

List of publications  
**Prof. Dr. Christoph Janiak**

[2018](#)      [2017](#)      [2016](#)      [2015-  
2011](#)      [2010-  
2006](#)      [2005-  
2001](#)      [2000-  
1996](#)      [1995-  
1991](#)      [1990-  
1984](#)

[patents](#)

[textbooks](#)

[h-Index](#)

<b>2018</b>	
	Z. Liu, M. Klotkowski, C. Janiak, F. Endres, Rapid synthesis of zeolitic imidazolate frameworks and zeolite-cellulose mixed matrix membranes in ionic liquids; <i>in preparation.</i>
	A. Zamora, E. Watcher, S. A. Pérez, G. Barone, M. Vera, D. Heidary, V. Rodríguez, V. Fernández-Espín, C. Janiak, E. C. Glazer, J. Ruiz, Novel Pseudo-Tetrahedral Antitumor Organoplatinum(II) “Light-Switch” Complexes Selectively Recognize Duplex AT rich DNA Sequences <i>in preparation.</i>
	S. Dey, A. Bhunia, P. Baran Pati, N. de Sousa Amadeu, C. Janiak, Amine-functionalization of covalent triazine-based frameworks (CTFs): from CO <sub>2</sub> storage to efficient light-driven hydrogen generation; <i>in preparation.</i>
	H. Wang, P. M. Eze, S.-P. Höfert, C. Janiak, R. Hartman, F. B.C. Okoye, C. O. Esimone, R. S. Orfali, H. Dai, Z. Liu, P. Proksch, Indole Alkaloids Produced by an Endophytic Fungus <i>Aspergillus aculeatus</i> using an OSMAC Approach; <i>RSC Adv.</i> , <i>submitted.</i>
	R. F. M. Elshaarawy, F. H. A. Mustafa, M. A.-E. Zein, C. Janiak, Facile preparation of neutral and ionic liquids-based aminothiazole Schiff bases as additives for synergistically enhanced antibacterial and antifouling coatings; <i>submitted.</i>
	K. Klauke, D. H. Zaitsau, M. Bülow, L. He, M. Klotkowski, T.-O. Knedel, J. Barthel, C. Held, S. P. Verevkin, C. Janiak, Thermodynamic properties of selenoether-functionalized ionic liquids and their use for the synthesis of zinc selenide nanoparticles; <i>submitted.</i>
	M. Saito, N. Matsunaga, J. Hamada, S. Furukawa, M. Minoura, S. Wegner, J. Barthel, C. Janiak, Heterobimetallic triple-decker complexes derived from an dianionic aromatic stannole ligand; <i>Chem. Commun.</i> <i>submitted.</i>
	J. Pracharova, G. Viguera, V. Novohradsky, N. Cutillas, C. Janiak, J. Kasparkova, J. Ruiz, V. Brabec, Exploring the Effect of the Polypyridyl Ligands on Anticancer Activity of Phosphorescent Iridium(III) Complexes: From Proteosynthesis Inhibitors to Photodynamic Therapy Agents; <i>Chem. Eur. J.</i> , <i>submitted</i>

	F. K. Merkt, S. P. Höwedes, C. F. Gers-Panther, I. Gruber, C. Janiak, T. J. J. Müller, Three-component Activation–Alkynylation–Cyclocondensation (AACC) Synthesis of Enhanced Emission Solvatochromic 3-Ethynyl Quinoxalines; <i>Chem. Eur. J.</i> , submitted.
	S. K. Dey, D. Dietrich, S. Wegner, B. Gil-Hernández, N. de Sousa Amadeu, C. Janiak, Palladium-immobilized porous polyurethane material for quick and efficient heterogeneous catalysis of Suzuki-Miyaura cross-coupling reaction at room temperature; <i>ChemistrySelect</i> <b>2018</b> , accepted.
	K. Klauke, I. Gruber, T.-O. Knedel, J. Barthel, H. Breitzke, G. Buntkowsky, C. Janiak, Selenoether-functionalized imidazolium salts and their silver, gold, palladium and platinum carbene complexes; <i>Organometallics</i> <b>2018</b> , accepted. <a href="http://dx.doi.org/10.1021/acs.organomet.7b00678">http://dx.doi.org/10.1021/acs.organomet.7b00678</a>
	J. Ying, A. Herbst, Y.-X. Xiao, H. Wei, G. Tian, Z. Li, X.-Y. Yang, B.-L. Su, C. Janiak, Nanocoating of Hydrophobic Mesoporous Silica around MIL-101Cr for Enhanced Catalytic Activity and Stability; <i>Inorg. Chem.</i> <b>2018</b> , accepted. <a href="http://dx.doi.org/10.1021/acs.inorgchem.7b01992">http://dx.doi.org/10.1021/acs.inorgchem.7b01992</a>
	R. Dalapati, Ü. Kökçam-Demir, C. Janiak, S. Biswas, Effect of Functional Groups in Aqueous-Phase Selective Sensing of Fe(III) Ions by Thienothiophene-Based Zirconium Metal-Organic Frameworks and Design of Molecular Logic Gates; <i>Dalton Trans.</i> <b>2018</b> , in press. <a href="http://dx.doi.org/10.1039/C7DT04130F">http://dx.doi.org/10.1039/C7DT04130F</a>
	S. Glomb, G. Makhloufi, I. Gruber, C. Janiak, Urea-based flexible dicarboxylate linkers for three-dimensional metal-organic frameworks; <i>Inorg. Chim. Acta</i> <b>2018</b> , in press. <a href="http://dx.doi.org/10.1016/j.ica.2017.09.029">http://dx.doi.org/10.1016/j.ica.2017.09.029</a>
434	S. Millan, G. Makhloufi, C. Janiak, Incorporating the Thiazolo[5,4-d]thiazole Unit into a Coordination Polymer with Interdigitated Structure; <i>Crystals</i> <b>2018</b> , 8 (1), 30. (article numbering; 13 pages) [pdf-file] <a href="http://dx.doi.org/10.3390/cryst8010030">http://dx.doi.org/10.3390/cryst8010030</a>
433	F. C. Özkaya, W. Ebrahim, M. Klopotoski, Z. Liu, C. Janiak, P. Proksch, Isolation and X-ray structure analysis of citreohybridonol from marine-derived <i>Penicillium atrovenetum</i> ; <i>Nat. Prod. Res.</i> <b>2018</b> , 32 (7), 840-843. [pdf-file] <a href="http://dx.doi.org/10.1080/14786419.2017.1311893">http://dx.doi.org/10.1080/14786419.2017.1311893</a> .
432	R. S. T. Kamdem, P. Wafo, A. Dawe, D. Ne Dort Nganteng, U. B. Ogechukwu, S. Rasheed, O. E. Ogechukwu, G. Makhloufi, Z. Ali, I. A. Khan, M. Iqbal Choudhary, C. Janiak, P. Proksch, Bioactive chemical constituents of <i>Duboscia macrocarpa</i> Bocq. and X-ray diffraction study of 11 $\beta$ ,12 $\beta$ -epoxyfriedours-14-en-3 $\alpha$ -ol; <i>Filoterapia</i> <b>2018</b> , 125, 65-71. [pdf-file] <a href="https://doi.org/10.1016/j.fitote.2017.12.015">https://doi.org/10.1016/j.fitote.2017.12.015</a>
431	R. S. T. Kamdem, H. Wang, P. Wafo, W. Ebrahim, F. Can Özkaya, G. Makhloufi, C. Janiak, P. Sureechatchaiyan, M. U. Kassack, W. Lin, Z. Liu, P. Proksch, Induction of new metabolites from the endophytic fungus <i>Bionectria</i> sp. through bacterial co-culture; <i>Fitoterapia</i> <b>2018</b> , 124, 132-136. [pdf-file] <a href="http://dx.doi.org/10.1016/j.fitote.2017.10.021">http://dx.doi.org/10.1016/j.fitote.2017.10.021</a>
430	T. Zhao, L. Yang, P. Feng, I. Gruber, C. Janiak, Y.-J. Liu, Facile synthesis of nano-sized MIL-101(Cr) with the addition of acetic acid;

	<i>Inorg. Chim. Acta</i> <b>2018</b> , 471, 440-445. [ <a href="#">pdf-file</a> ] <a href="https://doi.org/10.1016/j.ica.2017.11.030">https://doi.org/10.1016/j.ica.2017.11.030</a>
429	J. Ying, C. Janiak, Y.-X. Xiao, H. Wei, X.-Y. Yang, B.-L. Su, Shape-controlled surface-coating to Pd@mesoporous silica core-shell nanocatalysts with high catalytic activity and stability; <i>Chem. Asian J.</i> <b>2018</b> , 13 (1), 31-34. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/asia.201701452">http://dx.doi.org/10.1002/asia.201701452</a>
<b>2017</b>	
428	M. Sack-Zschauer, E. Karaman-Aplak, C. Wyrich, S. Das, T. Schubert, H. Meyer, C. Janiak, S. Seal, W. Stahl, P. Brenneisen, Efficacy of different compositions of cerium oxide nanoparticles in tumor stroma interaction; <i>J. Biomed. Nanotechnology</i> <b>2017</b> , 13 (12), 1735-1746 [ <a href="#">pdf-file</a> ]. <a href="http://dx.doi.org/10.1166/jbn.2017.2452">http://dx.doi.org/10.1166/jbn.2017.2452</a> ISSN: 1550-7033 (IF 4.521)
427	A. Schmitz, K. Schütte, V. Ilievski, J. Barthel, L. Burk, R. Mülhaupt, J. Yue, B. Smarsly, C. Janiak, Synthesis of metal-fluoride nanoparticles supported on thermally reduced graphite oxide; <i>Beilstein J. Nanotechnol.</i> <b>2017</b> , 8, 2474-2483. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.3762/bjnano.8.247">http://dx.doi.org/10.3762/bjnano.8.247</a>
426	T. Zhao, I. Boldog, C. Janiak, Y.-J. Liu, Effect of Metal-Organic Frameworks on the Spin-Transition Behavior of [Fe(HB(pz) <sub>3</sub> ) <sub>2</sub> ]; <i>Chin. J. Inorg. Chem.</i> <b>2017</b> , 33 (8), 1330-1338. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.11862/CJIC.2017.178">http://dx.doi.org/10.11862/CJIC.2017.178</a>
425	S. Glomb, D. Woschko, G. Makhloufi, C. Janiak, Metal-Organic Frameworks with Internal Urea-Functionalized Dicarboxylate Linkers for SO <sub>2</sub> and NH <sub>3</sub> Adsorption; <i>ACS Appl. Mater. Interfaces</i> <b>2017</b> , 9 (42), 37419-37434. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/acsami.7b10884">http://dx.doi.org/10.1021/acsami.7b10884</a>
424	S. S. Mondal, M. Hovestadt, S. Dey, C. Paula, S. Glomb, A. Kelling, U. Schilde, C. Janiak, M. Hartmann, H.-J. Holdt, Synthesis of a partially fluorinated ZIF-8 analog for ethane/ethene separation; <i>CrystEngComm</i> <b>2017</b> , 19 (39), 5882-5891. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C7CE01438D">http://dx.doi.org/10.1039/C7CE01438D</a>
423	R. Thoma, J. Kärger, N. de Sousa Amadeu, S. Nießing, C. Janiak, Assessing Guest Molecule Diffusion in Heterogeneous Powder Samples of Metal-Organic Frameworks through PFG-NMR; <i>Chem. Eur. J.</i> <b>2017</b> , 23 (53), 13000-13005. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.201702586">http://dx.doi.org/10.1002/chem.201702586</a>
422	J. Dechnik, C. J. Sumby, C. Janiak, Enhancing Mixed-Matrix Membrane Performance with Metal-Organic Framework Additives; <i>Cryst. Growth Des.</i> <b>2017</b> , 17 (8), 4467-4488. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/acs.cgd.7b00595">http://dx.doi.org/10.1021/acs.cgd.7b00595</a>
421	J. Dechnik, A. Nuhnen, C. Janiak, Mixed-matrix membranes of the air-stable MOF-5 analog [Co <sub>4</sub> (μ <sub>4</sub> -O)(Me <sub>2</sub> pzba) <sub>3</sub> ] with mixed-functional pyrazolate-carboxylate linker for CO <sub>2</sub> /CH <sub>4</sub> separation; <i>Cryst. Growth Des.</i> <b>2017</b> , 17 (8), 4090-4099. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/acs.cgd.7b00202">http://dx.doi.org/10.1021/acs.cgd.7b00202</a>
420	H. Kummer, F. Jeremias, A. Warlo, G. Fuldner, D. Fröhlich, C. Janiak, R. Gläser, S. K. Henninger, A functional full-scale heat exchanger coated with aluminum fumarate metal-organic framework for adsorption heat transformation; <i>Ind. Eng. Chem. Res.</i> <b>2017</b> , 56 (29), 8393-8398. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/acs.iecr.7b00106">http://dx.doi.org/10.1021/acs.iecr.7b00106</a>
419	S. Gökpınar, T. Diment, C. Janiak, Environmentally benign dry-gel conversions of Zr-based UiO metal-organic frameworks with high yield and possibility of solvent re-use; <i>Dalton Trans.</i> <b>2017</b> , 46 (30), 9895-9900. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C7DT01717K">http://dx.doi.org/10.1039/C7DT01717K</a>

418	L. Bensch, I. Gruber, C. Janiak, T. J. J. Müller, 5-(Hetero)aryl-Substituted 9-Hydroxyphenalenones: Synthesis and Electronic Properties of Multifunctional Donor-Acceptor Conjugates; <i>Chem. Eur. J.</i> <b>2017</b> , <i>23</i> (44), 10551-10558. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.201700553">http://dx.doi.org/10.1002/chem.201700553</a>
417	A. Herbst, C. Janiak, MOF catalysts in biomass upgrading towards value-added fine chemicals; <i>CrystEngComm</i> <b>2017</b> , <i>19</i> (29), 4092-4117. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6CE01782G">http://dx.doi.org/10.1039/C6CE01782G</a>
416	J. Dechnik, J. Gascon, C. J. Doonan, C. Janiak, C. J. Sumbly, Mixed-Matrix Membranes; <i>Angew. Chem. Int. Ed.</i> <b>2017</b> , <i>56</i> (32), 9292-9310. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/anie.201701109">http://dx.doi.org/10.1002/anie.201701109</a> Mixed-Matrix Membranen; <i>Angew. Chem.</i> <b>2017</b> , <i>129</i> (32), 9420-9439. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ange.201701109">http://dx.doi.org/10.1002/ange.201701109</a>
415	H. M. A. Hassan, R. F. M. Elshaarawy, S. Kumar Dey, I. Simon, C. Janiak, Microwave-assisted hydrothermal fabrication of magnetic amino-grafted graphene oxide nanocomposite as a heterogeneous Knoevenagel catalyst; <i>Catalysis Lett.</i> <b>2017</b> , <i>147</i> (8), 1998-2005. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1007/s10562-017-2120-7">http://dx.doi.org/10.1007/s10562-017-2120-7</a>
414	B. Francis, B. Neuhaus, M. L. Reddy, M. Epple, C. Janiak, Amine-functionalized silica nanoparticles incorporating covalently linked visible-light excitable Eu <sup>3+</sup> -complexes: Synthesis, characterization and cell uptake studies; <i>Eur. J. Inorg. Chem.</i> <b>2017</b> (25), 3205-3213. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ejic.201700240">http://dx.doi.org/10.1002/ejic.201700240</a>
413	R. F. M. Elshaarawy, R. Ali, S. M. Saleh, C. Janiak, A novel water-soluble highly selective “switch-on” ionic liquid-based fluorescent chemi-sensor for Ca(II); <i>J. Molec. Liq.</i> <b>2017</b> , <i>241</i> , 308-315. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.molliq.2017.06.016">http://dx.doi.org/10.1016/j.molliq.2017.06.016</a>
412	S. Wegner, C. Janiak, Metal Nanoparticles in Ionic Liquids; <i>Topics in Current Chemistry</i> <b>2017</b> , <i>375</i> , 65 (32 pages). [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1007/s41061-017-0148-1">http://dx.doi.org/10.1007/s41061-017-0148-1</a> <i>This article is part of the Topical Collection ‘Ionic Liquids II’; edited by Barbara Kirchner, Eva Perlt.</i> ISSN: 2365-0869 (Print) 2364-8961 (Online)
411	R. F. M. Elshaarawy, F. H. A. Mustafa, L. van Geelen, A. E. A. Abou-Taleb, H. R. Z. Tadros, R. Kalscheuer, C. Janiak, Mining marine shell wastes for polyelectrolyte chitosan anti-biofoulants: Fabrication of high-performance economic and ecofriendly anti-biofouling coatings; <i>Carbohydrate Polym.</i> <b>2017</b> , <i>172</i> , 352-364. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.carbpol.2017.05.059">http://dx.doi.org/10.1016/j.carbpol.2017.05.059</a>
410	M. Enamullah, A.-C. Chamayou, K. S. Banu, A. C. Kautz, C. Janiak, Copper(II)-salicylaldehyde/-methoxy(pyridine-2-yl)methanolate complexes <i>via</i> in-situ hydrolysis of Schiff bases; <i>Inorg. Chim. Acta</i> <b>2017</b> , <i>464</i> , 186-194. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2017.05.001">http://dx.doi.org/10.1016/j.ica.2017.05.001</a>
409	N. Amadeu, E. Bálint, W. Boenigk, Á. Tajti, G. Hägele, C. Janiak, G. Keglevich, NMR and symmetry in bisphosphonates R <sup>1</sup> R <sup>2</sup> N-CH[P(O)(OMe) <sub>2</sub> ] <sub>2</sub> , <i>Phosphorus, Sulfur, and Silicon and the Related Elements</i> <b>2017</b> , <i>192</i> (6), 643-650. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1080/10426507.2017.1295966">http://dx.doi.org/10.1080/10426507.2017.1295966</a>
408	S. Wegner, C. Rutz, K. Schütte, J. Barthel, A. Bushmelev, A. Schmidt, K. Dilchert, R. A. Fischer, C. Janiak, Soft wet-chemical synthesis of metastable superparamagnetic hexagonal close-packed nickel nanoparticles in different ionic liquids; <i>Chem. Eur. J.</i> <b>2017</b> , <i>23</i> (26), 6330-6340. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.201605251">http://dx.doi.org/10.1002/chem.201605251</a>
407	A. Zamora, S. A. Pérez, M. Rothemund, V. Rodríguez, R. Schobert, C. Janiak, J. Ruiz,

	Exploring the Influence of the Aromaticity on the Anticancer and Antivasular Activities of Organoplatinum(II) Complexes; <i>Chem. Eur. J.</i> <b>2017</b> , <i>23</i> (23), 5614-5625. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.201700717">http://dx.doi.org/10.1002/chem.201700717</a>
406	S. S. Mondal, S. Dey, A. G. Attallah, R. Krause-Rehberg, C. Janiak, H.-J. Holdt, Insights into the pores of the microwave-assisted metal-imidazolate frameworks showing enhanced gas sorption; <i>Dalton Trans.</i> <b>2017</b> , <i>46</i> (14), 4824-4833 [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C7DT00350A">http://dx.doi.org/10.1039/C7DT00350A</a>
405	H. Wang, B. O. Umeokoli, P. Eze, C. Heering, C. Janiak, W. E. G. Müller, R. S. Orfali, R. Hartmann, H. Dai, W. Lin, Z. Liu, P. Proksch, Secondary metabolites of the lichen-associated fungus <i>Apiospora montagnei</i> ; <i>Tetrahedron Lett.</i> <b>2017</b> , <i>58</i> (17), 1702-1705. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.tetlet.2017.03.052">http://dx.doi.org/10.1016/j.tetlet.2017.03.052</a>
404	A. Perea-Cachero, J. Dechnik, R. Lahoz, C. Janiak, C. Téllez, J. Coronas, HKUST-1 coatings on laser microperforated brass supports for water adsorption; <i>CrystEngComm</i> <b>2017</b> , <i>19</i> (11), 1470-1478. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6CE02490D">http://dx.doi.org/10.1039/C6CE02490D</a>
403	V. Krieger, E. Ciglia, R. Thoma, V. Vasylyeva, B. Frieg, N. de Sousa Amadeu, T. Kurz, C. Janiak, H. Gohlke, F. K. Hansen, $\alpha$ -Aminoxy Peptoids: A Unique Peptoid Backbone with a Preference for <i>cis</i> -Amide Bonds; <i>Chem. Eur. J.</i> <b>2017</b> , <i>23</i> (15), 3699-3707. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.201605100">http://dx.doi.org/10.1002/chem.201605100</a>
402	S. Nießing, C. Czekelius, C. Janiak, Immobilisation of catalytically active proline on H <sub>2</sub> N-MIL-101(Al) accompanied with reversal in enantioselectivity; <i>Catalysis Commun.</i> <b>2017</b> , <i>95</i> , 12-15. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.catcom.2017.02.027">http://dx.doi.org/10.1016/j.catcom.2017.02.027</a>
401	G. Makhloufi, B. Francis, J. Dechnik, A. Strzelczyk, C. Janiak, Hydrophilic microporous lanthanide-organic frameworks based on 4,4'-biphenyldiacetate: Synthesis, crystal structures and sorption properties; <i>Polyhedron</i> <b>2017</b> , <i>127</i> , 59-67. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.poly.2017.01.038">http://dx.doi.org/10.1016/j.poly.2017.01.038</a>
400	S. Dey, A. Bhunia, H. Breitzke, P. B. Groszewicz, G. Buntkowsky, C. Janiak, Two linkers are better than one: enhancing CO <sub>2</sub> capture and separation with porous covalent triazine-based frameworks from mixed nitrile linkers; <i>J. Mater. Chem. A</i> <b>2017</b> , <i>5</i> (7), 3609–3620. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6TA07076K">http://dx.doi.org/10.1039/C6TA07076K</a>
399	K. Schütte, J. Barthel, M. Endres, M. Siebels, B. Smarsly, J. Yue, C. Janiak, Synthesis of metal nanoparticles and metal fluoride nanoparticles from metal amidinate precursors in 1-butyl-3-methylimidazolium ionic liquids and propylene carbonate; <i>ChemistryOpen</i> <b>2017</b> , <i>6</i> (1), 137-148. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/open.201600105">http://dx.doi.org/10.1002/open.201600105</a> Corrigendum; <i>ChemistryOpen</i> <b>2017</b> , <i>6</i> , 681.
398	T. Zhao, C. Heering, I. Boldog, K. V. Domasevitch, C. Janiak, A view on systematic truncation of tetrahedral ligands for coordination polymers; <i>CrystEngComm</i> <b>2017</b> , <i>19</i> (5), 776-780. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6CE02384C">http://dx.doi.org/10.1039/C6CE02384C</a>
397	S. Dey, A. Bhunia, I. Boldog, C. Janiak, A mixed-linker approach towards improving covalent triazine-based frameworks for CO <sub>2</sub> capture and separation; <i>Micropor. Mesopor. Mater.</i> <b>2017</b> , <i>241</i> , 303-315. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.micromeso.2016.11.033">http://dx.doi.org/10.1016/j.micromeso.2016.11.033</a>
396	C. Rutz, L. Schmolke, V. Gvilava, C. Janiak, Anion analysis of ionic liquids and ionic liquid purity assessment by ion chromatography; <i>Z. Anorg. Allg. Chem.</i> <b>2017</b> , <i>643</i> (1), 130-135. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.201600437">http://dx.doi.org/10.1002/zaac.201600437</a>
395	R. Marcos Esteban, C. Janiak, Synthesis and application of metal nanoparticle catalysts in ionic liquid media using metal carbonyl

	complexes as precursors, in <i>Nanocatalysis in Ionic Liquids</i> (M. Precht, Ed.), chapter 8, pp. 147-169, copyright 2017 Wiley-VCH, Weinheim. Published Online: 7 OCT 2016, Print ISBN: 9783527339105, Online ISBN: 9783527693283. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/9783527693283">http://dx.doi.org/10.1002/9783527693283</a>
394	S. Liu, H. Dai, C. Heering, C. Janiak, W. Lin, Z. Liu, P. Proksch, Inducing new secondary metabolites through co-cultivation of the fungus <i>Pestalotiopsis sp.</i> with the bacterium <i>Bacillus subtilis</i> ; <i>Tetrahedron Lett.</i> <b>2017</b> , 58 (3), 257-261. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.tetlet.2016.12.026">http://dx.doi.org/10.1016/j.tetlet.2016.12.026</a>
393	I. Voda, G. Makhloufi, V. Lozan, S. Shova, C. Heering, C. Janiak, Mixed-ligand cobalt, nickel and zinc coordination polymers based on flexible 1,4-bis((1H-imidazol-1-yl)methyl)benzene and rigid carboxylate linkers; <i>Inorg. Chim. Acta</i> <b>2017</b> , 455, 118-131. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.ica.2016.10.007">http://dx.doi.org/10.1016/j.ica.2016.10.007</a>
<b>2016</b>	
392	J. Yellol, S. A. Pérez, G. Yellol, J. Zajac, A. Donaire, G. Vigueras, V. Novohradský, C. Janiak, V. Brabec, J. Ruiz, Highly potent extranuclear-targeted luminescent iridium(III) antitumor agents containing benzimidazole-based ligands with a handle for functionalizations; <i>Chem. Commun.</i> <b>2016</b> , 52, 14165-14168. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C6CC07909A">http://dx.doi.org/10.1039/C6CC07909A</a>
391	S. S. Mondal, S. Dey, A. G. Attallah, A. Bhunia, A. Kelling, U. Schilde, R. Krause-Rehberg, C. Janiak, H.-J. Holdt, Missing Building Blocks Defects in a Porous Hydrogen-bonded Amide-Imidazolate Network Proven by Positron Annihilation Lifetime Spectroscopy; <i>ChemistrySelect</i> <b>2016</b> , 1, 4320-4325. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/slct.201601205">http://dx.doi.org/10.1002/slct.201601205</a>
390	A. C. Kautz, P. C. Kunz, C. Janiak, CO-releasing molecule (CORM) conjugate systems; <i>Dalton Trans.</i> <b>2016</b> , 45, 18045-18063. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C6DT03515A">http://dx.doi.org/10.1039/C6DT03515A</a>
389	R. F. M. Elshaarawy, C. Janiak, Antibacterial susceptibility of new copper(II) N-pyruvoyl anthranilate complexes against marine bacterial strains - in search of new antibiofouling candidate; <i>Arabian J. Chem.</i> <b>2016</b> , 9, 825-834. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.arabjc.2015.04.010">http://dx.doi.org/10.1016/j.arabjc.2015.04.010</a>
388	S. Wegner, M. Saito, J. Barthel, C. Janiak, Soft wet-chemical synthesis of Ru-Sn nanoparticles from single-source ruthenocene-stannole precursors in an ionic liquid; <i>J. Organomet. Chem.</i> <b>2016</b> , 821, 192-196. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.jorganchem.2016.05.010">http://dx.doi.org/10.1016/j.jorganchem.2016.05.010</a>
387	R. Dalapati, B. Sakthivel, A. Dhakshinamoorthy, A. Buragohain, A. Bhunia, C. Janiak, S. Biswas, A highly stable dimethyl-functionalized Ce(IV)-based UiO-66 metal-organic framework material for gas sorption and redox catalysis; <i>CrystEngComm</i> <b>2016</b> , 18, 7855-7864. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C6CE01704E">http://dx.doi.org/10.1039/C6CE01704E</a>
386	S. Liu, H. Dai, G. Makhloufi, C. Heering, C. Janiak, R. Hartmann, A. Mándi, T. Kurtán, W. E. G. Müller, M. U. Kassack, W. Lin, Z. Liu, P. Proksch, Cytotoxic 14-Membered Macrolides from a Mangrove-Derived Endophytic Fungus <i>Pestalotiopsis microspora</i> ; <i>J. Natural Prod.</i> <b>2016</b> , 79, 2332-2340. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1021/acs.jnatprod.6b00473">http://dx.doi.org/10.1021/acs.jnatprod.6b00473</a>
385	H. B. Tanh Jeazet, S. Sorribas, J. M. Román-Marin, B. Zornoza, C. Téllez, J. Coronas, C. Janiak, Increased Selectivity in CO <sub>2</sub> /CH <sub>4</sub> Separation with Mixed-Matrix Membranes of Polysulfone and Mixed-MOFs MIL-101(Cr) and ZIF-8;

	<i>Eur. J. Inorg. Chem.</i> <b>2016</b> , 4363-4367. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ejic.201600190">http://dx.doi.org/10.1002/ejic.201600190</a>
384	J. Dechnik, F. Mühlbach, D. Dietrich, T. Wehner, M. Gutmann, T. Lühmann, L. Meinel, C. Janiak, K. Müller-Buschbaum, Luminescent Metal-Organic Framework Mixed-Matrix Membranes from Lanthanide Metal-Organic Frameworks in Polysulfone and Matrimid; <i>Eur. J. Inorg. Chem.</i> <b>2016</b> , 4408-4415. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ejic.201600235">http://dx.doi.org/10.1002/ejic.201600235</a>
383	H. Wang, H. Dai, C. Heering, C. Janiak, W. Lin, R. S. Orfali, W. E. G. Müller, Z. Liu, P. Proksch, Targeted solid phase fermentation of the soil dwelling fungus <i>Gymnascella dankaliensis</i> yields new brominated tyrosine-derived alkaloids; <i>RSC Adv.</i> <b>2016</b> , 6, 81685-81693. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6RA14554J">http://dx.doi.org/10.1039/C6RA14554J</a>
382	A. Bhunia, D. Esquivel, S. Dey, R. Fernández-Terán, Y. Goto, S. Inagaki, P. Van Der Voort, C. Janiak, A photoluminescent covalent triazine framework: CO <sub>2</sub> adsorption, light-driven hydrogen evolution and sensing of nitroaromatics; <i>J. Mater. Chem. A</i> <b>2016</b> , 4, 13450-13457. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c6ta04623a">http://dx.doi.org/10.1039/c6ta04623a</a>
381	A. Herbst, C. Janiak, Selective glucose conversion to 5-hydroxymethylfurfural (5-HMF) instead of levulinic acid with MIL-101Cr MOF-derivatives; <i>New J. Chem.</i> <b>2016</b> , 40, 7958-7967. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6NJ01399F">http://dx.doi.org/10.1039/C6NJ01399F</a>
380	T. Zhao, I. Boldog, V. Spasojevic, A. Rotaru, Y. Garcia, C. Janiak, Solvent-triggered relaxative spin state switching of [Fe(HB(pz) <sub>3</sub> ) <sub>2</sub> ] in closed nano-confinement of NH <sub>2</sub> -MIL-101(Al); <i>J. Mater. Chem. C</i> <b>2016</b> , 4, 6588-6601. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c6tc01297c">http://dx.doi.org/10.1039/c6tc01297c</a>
379	A. Tahli, R. F. M. Elshaarawy, Ü. Köc, A. C. Kautz, C. Janiak, A HKUST-1 MOF inclusion compound with in-situ reduced copper(I) as [Cu(NCCH <sub>3</sub> ) <sub>4</sub> ] <sup>+</sup> cation complex in the octahedral A-type pore; <i>Polyhedron</i> <b>2016</b> , 117, 579-584. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.poly.2016.06.039">http://dx.doi.org/10.1016/j.poly.2016.06.039</a>
378	D. Fröhlich, E. Pantatosaki, P. D. Kolokathis, K. Markey, H. Reinsch, M. Baumgartner, M. A. van der Veen, D. E. De Vos, N. Stock, G. K. Papadopoulos, S. K. Henninger, C. Janiak, Water adsorption behaviour of CAU-10-H: A thorough investigation of its structure-property relationships; <i>J. Mater. Chem. A</i> <b>2016</b> , 4, 11859-11869. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6TA01757F">http://dx.doi.org/10.1039/C6TA01757F</a>
377	M. Enamullah, G. Makhloufi, R. Ahmed, B. Alif Joy, M. A. Islam, D. Padula, H. Hunter, G. Pescitelli, C. Janiak, Synthesis, X-ray, and Spectroscopic Study of Dissymmetric Tetrahedral Zinc(II) Complexes from Chiral Schiff Base Naphthaldiminate Ligands with Apparent Exception to the ECD Exciton Chirality; <i>Inorg. Chem.</i> <b>2016</b> , 55, 6449-6464. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/acs.inorgchem.6b00403">http://dx.doi.org/10.1021/acs.inorgchem.6b00403</a>
376	C. Heering, B. Francis, B. Nateghi, G. Makhloufi, S. Lüdeke, C. Janiak, Syntheses, structures and properties of group 12 element (Zn, Cd, Hg) coordination polymers with a mixed-functional phosphonate-biphenyl-carboxylate linker; <i>CrystEngComm</i> <b>2016</b> , 18, 5209-5223. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6CE00587J">http://dx.doi.org/10.1039/C6CE00587J</a>
375	J. Ying, Z.-Y. Hu, X.-Y. Yang, H. Wei, Y.-X. Xiao, C. Janiak, S.-C. Mu, G. Tian, M. Pan, G. Van Tendeloo, B.-L. Su, High viscosity to highly dispersed PtPd bimetallic nanocrystals for enhanced catalytic activity and stability; <i>Chem. Commun.</i> <b>2016</b> , 52, 8219-8222. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6CC00912C">http://dx.doi.org/10.1039/C6CC00912C</a>
374	Y. Zeng, H. Wang, R. S. T. Kamdem, R. S. Orfali, H. Dai, G. Makhloufi, C. Janiak, Z. Liu, P. Proksch, A new cyclohexapeptide, penitropeptide and a new polyketide, penitropone from the endophytic fungus <i>Penicillium tropicum</i> ;

	<i>Tetrahedron Lett</i> <b>2016</b> , 57, 2998-3001. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.tetlet.2016.05.095">http://dx.doi.org/10.1016/j.tetlet.2016.05.095</a>
373	M. Enamullah, M. A. Islam, C. Janiak, Rh{(η <sup>4</sup> -cod) or (PPh <sub>3</sub> ) <sub>2</sub> }-Schiff base complexes with a Z' = 2 structure: Syntheses, spectroscopy, thermal analyses and DFT/TDDFT; <i>J. Mol. Struct.</i> <b>2016</b> , 1122, 331-340. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.molstruc.2016.05.093">http://dx.doi.org/10.1016/j.molstruc.2016.05.093</a>
372	S. K. Dey, N. de Sousa Amadeu, C. Janiak Microporous polyurethane material for size selective heterogeneous catalysis of the Knoevenagel reaction; <i>Chem. Commun.</i> <b>2016</b> , 52, 7834-7837. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6CC02578A">http://dx.doi.org/10.1039/C6CC02578A</a>
371	A. Tahli, A.-C. Chamayou, Ü. Köc, R. Brückner, R. F. M. Elshaarawy, C. Heering, C. Janiak, Homochiral zinc benzene-1,3,5-tricarboxylate coordination networks with a chiral nitrogen ligand or template: Spontaneous resolution of a twofold interpenetrated 2D sql (4,4) network and formation of enantiopure 3D sra (SrAl <sub>2</sub> ) networks; <i>Inorg. Chim. Acta</i> <b>2016</b> , 450, 190-201. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2016.05.042">http://dx.doi.org/10.1016/j.ica.2016.05.042</a>
370	S. S. Mondal, A. Bhunia, A. G. Attallah, P. R. Matthes, A. Kelling, U. Schilde, K. Müller-Buschbaum, R. Krause-Rehberg, C. Janiak, H.-J. Holdt, Study of the Discrepancies between Crystallographic Porosity and Guest Access into Cadmium-Imidazolate Framework and Tunable Luminescent Properties by Incorporation of Lanthanides; <i>Chem. Eur. J.</i> <b>2016</b> , 22, 6905-6913. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.201504757">http://dx.doi.org/10.1002/chem.201504757</a>
369	F. Jeremias, S. K. Henninger, C. Janiak, Ambient pressure synthesis of MIL-100(Fe) MOF from homogeneous solution using a redox pathway; <i>Dalton Trans.</i> <b>2016</b> , 45, 8637-8644. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6DT01179A">http://dx.doi.org/10.1039/C6DT01179A</a>
368	D. Sandrin, D. Wagner, C. E. Sitta, R. Thoma, S. Felekyan, H. E. Hermes, C. Janiak, N. de Sousa Amadeu, R. Kühnemuth, H. Löwen, S. U. Egelhaaf, C. A. M. Seidel, Diffusion of macromolecules in a polymer hydrogel: from microscopic to macroscopic scales; <i>Phys. Chem. Chem. Phys.</i> <b>2016</b> , 18, 12860-12876. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5CP07781H">http://dx.doi.org/10.1039/C5CP07781H</a>
367	R. Marcos Esteban, H. Meyer, J. Kim, C. Gemel, R. A. Fischer, C. Janiak, Comparative synthesis of Cu and Cu <sub>2</sub> O nanoparticles from different copper precursors in ionic liquid and propylene carbonate; <i>Eur. J. Inorg. Chem.</i> <b>2016</b> , 2106-2113. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ejic.201500969">http://dx.doi.org/10.1002/ejic.201500969</a>
366	H. Meyer, M. Brenner, S.-P. Höfert, T.-O. Knedel, P. C. Kunz, A. M. Schmidt, A. Hamacher, M. U. Kassack, C. Janiak, Synthesis of oxime-based CO-releasing molecules, CORMs and their immobilization on maghemite nanoparticles for magnetic-field induced CO release; <i>Dalton Trans.</i> <b>2016</b> , 45, 7605-7615. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5DT04888E">http://dx.doi.org/10.1039/C5DT04888E</a>
365	S. Dey, A. Bhunia, D. Esquivel, C. Janiak, Covalent triazine-based frameworks (CTFs) from triptycene and fluorene motif for CO <sub>2</sub> adsorption; <i>J. Mater. Chem. A</i> <b>2016</b> , 4, 6259-6263. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6TA00638H">http://dx.doi.org/10.1039/C6TA00638H</a>
364	S. S. Mondal, D. Marquardt, C. Janiak, H.-J. Holdt, Use of 4,5-dicyanoimidazolate anion based ionic liquid for the synthesis of iron and silver nanoparticles; <i>Dalton Trans.</i> <b>2016</b> , 45, 5476-5483. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C6DT00225K">http://dx.doi.org/10.1039/C6DT00225K</a>
363	A. Tahli, Ü. Köc, R. F. M. Elshaarawy, A. C. Kautz, C. Janiak, A cadmium anionic 1D coordination polymer {[Cd(H <sub>2</sub> O) <sub>6</sub> ][Cd <sub>2</sub> (atr) <sub>2</sub> (μ <sub>2</sub> -btc) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> ] 2H <sub>2</sub> O} <sub>n</sub> within a 3D supramolecular charge-assisted hydrogen-bonded and π-stacking network; <i>Crystals</i> <b>2016</b> , 6, 23. (10 pages; from the first issue of 2016, MDPI journals use article numbers instead of page numbers.) [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.3390/cryst6030023">http://dx.doi.org/10.3390/cryst6030023</a>
362	C. Heering, B. Nateghi, C. Janiak



	Charge-assisted hydrogen-bonded networks of $\text{NH}_4^+$ and $[\text{Co}(\text{NH}_3)_6]^{3+}$ with the new linker anion of 4-phosphono-biphenyl-4'-carboxylic acid; <i>Crystals</i> <b>2016</b> , 6, 22. (14 pages; from the first issue of 2016, MDPI journals use article numbers instead of page numbers.) [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.3390/cryst6030022">http://dx.doi.org/10.3390/cryst6030022</a>
361	R. F. M. Elshaarawy, F. H. A. Mustafa, A. Herbst, A. E. M. Faraq, C. Janiak Surface functionalization of chitosan isolated from shrimp shells, using salicylaldehyde ionic liquids in exploration for novel economic and ecofriendly antibiofoulants <i>RSC Adv.</i> <b>2016</b> , 6, 20901-20915. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5RA27489C">http://dx.doi.org/10.1039/C5RA27489C</a>
360	A. Bhunia, S. Dey, J. M. Moreno, U. Diaz, P. Concepcion, K. Van Hecke, C. Janiak, P. Van Der Voort, A homochiral vanadium-salen-cadmium bpdc MOF with permanent porosity as asymmetric catalyst in solvent-free cyanosilylation; <i>Chem. Commun.</i> <b>2016</b> , 52, 1401-1404. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5CC09459C">http://dx.doi.org/10.1039/C5CC09459C</a>
359	M. Börgardts, K. Verlinden, M. Neidhardt, T. Wöhrle, A. Herbst, S. Laschat, C. Janiak, T. J. J. Müller, Synthesis and optical properties of covalently bound Nile Red in mesoporous silica hybrids; <i>RSC Adv.</i> <b>2016</b> , 6, 6209–6222. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5RA22736D">http://dx.doi.org/10.1039/C5RA22736D</a>
358	M. Enamullah, M. Abdul Quddus, M. Rezabul Hasan, G. Pescitelli, R. Berardozi, G. Makhloufi, V. Vasylyeva, C. Janiak, Chirality at metal and helical ligand folding in optical isomers of chiral bis(naphthalidinato)nickel(II) complexes; <i>Dalton Trans.</i> <b>2016</b> , 45, 667-680. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5DT03940A">http://dx.doi.org/10.1039/C5DT03940A</a>
357	S. Karmakar, J. Dechnik, C. Janiak, S. De, Aluminium fumarate metal-organic framework: A super adsorbent for fluoride from water; <i>J. Hazardous Mater.</i> <b>2016</b> , 303, 10-20. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.jhazmat.2015.10.030">http://dx.doi.org/10.1016/j.jhazmat.2015.10.030</a>
356	M. Wickenheisser, T. Paul, C. Janiak, Prospects of monolithic MIL-MOF@poly(NIPAM)HIPE composites as water sorption materials; <i>Micropor. Mesopor. Mater.</i> <b>2016</b> , 220, 258-269. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.micromeso.2015.09.008">http://dx.doi.org/10.1016/j.micromeso.2015.09.008</a>
<b>2015</b>	
355	H. Meyer, F. Winkler, P. Kunz, A. M. Schmidt, A. Hamacher, M. U. Kassack, C. Janiak, Stabilizing alginate confinement and polymer-coating of CO-releasing molecules supported on iron oxide nanoparticles to trigger the CO release by magnetic heating; <i>Inorg. Chem.</i> <b>2015</b> , 54, 11236–11246. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/acs.inorgchem.5b01675">http://dx.doi.org/10.1021/acs.inorgchem.5b01675</a>
354	A. Azhdari Tehrani, H. Ghasempour, A. Morsali, G. Makhloufi, C. Janiak, Effects of Extending the $\pi$ -Electron System of Pillaring Linkers on Fluorescence Sensing of Aromatic Compounds in Two Isorecticular Metal-Organic Frameworks; <i>Cryst. Growth Des.</i> <b>2015</b> , 15, 5543-5547. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/acs.cgd.5b01175">http://dx.doi.org/10.1021/acs.cgd.5b01175</a>
353	E. Riedel, C. Janiak, <i>Anorganische Chemie</i> , 9. Auflage, Walter de Gruyter, Berlin (ISBN 978-3-11-035526-0) <b>2015</b> . [ <a href="#">pdf-file</a> ]
352	B. Francis, C. Heering, R. O. Freire, M. L. P. Reddy, C. Janiak, Achieving visible light excitation in carbazole-based $\text{Eu}^{3+}$ - $\beta$ -diketonate complexes via molecular engineering; <i>RSC Advances</i> <b>2015</b> , 5, 90720-90730. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c5ra18819a">http://dx.doi.org/10.1039/c5ra18819a</a>
351	J. Yellol, S. A. Pérez, A. Buceta, G. Yellol, A. Donaire, P. Szumlas, P. J. Bednarski, G. Makhloufi, C. Janiak, A. Espinosa, J. Ruiz, Novel C,N-cyclometalated Benzimidazole Ruthenium(II) and Iridium(III) Complexes as Antitumor and

	Antiangiogenic Agents: A Structure-Activity Relationship Study; <i>J. Med. Chem.</i> <b>2015</b> , 58, 7310-7327. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/acs.jmedchem.5b01194">http://dx.doi.org/10.1021/acs.jmedchem.5b01194</a>
350	R. Marcos Esteban, K. Schütte, D. Marquardt, J. Barthel, F. Beckert, R. Mülhaupt, C. Janiak, Synthesis of ruthenium@graphene nanomaterials in propylene carbonate as re-usable catalysts for the solvent-free hydrogenation of benzene; <i>Nano-Structures &amp; Nano-Objects</i> <b>2015</b> , 2, 28-34. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.nanoso.2015.07.002">http://dx.doi.org/10.1016/j.nanoso.2015.07.002</a>
349	T. Zhao, F. Jeremias, I. Boldog, B. Nguyen, S. K. Henninger, C. Janiak, High-yield, fluoride-free and large-scale synthesis of MIL-101(Cr); <i>Dalton Trans.</i> <b>2015</b> , 44, 16791-16801. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5DT02625C">http://dx.doi.org/10.1039/C5DT02625C</a>
348	R. Marcos Esteban, K. Schütte, P. Brandt, D. Marquardt, H. Meyer, F. Beckert, R. Mülhaupt, H. Kölling, C. Janiak, Iridium@graphene composite nanomaterials synthesized in ionic liquid as re-usable catalysts for solvent-free hydrogenation of benzene and cyclohexene; <i>Nano-Structures &amp; Nano-Objects</i> <b>2015</b> , 2, 11-18. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.nanoso.2015.07.001">http://dx.doi.org/10.1016/j.nanoso.2015.07.001</a>
347	M. Enamullah, M. K. Islam, M. A. Halim, C. Janiak Syntheses, spectroscopy, X-ray and TDDFT analyses on Rh( $\eta^4$ -cod)-enantiopure aminocarboxylate complexes; <i>J. Mol. Struct.</i> <b>2015</b> , 1099, 154-162. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.molstruc.2015.06.040">http://dx.doi.org/10.1016/j.molstruc.2015.06.040</a>
346	A. Abel Lozano-Pérez, A. L. Gil, S. Pérez, N. Cutillas, H. Meyer, M. Pedreño, S. Aznar-Cervantes, C. Janiak, J. L. Cenis, J. Ruiz, Antitumor Properties of Platinum(IV) Prodrug-Loaded Silk Fibroin Nanoparticles; <i>Dalton Trans.</i> <b>2015</b> , 44, 13513-13521. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5DT00378D">http://dx.doi.org/10.1039/C5DT00378D</a>
345	T. Zhao, L. Cuignet, M. M. Dîrtu, M. Wolff, V. Spasojevic, I. Boldog, A. Rotaru, Y. Garcia, C. Janiak, Water effect on the spin-transition behavior of Fe(II) 1,2,4-triazole 1D chains embedded in pores of MCM-41; <i>J. Mater. Chem. C</i> <b>2015</b> , 3, 7802-7812. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C5TC00311C">http://dx.doi.org/10.1039/C5TC00311C</a>
344	D. Yang, J. Zhao, Y. Zhao, Y. Lei, L. Cao, X.-J. Yang, M. Davi, N. de Sousa Amadeu, C. Janiak, Z. Zhang, Y.-Y. Wang, B. Wu, Encapsulation of Halocarbons in a Tetrahedral Anion Cage; <i>Angew. Chem. Int. Ed.</i> <b>2015</b> , 54, 8658-8661. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/anie.201502399">http://dx.doi.org/10.1002/anie.201502399</a> ; <i>Angew. Chem.</i> <b>2015</b> , 127, 8782-8785. <a href="http://dx.doi.org/10.1002/ange.201502399">http://dx.doi.org/10.1002/ange.201502399</a>
343	K. Klauke, B. Hahn, K. Schütte, J. Barthel, C. Janiak, Bis((dialkylamino)alkylselenolato)metal complexes as precursors for microwave-assisted synthesis of semiconductor metal selenide nanoparticles of zinc and cadmium in the ionic liquid [BMIm][BF <sub>4</sub> ]; <i>Nano-Structures &amp; Nano-Objects</i> <b>2015</b> , 1, 24-31. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.nanoso.2015.06.001">http://dx.doi.org/10.1016/j.nanoso.2015.06.001</a>
342	M. Enamullah, M. A. Quddus, M. R. Hasan, G. Pescitelli, R. Berardozi, G. J. Reiß, C. Janiak, Syntheses, Spectroscopy, and Structural Analyses of Dinuclear Chiral-at-Metal $\mu$ -Aqua-tetrakis[(R or S)-N-1-(Ar)ethyl-salicylaldiminato]-di- $\Lambda$ - or - $\Delta$ -nickel(II) Complexes; <i>Eur. J. Inorg. Chem.</i> <b>2015</b> , 2758-2768. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ejic.201500128">http://dx.doi.org/10.1002/ejic.201500128</a>
341	M. Wickenheisser, A. Herbst, R. Tannert, B. Milow, C. Janiak, Hierarchical MOF-xerogel monolith composites from embedding MIL-100(Fe,Cr) and MIL-101(Cr) in resorcinol-formaldehyde xerogels for water adsorption applications; <i>Micropor. Mesopor. Mater.</i> <b>2015</b> , 215, 143-153. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.micromeso.2015.05.017">http://dx.doi.org/10.1016/j.micromeso.2015.05.017</a>
340	S. Y. Ebrahimipour, I. Sheikhshoaei, A. C. Kautz, M. Ameri, H. Pasban, H. A. Rudbari, G. Bruno, C. Janiak,

	Mono- and dioxido-vanadium(V) complexes of a tridentate ONO Schiff base ligand: Synthesis, spectral characterization, X-ray crystal structure and anticancer activity; <i>Polyhedron</i> <b>2015</b> , <i>93</i> , 99-105. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.poly.2015.03.037">http://dx.doi.org/10.1016/j.poly.2015.03.037</a>
339	S. B. Novaković, G. A. Bogdanović, C. Heering, G. Makhloufi, D. Francuski, C. Janiak, Charge density distribution and electrostatic flexibility of ZIF-8 based on high resolution X-ray diffraction data and periodic calculations; <i>Inorg. Chem.</i> <b>2015</b> , <i>54</i> , 2660-2670. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic5028256">http://dx.doi.org/10.1021/ic5028256</a>
338	E. Riedel, C. Janiak, <i>Übungsbuch Allgemeine und Anorganische Chemie</i> , 3. Auflage Walter de Gruyter, Berlin (ISBN 978-3-11-022964-6; e-ISBN 978-3-11-022965-3) <b>2015</b> . [ <a href="#">pdf-file</a> ]
337	A.-C. Chamayou, G. Makhloufi, L. A. Nafie, C. Janiak, S. Lüdeke, Solvation-induced helicity inversion of pseudotetrahedral chiral copper(II) complexes; <i>Inorg. Chem.</i> <b>2015</b> , <i>54</i> , 2193–2203. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic502661u">http://dx.doi.org/10.1021/ic502661u</a>
336	A. Zamora, S. A. Pérez, V. Rodríguez, C. Janiak, G. S. Yellol, J. Ruiz, Dual Antitumor and Antiangiogenic Activity of Organoplatinum(II) Complexes; <i>J. Med. Chem.</i> <b>2015</b> , <i>58</i> , 1320-1336. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/jm501662b">http://dx.doi.org/10.1021/jm501662b</a>
335	B. Gil-Hernández, S. Savvin, G. Makhloufi, P. Núñez, C. Janiak, J. Sanchiz, Proton Conduction and Long-Range Ferrimagnetic Ordering in Two Isostructural Copper(II) Mesoxalate Metal–Organic Frameworks; <i>Inorg. Chem.</i> <b>2015</b> , <i>54</i> , 1597-1605. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic502586a">http://dx.doi.org/10.1021/ic502586a</a>
334	S. Pal, A. Bhunia, P. P. Jana, S. Dey, J. Möllmer, C. Janiak, H. P. Nayek, A Microporous La-Metal-Organic Framework (MOF) with Large Surface Area; <i>Chem. Eur. J.</i> <b>2015</b> , <i>21</i> , 2789-2792. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.201405168">http://dx.doi.org/10.1002/chem.201405168</a>
333	B. Wu, S. Li, Y. Lei, H. Hu, N. de Sousa Amadeu, C. Janiak, J. S. Mathieson, D.-L. Long, L. Cronin, X.-J. Yang, The Effect of the Spacer of Bis(biurea) Ligands on the Structure of A <sub>2</sub> L <sub>3</sub> -type (A = anion) Phosphate Complexes; <i>Chem. Eur. J.</i> <b>2015</b> , <i>21</i> , 2588-2593. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.201405235">http://dx.doi.org/10.1002/chem.201405235</a>
332	H. Sadaf, A. A. Isab, S. Ahmad, A. Espinosa, M. Mas-Montoya, I. Ullah Khan, Ejaz, S.-ur Rehman, M. A. J. Ali, M. Saleem, J. Ruiz, C. Janiak, Synthesis, crystal structure, theoretical calculations and antimicrobial properties of [Pt(tetramethylthiourea) <sub>4</sub> ] [Pt(CN) <sub>4</sub> ].4H <sub>2</sub> O; <i>J. Mol. Struct.</i> <b>2015</b> , <i>1085</i> , 155-161. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.molstruc.2014.12.076">http://dx.doi.org/10.1016/j.molstruc.2014.12.076</a>
331	G. S. Yellol, J. G. Yellol, V. B. Kenche, X. M. Liu, K. J. Barnham, A. Donaire, C. Janiak, J. Ruiz, Synthesis of 2-Pyridyl-benzimidazole Iridium(III), Ruthenium(II), and Platinum(II) Complexes. Study of the Activity as Inhibitors of Amyloid-β Aggregation and Neurotoxicity Evaluation; <i>Inorg. Chem.</i> <b>2015</b> , <i>54</i> , 470-475. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic50211">http://dx.doi.org/10.1021/ic50211</a> .
330	M. Enamullah, A. Quddus, Md. K. Islam, V. Vasylyeva, C. Janiak, Switching from 4+1 to 4+2 zinc coordination number through the methyl group position on the pyridyl ligand in bis[N-2-(4/6-methyl-pyridyl)salicylaldiminato-k <sup>2</sup> N,O]zinc(II); <i>Inorg. Chim. Acta</i> <b>2015</b> , <i>427</i> , 103-111. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2014.11.020">http://dx.doi.org/10.1016/j.ica.2014.11.020</a>
329	B. B. Saha, I. I. El-Sharkawy, T. Miyazaki, S. Koyama, S. K. Henninger, A. Herbst, C. Janiak, Ethanol adsorption onto metal organic framework: Theory and experiments; <i>Energy</i> <b>2015</b> , <i>79</i> , 363-370. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.energy.2014.11.022">http://dx.doi.org/10.1016/j.energy.2014.11.022</a>
328	M. Wickenheisser, C. Janiak, Hierarchical embedding of micro-mesoporous MIL-101(Cr) in macroporous poly(2-hydroxyethyl methacrylate) high internal phase emulsions with monolithic shape for vapor adsorption applications; <i>Micropor. Mesopor. Mater.</i> <b>2015</b> , <i>204</i> , 242-250. [ <a href="#">pdf-file</a> ]

	<a href="http://dx.doi.org/10.1016/j.micromeso.2014.11.025">http://dx.doi.org/10.1016/j.micromeso.2014.11.025</a>
327	A. Bhunia, S. Dey, M. Bous, C. Zhang, W. von Rybinski, C. Janiak, High adsorptive properties of covalent triazine-based frameworks (CTFs) for surfactants from aqueous solution; <i>Chem. Commun.</i> <b>2015</b> , <i>51</i> , 484-486. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C4CC06393G">http://dx.doi.org/10.1039/C4CC06393G</a>
326	A. Morsali, H. Hosseini Monfared, A. Morsali, C. Janiak, Ultrasonic irradiation assisted syntheses of one-dimensional di(azido)-dipyridylamine Cu(II) coordination polymer nanoparticles; <i>Ultrasonic Sonochemistry</i> <b>2015</b> , <i>23</i> , 208-211. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.ultsonch.2014.06.005">http://dx.doi.org/10.1016/j.ultsonch.2014.06.005</a>
325	C. Janiak, <i>Topics in Organometallic Chemistry</i> , <b>2015</b> , <i>51</i> , 17-53. DOI: 10.1007/3418_2013_70 Metal Nanoparticle Synthesis in Ionic Liquids, in <i>Ionic Liquids (ILs) in Organometallic Catalysis / Topics in Organometallic Chemistry</i> (Eds. J. Dupont, L. Kollar), Springer, Heidelberg, <b>2015</b> , <i>51</i> , 17-53. ISSN 1436-6002 <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1007/3418_2013_70">http://dx.doi.org/10.1007/3418_2013_70</a>
<b>2014</b>	
324	G. Makhloufi, K. Schütte, C. Janiak, The crystal structure of <i>N</i> -(1-(dimethyl-14-azanylidene)ethyl)propan-2-amine, a <i>Z'</i> > 1 structure, C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> ; <i>Z. Kristallogr. NCS</i> <b>2014</b> , <i>229</i> , 429-430. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1515/ncrs-2014-9041">http://dx.doi.org/10.1515/ncrs-2014-9041</a>
323	J. Ruiz, G. Yellol, A. Zamora, J. Yellol, S. Perez, A. Donaire, V. Rodríguez, A. Buceta, N. Cutillas, P. J. Bednarski, C. Janiak, V. Vasylyeva, Hit to lead: SAR studies of cyclometalated benzimidazole and dimethylbenzylamine platinum group metals anticancer compounds; <i>J. Biol. Inorg. Chem.</i> <b>2014</b> , <i>19</i> (Suppl 2), S815–S832. <a href="#">[pdf-file]</a>
322	H. B. Tanh Jeazet, C. Janiak, Metal-Organic Frameworks in Mixed-Matrix Membranes, in <i>Metal Organic Framework Materials</i> (Eds. L. R. MacGillivray, C. Lukehart), Chichester, UK: John Wiley & Sons, Ltd, <b>2014</b> , pp. 1-15. ISBN 978-1-119-95289-3. also published in <a href="#">Encyclopedia of Inorganic and Bioinorganic Chemistry</a> H. B. Tanh C. Janiak (2014) 'Metal-Organic Frameworks: Frameworks in Mixed-Matrix Membranes', in <i>Encyclopedia of Inorganic and Bioinorganic Chemistry</i> , edited by Leonard R. MacGillivray and Charles M. Lukehart. John Wiley & Sons, Ltd: Chichester, UK. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/9781119951438.eibc2219">http://dx.doi.org/10.1002/9781119951438.eibc2219</a>
321	J. Ying, X.-Y. Yang, G. Tian, C. Janiak, B.-L. Su, Self-assembly: An option to nanoporous metal nanocrystals; <i>Nanoscale</i> <b>2014</b> , <i>6</i> , 13370-13382. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C4NR03225J">http://dx.doi.org/10.1039/C4NR03225J</a>
320	S. Barman, A. Khutia, R. Koitz, O. Blacque, H. Furukawa, M. Iannuzzi, O. M. Yaghi, C. Janiak, J. Hutter, H. Berke, Synthesis and hydrogen adsorption properties of internally polarized 2,6-azulenedicarboxylate based metal-organic frameworks; <i>J. Mater. Chem. A</i> <b>2014</b> , <i>2</i> , 18823-18830. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C4TA04393F">http://dx.doi.org/10.1039/C4TA04393F</a>
319	D. Fröhlich, S. K. Henninger, C. Janiak, Multicycle water vapour stability of microporous breathing MOF aluminium isophthalate CAU-10-H; <i>Dalton Trans.</i> <b>2014</b> , <i>43</i> , 15300-15304. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/c4dt02264e">http://dx.doi.org/10.1039/c4dt02264e</a>
318	R. F. M. Elshaarawy, C. Janiak, Ionic liquid-supported chiral saldach with tunable hydrogen bonding: synthesis, metalation with Fe(III) and in vitro antimicrobial susceptibility;

	<i>Tetrahedron</i> <b>2014</b> , <i>70</i> , 8023-8032. <a href="http://dx.doi.org/10.1016/j.tet.2014.08.034">[pdf-file] http://dx.doi.org/10.1016/j.tet.2014.08.034</a>
317	J. Ying, X.-Y. Yang, Z.-Y. Hu, S.-C. Mu, C. Janiak, W. Geng, M. Pan, X. Ke, G. Van Tendeloo, B.-L. Su, One particle@one cell: Highly monodispersed PtPd bimetallic nanoparticles for enhanced oxygen reduction reaction; <i>Nano Energy</i> <b>2014</b> , <i>8</i> , 214-222. <a href="http://dx.doi.org/10.1016/j.nanoen.2014.06.010">[pdf-file] http://dx.doi.org/10.1016/j.nanoen.2014.06.010</a> (IF 10.211 for 2013)
316	I. Boldog, K. V. Domasevitch, J. Sanchiz, P. Meyer, C. Janiak, 1,3,5,7-Tetrakis(tetrazol-5-yl)-adamantane: the smallest tetrahedral tetrazole-functionalized ligand and its complexes formed by reaction with anhydrous M(II)Cl <sub>2</sub> (M= Mn, Cu, Zn, Cd); <i>Dalton Trans.</i> <b>2014</b> , <i>43</i> , 12590-12605. <a href="http://dx.doi.org/10.1039/C4DT01022A">[pdf-file] http://dx.doi.org/10.1039/C4DT01022A</a>
315	A. Herbst, A. Khutia, C. Janiak, Brønsted Instead of Lewis Acidity in Functionalized MIL-101Cr MOFs for Efficient Heterogeneous (nano-MOF) Catalysis in the Condensation Reaction of Aldehydes with Alcohols; <i>Inorg. Chem.</i> <b>2014</b> , <i>53</i> , 7319–7333. <a href="http://dx.doi.org/10.1021/ic5006456">[pdf-file] http://dx.doi.org/10.1021/ic5006456</a>
314	R. Bikas, H. Hosseini-Monfared, V. Vasylyeva, J. Sanchiz, J. Alonso, J. M. Barandiaran, C. Janiak, Heteronuclear, mixed-metal Ag(I)–Mn(II) coordination polymers with bridging N-pyridinylisonicotinohydrazide ligands: synthesis, crystal structures, magnetic and photoluminescent properties; <i>Dalton Trans.</i> <b>2014</b> , <i>43</i> , 11925-11935. <a href="http://dx.doi.org/10.1039/c4dt01390e">[pdf-file] http://dx.doi.org/10.1039/c4dt01390e</a>
313	R. F. M. Elshaarawy, Z. H. Kheiralla, A. A. Rushdy, C. Janiak, New water soluble bis-imidazolium salts with a saldach scaffold: Synthesis, characterization and <i>in vitro</i> cytotoxicity/ bactericidal studies; <i>Inorg. Chim. Acta</i> <b>2014</b> , <i>421</i> , 110-122. <a href="http://dx.doi.org/10.1016/j.ica.2014.05.029">[pdf-file] http://dx.doi.org/10.1016/j.ica.2014.05.029</a>
312	S. Bay, G. Makhloufi, C. Janiak, T. J. J. Müller, The Ugi four-component reaction as a concise modular synthetic tool for photo-induced electron transfer donor-anthraquinone dyads; <i>Beilstein J. Org. Chem.</i> <b>2014</b> , <i>10</i> , 1006-1016. <a href="http://dx.doi.org/10.3762/bjoc.10.100">[pdf-file] http://dx.doi.org/10.3762/bjoc.10.100</a>
311	F. Jeremias, D. Fröhlich, C. Janiak, S. K. Henninger, Advancement of sorption-based heat transformation by a metal coating of highly-stable hydrophilic aluminium fumarate MOF; <i>RSC Advances</i> <b>2014</b> , <i>4</i> , 24073-24082. <a href="http://dx.doi.org/10.1039/c4ra03794d">[pdf-file] http://dx.doi.org/10.1039/c4ra03794d</a>
310	S. S. Mondal, A. Bhunia, A. Kelling, U. Schilde, C. Janiak, H.-J. Holdt, A supramolecular Co(II) <sub>14</sub> -metal-organic cube in a hydrogen-bonded network and a Co(II)-Organic framework with a flexible methoxy substituent; <i>Chem. Commun.</i> <b>2014</b> , <i>50</i> , 5441-5443. <a href="http://dx.doi.org/10.1039/C3CC49698H">[pdf-file] http://dx.doi.org/10.1039/C3CC49698H</a>
309	K. Schütte, A. Doddi, C. Kroll, H. Meyer, C. Wiktor, C. Gemel, G. van Tendeloo, R. A. Fischer, C. Janiak, Colloidal nickel/gallium nanoalloys obtained from organometallic precursors in conventional organic solvents and in ionic liquids: Noble-metal-free alkyne semihydrogenation catalysts; <i>Nanoscale</i> <b>2014</b> , <i>6</i> , 5532-5544. <a href="http://dx.doi.org/10.1039/C4NR00111G">[pdf-file] http://dx.doi.org/10.1039/C4NR00111G</a>
308	F. Jeremias, D. Fröhlich, C. Janiak, S. Henninger, Water and methanol adsorption on MOFs for fast cycling heat transformation processes; <i>New J. Chem.</i> <b>2014</b> , <i>38</i> , 1846-1852. <a href="http://dx.doi.org/10.1039/C3NJ01556D">[pdf-file] http://dx.doi.org/10.1039/C3NJ01556D</a>
307	C. Janiak, S. K. Henninger, MOFs and more - oder wie mit porösen Materialien Kälte und Wärme erzeugt werden können, <i>labor&amp;more</i> <b>2014</b> (3.14), 26-30. <a href="#">[pdf-file]</a>
306	C. Janiak,

	Metal Nanoparticle Synthesis in Ionic Liquids, in <i>Catalysis in Ionic Liquids: From Catalyst Synthesis to Application</i> (Eds. C. Hardacre, V. Parvulescu), RSC Publishing, Cambridge, <b>2014</b> , chapter 11, p. 537-577. ISBN: 978-1-84973-603-9. <a href="#">[pdf-file]</a> <a href="http://www.rsc.org/Shop/books/2014/9781849736039.asp">http://www.rsc.org/Shop/books/2014/9781849736039.asp</a>
305	K. Schütte, H. Meyer, C. Gemel, J. Barthel, R. A. Fischer, C. Janiak, Synthesis of Cu, Zn and bimetallic Cu/Zn brass alloy nanoparticles from metal amidinate precursors in ionic liquid or propylene carbonate with relevance to methanol synthesis; <i>Nanoscale</i> <b>2014</b> , <i>6</i> , 3116-3126. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C3NR05780A">http://dx.doi.org/10.1039/C3NR05780A</a>
304	R. F. M. Elshaarawy, C. Janiak, Toward new classes of potent antibiotics: Synthesis and antimicrobial activity of novel metallosaldachimidazolium salts; <i>Eur. J. Med. Chem.</i> <b>2014</b> , <i>75</i> , 31-42. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.ejmech.2013.09.029">http://dx.doi.org/10.1016/j.ejmech.2013.09.029</a>
303	M. Enamullah, A. K. M R. Uddin, G. Pescitelli, R. Berardozi, G. Makhloufi, V. Vasylyeva, A.-C. Chamayou, C. Janiak; Induced chirality-at-metal and diastereoselectivity at $\Delta/\Lambda$ -configured distorted square-planar copper complexes by enantiopure Schiff base ligands: combined circular dichroism, DFT and X-ray structural studies; <i>Dalton Trans.</i> <b>2014</b> , <i>43</i> , 3313-3329. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/c3dt52871e">http://dx.doi.org/10.1039/c3dt52871e</a>
302	C. Janiak, Inorganic materials synthesis in ionic liquids; <i>AIMS Material Science</i> <b>2014</b> , <i>1</i> , 41-45. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.3934/matersci.2014.1.41">http://dx.doi.org/10.3934/matersci.2014.1.41</a> ; <a href="http://www.aimspress.com/Matersci%2005.pdf">http://www.aimspress.com/Matersci%2005.pdf</a>
301	S. S. Mondal, A. Bhunia, A. Kelling, U. Schilde, C. Janiak, H.-J. Holdt, Giant Zn <sub>14</sub> Molecular Building Block in Hydrogen-bonded Network with Permanent Porosity for Gas Uptake; <i>J. Am. Chem. Soc.</i> <b>2014</b> , <i>136</i> , 44-47. <a href="#">[pdf-file]</a> <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1021/ja410595q">http://dx.doi.org/10.1021/ja410595q</a>
300	A. Khutia, C. Janiak, Programming MIL-101Cr for selective and enhanced CO <sub>2</sub> adsorption at low pressure by postsynthetic amine functionalization; <i>Dalton Trans.</i> <b>2014</b> , <i>43</i> , 1338-1347. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C3DT52365A">http://dx.doi.org/10.1039/C3DT52365A</a>
299	H. Hosseini-Monfared, M. Ghorbanloo, C. Janiak, P. Mayer, Intramolecular diastereoselective cascade cyclization reaction of <i>N,N'</i> -bis(salicylidene)cyclohexenediimine with phosphorylchloride to a bis(chlorophosphorylated) decahydro-2,4-di(2-hydroxyphenyl)benzo[d][1,3,6]oxadiazepine; <i>Phosphorus, Sulfur, Silicon</i> <b>2014</b> , <i>189</i> , 226-234. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1080/10426507.2013.818994">http://dx.doi.org/10.1080/10426507.2013.818994</a>
298	I. Boldog, K. Domasevitch, J. K. Maclaren, C. Heering, G. Makhloufi, C. Janiak, A fluorite isorecticular series of porous framework complexes with tetrahedral ligands: new opportunities for azolate PCPs; <i>CrystEngComm</i> <b>2014</b> , <i>16</i> , 148-151. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C3CE42162G">http://dx.doi.org/10.1039/C3CE42162G</a>
297	S. S. Mondal, A. Bhunia, S. Demeshko, A. Kelling, U. Schilde, C. Janiak, H.-J. Holdt, Synthesis of Co(II)-imidazolate framework from anionic linker precursor: Gas-sorption and magnetic properties; <i>CrystEngComm</i> <b>2014</b> , <i>16</i> , 29-42. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C3CE42040J">http://dx.doi.org/10.1039/C3CE42040J</a>
296	D. Marquardt, F. Beckert, F. Pannetreau, F. Tölle, R. Mülhaupt, O. Riant, S. Hermans, J. Barthel, C. Janiak, Hybrid materials of platinum nanoparticles and thiol-functionalized graphene derivatives; <i>Carbon</i> <b>2014</b> , <i>66</i> , 285-294. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.carbon.2013.09.002">http://dx.doi.org/10.1016/j.carbon.2013.09.002</a>
<b>2013</b>	

295	D. Rönberg, A. Debbab, A. Mándi, V. Vasylyeva, P. Böhrer, B. Stork, L. Engelke, A. Hamacher, R. Sawadogo, M. Diederich, V. Wray, W. Lin, M. Kassack, C. Janiak, S. Scheu, S. Wesselborg, T. Kurtán, A. H. Aly, P. Proksch, Pro-Apoptotic and Immunostimulatory Tetrahydroxanthone Dimers from the Endophytic Fungus <i>Phomopsis longicolla</i> ; <i>J. Org. Chem.</i> <b>2013</b> , <i>78</i> , 12409-12425. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1021/jo402066b">http://dx.doi.org/10.1021/jo402066b</a>
294	N. Cutillas, A. Martínez, G. S. Yellol, V. Rodríguez, A. Zamora, M. Pedreño, A. Donaire, C. Janiak, J. Ruiz, Anticancer C,N-Cycloplatinated(II) Complexes Containing Fluorinated Phosphine Ligands: Synthesis, Structural Characterization, and Biological Activity; <a href="#">[pdf-file]</a> <i>Inorg. Chem.</i> <b>2013</b> , <i>52</i> , 13529-13535. <a href="http://dx.doi.org/10.1021/ic401973k">http://dx.doi.org/10.1021/ic401973k</a>
293	G. S. Yellol, A. Donaire, J. G. Yellol, V. Vasylyeva, C. Janiak, J. Ruiz; On the antitumor properties of novel cyclometalated benzimidazole Ru(II), Ir(III) and Rh(III) complexes; <i>Chem. Commun.</i> <b>2013</b> , <i>49</i> , 11533-11535. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/c3cc46239k">http://dx.doi.org/10.1039/c3cc46239k</a>
292	A. Bhunia, I. Boldog, A. Möller, C. Janiak, Highly stable nanoporous covalent triazine-based frameworks with an adamantane core for carbon dioxide sorption and separation; <i>J. Mater. Chem. A</i> <b>2013</b> , <i>1</i> , 14990-14999. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C3TA13407E">http://dx.doi.org/10.1039/C3TA13407E</a>
291	C. Heering, I. Boldog, V. Vasylyeva, J. Sanchiz, C. Janiak, Bifunctional pyrazolate-carboxylate ligands for isorecticular cobalt and zinc MOF-5 analogs with magnetic analysis of the {Co <sub>4</sub> (μ <sub>4</sub> -O)} node; <i>CrystEngComm</i> <b>2013</b> , <i>15</i> , 9757-9768. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C3CE41426D">http://dx.doi.org/10.1039/C3CE41426D</a>
290	S. S. Mondal, S. Dey, I. A. Baburin, A. Kelling, U. Schilde, G. Seifert, C. Janiak, H.-J. Holdt, Syntheses of two imidazolate-4-amide-5-imidate linker-based hexagonal metal-organic frameworks with flexible ethoxy substituent; <i>CrystEngComm</i> <b>2013</b> , <i>15</i> , 9394-9399. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C3CE41632A">http://dx.doi.org/10.1039/C3CE41632A</a>
289	F. Jeremias, V. Lozan, S. K. Henninger, C. Janiak, Programming MOFs for water sorption: amino-functionalized MIL-125 and UiO-66 for heat transformation and heat storage applications; <i>Dalton Trans.</i> <b>2013</b> , <i>42</i> , 15967-15973. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/C3DT51471D">http://dx.doi.org/10.1039/C3DT51471D</a>
288	H. B. Tanh Jeazet, T. Koschine, C. Staudt, K. Raetzke, C. Janiak, Correlation of gas permeability in a metal-organic framework MIL-101(Cr)-polysulfone mixed-matrix membrane with free volume measurements by positron annihilation lifetime spectroscopy (PALS); <i>Membranes</i> <b>2013</b> , <i>3</i> , 331-353. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.3390/membranes3040331">http://dx.doi.org/10.3390/membranes3040331</a>
287	M. Enamullah, V. Vasylyeva, C. Janiak, Chirality and diastereoselection of Δ/Λ-configured tetrahedral zinc complexes with enantiopure or racemic Schiff base ligands; <i>Inorg. Chim. Acta</i> <b>2013</b> , <i>408</i> , 109-119. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.ica.2013.08.016">http://dx.doi.org/10.1016/j.ica.2013.08.016</a>
286	C. Janiak, Ionic liquids for the synthesis and stabilization of metal nanoparticles; <i>Z. Naturforsch. B</i> <b>2013</b> , <i>68</i> , 1056-1089. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.5560/ZNB.2013-3140">http://dx.doi.org/10.5560/ZNB.2013-3140</a>
285	S. Biswas, S. Couck, D. Denysenko, A. Bhunia, M. Grzywa, J. F. M. Denayer, D. Volkmer, C. Janiak, P. Van Der Voort, Sorption and breathing properties of difluorinated MIL-47 and Al-MIL-53 frameworks; <i>Microporous Mesoporous Mater.</i> <b>2013</b> , <i>181</i> , 175-181. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.micromeso.2013.07.030">http://dx.doi.org/10.1016/j.micromeso.2013.07.030</a>
284	M. Wickenheisser, F. Jeremias, S. K. Henninger, C. Janiak,

	Grafting of hydrophilic ethylene glycols or ethylenediamine on coordinatively unsaturated metal sites in MIL-100(Cr) for improved water adsorption characteristics; <i>Inorg. Chim. Acta</i> <b>2013</b> , 407, 145-152. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2013.07.024">http://dx.doi.org/10.1016/j.ica.2013.07.024</a>
283	H. Hosseini-Monfared, N. Asghari-Lalami, A. Pazio, K. Wozniak, C. Janiak, Dinuclear vanadium, copper, manganese and titanium complexes containing O,O,N-dichelating ligands: Synthesis, crystal structure and catalytic activity; <i>Inorg. Chim. Acta</i> <b>2013</b> , 406, 241-250. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2013.04.044">http://dx.doi.org/10.1016/j.ica.2013.04.044</a>
282	S. S. Mondal, A. Bhunia, I. A. Baburin, C. Jäger, A. Kelling, U. Schilde, G. Seifert, C. Janiak, H.-J. Holdt, Gate effects in a hexagonal zinc-imidazolate-4-amide-5-imidate framework with flexible methoxy substituents and CO <sub>2</sub> selectivity; <i>Chem. Commun.</i> <b>2013</b> , 49, 7567-7570. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C3CC42156B">http://dx.doi.org/10.1039/C3CC42156B</a>
281	C. Janiak, Demonstration of permanent porosity in flexible and guest-responsive organic zeolite analogs (now called MOFs); <i>Chem. Commun.</i> <b>2013</b> , 49, 6933-6937. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C3CC42322K">http://dx.doi.org/10.1039/C3CC42322K</a>
280	C. Janiak, S. K. Henninger, Porous Coordination Polymers as Novel Sorption Materials for Heat Transformation Processes; <i>Chimia</i> <b>2013</b> , 67, 419-424. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.2533/chimia.2013.419">http://dx.doi.org/10.2533/chimia.2013.419</a>
279	D. Marquardt, C. Janiak, Metall-Nanopartikel in ionischen Flüssigkeiten; <i>Nachr. Chemie</i> <b>2013</b> , 61 (7-8), 754-757. [ <a href="#">pdf-file</a> ] <a href="http://www.degruyter.com/view/j/nachrchem.2013.61.7-8/nachrchem.2013.61.7-8.754/nachrchem.2013.61.7-8.754.xml?format=INT">http://www.degruyter.com/view/j/nachrchem.2013.61.7-8/nachrchem.2013.61.7-8.754/nachrchem.2013.61.7-8.754.xml?format=INT</a>
278	T. Van Vu, H. Kosslick, A. Schulz, J. Harloff, E. Paetzold, J. Radnik, U. Kragl, G. Fulda, C. Janiak, N. Dinh Tuyen, Hydroformylation of olefins over rhodium supported metal-organic framework catalysts of different structure; <i>Microporous Mesoporous Mater.</i> <b>2013</b> , 177, 136-142. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.micromeso.2013.02.035">http://dx.doi.org/10.1016/j.micromeso.2013.02.035</a>
277	Partial coating of component with layer e.g. magnetic layer of metal-organic framework, by cleaning component and then annealing at specified temperature for specified duration, and functionalizing component with self-assembled monolayer; Patent Number(s): DE102011106668-A1; WO2013004726-A1 (Publication date: 10 Jan 2013; application dates 05 Jul 2011 and 04 Jul 2012, respectively), Inventor(s): F. Jeremias, S. Henninger, C. Janiak, Patent Assignee Name(s) and Code(s): Fraunhofer Ges Förderung Angewandten EV (Frau-C) [ <a href="#">pdf-file</a> ]
276	C. Janiak, S. K. Henninger, Kühlen mit Sonnenlicht; <i>Nachr. Chemie</i> <b>2013</b> , 61, 520-523. [ <a href="#">pdf-file</a> ] <a href="http://www.degruyter.com/view/j/nachrchem.2013.61.5/nachrchem.2013.61.5.520/nachrchem.2013.61.5.520.xml?format=INT">http://www.degruyter.com/view/j/nachrchem.2013.61.5/nachrchem.2013.61.5.520/nachrchem.2013.61.5.520.xml?format=INT</a>
275	B. Wu, F. Cui, Y. Lei, S. Li, N. de Sousa Amadeu, C. Janiak, Y.-J. Lin, L.-H. Weng, Y.-Y. Wang, X.-J. Yang, Tetrahedral anion cage: Self-assembly of a (PO <sub>4</sub> ) <sub>4</sub> L <sub>4</sub> complex from a tris-bisurea ligand; <i>Angew. Chem.</i> <b>2013</b> , 125, 5200-5204. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ange.201209930">http://dx.doi.org/10.1002/ange.201209930</a> <i>Angew. Chem. Int. Ed.</i> <b>2013</b> , 52, 5096-5100. <a href="http://dx.doi.org/10.1002/anie.201209930">http://dx.doi.org/10.1002/anie.201209930</a>
274	P. C. Kunz, H. Meyer, J. Barthel, S. Sollazzo, A. Schmidt, C. Janiak, Metal carbonyls supported on iron oxide nanoparticles to trigger the CO-gasotransmitter release by



	magnetic heating; <i>Chem. Commun.</i> <b>2013</b> , 49, 4896-4898. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C3CC41411F">http://dx.doi.org/10.1039/C3CC41411F</a>
273	R. F. M. Elshaarawy, Y. Lan, C. Janiak, Oligonuclear homo- and mixed-valence manganese complexes based on thiophene- or aryl-carboxylate ligation: Synthesis, characterization and magnetic studies; <i>Inorg. Chim. Acta</i> <b>2013</b> , 401, 85-94. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2013.03.019">http://dx.doi.org/10.1016/j.ica.2013.03.019</a>
272	A. Bhunia, V. Vasylyeva, C. Janiak, From a supramolecular tetranitrile to a porous covalent triazine-based framework with high gas uptake capacities; <i>Chem. Commun.</i> <b>2013</b> , 49, 3961-3963. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C3CC41382A">http://dx.doi.org/10.1039/C3CC41382A</a>
271	P. C. Kunz, H. Meyer, A. Schmidt, C. Janiak, Nano-Sized Carriers for Carbon Monoxide Releasing Molecules; in <i>EUROBIC 11</i> (Eds. J. M. González-Pérez, A. Matilla-Hernández, J. Niclós-Gutiérrez), Medimond, Bologna, Italy (ISBN 978-88-7587-658-6). <b>2013</b> , p. 25-30. [ <a href="#">pdf-file</a> ] <a href="http://www.medimond.com/ebook/P912.pdf">http://www.medimond.com/ebook/P912.pdf</a>
270	H. Hosseini-Monfared, H. Meyer, C. Janiak, Dioxygen oxidation of 1-phenylethanol with gold nanoparticles and N-hydroxyphthalimide in ionic liquid; <i>J. Mol. Catal. A: Chem.</i> <b>2013</b> , 372, 72-78. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.molcata.2013.02.007">http://dx.doi.org/10.1016/j.molcata.2013.02.007</a>
269	A. Khutia, H. U. Rammelberg, T. Schmidt, S. Henninger, C. Janiak, Water sorption cycle measurements on functionalized MIL-101Cr for heat transformation application; <i>Chem. Mater.</i> <b>2013</b> , 25, 790-798. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/cm304055k">http://dx.doi.org/10.1021/cm304055k</a>
268	I. Boldog, K.V. Domasevitch, I. A. Baburin, H. Ott, B. Gil-Hernández, J. Sanchiz, C. Janiak, A rare alb-4,8-Cmce metal-coordination network based on tetrazolate and phosphonate functionalized 1,3,5,7-tetraphenyladamantane; <i>CrystEngComm</i> <b>2013</b> , 15, 1235-1243. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C2CE26819A">http://dx.doi.org/10.1039/C2CE26819A</a>
<b>2012</b>	
267	H. B. Tanh Jeazet, C. Staudt, C. Janiak, Metal-organic frameworks in mixed-matrix membranes for gas separation; <i>Dalton Trans.</i> <b>2012</b> , 41, 14003-14027. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C2DT31550E">http://dx.doi.org/10.1039/C2DT31550E</a>
266	K. Hunger, N. Schmeling, H. B. Tanh Jeazet, C. Janiak, C. Staudt, K. Kleinermanns, Investigation of cross-linked and additive containing polymer materials for membranes with improved performance in pervaporation and gas separation; <i>Membranes</i> <b>2012</b> , 2, 727-763. (ISSN 2077-0375) [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.3390/membranes2040727">http://dx.doi.org/10.3390/membranes2040727</a>
265	I. Boldog, L. Xing, A. Schulz, C. Janiak, Influence of sterically non-hindering methyl groups on adsorption properties of two classical zinc and copper MOF types; <i>Comptes rendus chimie</i> <b>2012</b> , 15, 866-877. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.crci.2012.09.001">http://dx.doi.org/10.1016/j.crci.2012.09.001</a>
264	D. Marquardt, J. Barthel, M. Braun, C. Ganter, C. Janiak, Weakly-coordinated stable platinum nanocrystals; <i>CrystEngComm</i> <b>2012</b> , 14, 7607-7615. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C2CE25904D">http://dx.doi.org/10.1039/C2CE25904D</a>
263	S.-H. Yu, L. R. MacGillivray, C. Janiak, Nanocrystals; <i>CrystEngComm</i> <b>2012</b> , 14, 7531-7534. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c2ce90082c">http://dx.doi.org/10.1039/c2ce90082c</a>

262	F. Jeremias, S. K. Henninger, C. Janiak, High performance metal-organic-framework coatings obtained via thermal gradient synthesis; <i>Chem. Commun.</i> <b>2012</b> , 48, 9708-9710. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C2CC34782B">http://dx.doi.org/10.1039/C2CC34782B</a>
261	C. Vollmer, R. Thomann, C. Janiak, Organic carbonates as stabilizing solvents for transition-metal nanoparticles; <i>Dalton Trans.</i> <b>2012</b> , 41, 9722-9727. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C2DT30668A">http://dx.doi.org/10.1039/C2DT30668A</a>
260	J. K. Maclaren, J. Sanchiz, P. Gili, C. Janiak, Hydrophobic-exterior layer structures and magnetic properties of trinuclear copper complexes with chiral amino alcoholate ligands; <i>New J. Chem.</i> <b>2012</b> , 36, 1596-1609. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C2NJ40063D">http://dx.doi.org/10.1039/C2NJ40063D</a>
259	H. Hosseini-Monfared, C. Näther, H. Winkler, C. Janiak, Highly selective and "green" alcohol oxidations in water using aqueous 10% H <sub>2</sub> O <sub>2</sub> and iron-benzenetricarboxylate metal-organic gel; <i>Inorg. Chim. Acta</i> <b>2012</b> , 391, 75-82. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2012.05.007">http://dx.doi.org/10.1016/j.ica.2012.05.007</a>
258	C. Janiak, <i>Nichtmetallchemie – Grundlagen und Anwendungen</i> , 4. Auflage, ein Lehrbuch, Shaker Verlag (ISBN 978-3-8440-1042-8), Aachen <b>2012</b> , 289 Seiten. [ <a href="#">pdf-file</a> ]
257	J. K. Maclaren, C. Janiak, Amino-acid based coordination polymers; <i>Inorg. Chim. Acta</i> <b>2012</b> , 389, 183-190. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2012.03.010">http://dx.doi.org/10.1016/j.ica.2012.03.010</a>
256	S. K. Henninger, F. Jeremias, H. Kummer, C. Janiak, MOFs for use in adsorption heat pump processes; <i>Eur. J. Inorg. Chem.</i> <b>2012</b> , 2625-2634. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ejic.201101056">http://dx.doi.org/10.1002/ejic.201101056</a>
255	F. Jeremias, A. Khutia, S. K. Henninger, C. Janiak, MIL-100(Al, Fe) as water adsorbents for heat transformation purposes – a promising application; <i>J. Mater. Chem.</i> <b>2012</b> , 22, 10148-10151. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C2JM15615F">http://dx.doi.org/10.1039/C2JM15615F</a>
254	M. Enamullah, A. K. M. R. Uddin, G. Hogarth, C. Janiak, Synthesis, spectroscopy, catalysis and crystal structure of [Rh( $\eta^4$ -cod){R-N-(Ar)ethyl-2-oxo-1-naphthalidinato- $\kappa^2$ N,O}] (Ar = C <sub>6</sub> H <sub>5</sub> , 3-/4-MeOC <sub>6</sub> H <sub>4</sub> , and 4-BrC <sub>6</sub> H <sub>4</sub> ); <i>Inorg. Chim. Acta</i> <b>2012</b> , 387, 173-180. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2012.01.013">http://dx.doi.org/10.1016/j.ica.2012.01.013</a>
253	Y. Hao, C. Jia, S. Li, X. Huang, X.-J. Yang, C. Janiak, B. Wu, Sulphate binding by a quinolinyl-functionalised tripodal tris-urea receptor; <i>Supramol. Chem.</i> <b>2012</b> , 24, 88-94. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1080/10610278.2011.622389">http://dx.doi.org/10.1080/10610278.2011.622389</a>
252	C. Vollmer, M. Schröder, Y. Thomann, R. Thomann, C. Janiak, Turning Teflon-coated magnetic stirring bars to catalyst systems with metal nanoparticle trace deposits - a caveat and a chance; <i>Appl. Catal. A</i> <b>2012</b> , 425-426, 178-183. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.apcata.2012.03.017">http://dx.doi.org/10.1016/j.apcata.2012.03.017</a>
251	B. Gil-Hernández, J. K. Maclaren, H. A. Höpfe, J. Pasan, J. Sanchiz, C. Janiak, Homochiral lanthanoid(III) mesoxalate metal-organic frameworks: synthesis, crystal growth, chirality, magnetic and luminescent properties; <i>CrystEngComm</i> <b>2012</b> , 14, 2635-2644. (issue front cover) [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c2ce06496k">http://dx.doi.org/10.1039/c2ce06496k</a>
250	C. Janiak, Kapitel 3: Komplex-/Koordinationschemie und Kapitel 4: Organometallchemie in C. Janiak, H.-J. Meyer, D. Gudat, R. Alsfasser <i>Moderne Anorganische Chemie</i> , 4. Auflage, (Hrsg. H.-J. Meyer) Walter de Gruyter, Berlin (ISBN 978-3-11-024900-2) <b>2012</b> . [ <a href="#">pdf-file</a> ]

249	H. B. Tanh Jeazet, C. Staudt, C. Janiak, A method for increasing permeability in O <sub>2</sub> /N <sub>2</sub> separation with mixed-matrix membranes made of water-stable MIL-101 and polysulfone; <i>Chem. Commun.</i> <b>2012</b> , 48, 2140-2142. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C2CC16628C">http://dx.doi.org/10.1039/C2CC16628C</a>
2011	
248	R. F. M. Elshaarawy, C. Janiak, 2-Thiophenecarbohydrazides: Novel Efficient Method for the Synthesis of 2-Thiophenecarbohydrazide; <i>Z. Naturforsch.</i> <b>2011</b> , 66b, 1202-1208. [ <a href="#">pdf-file</a> ] <a href="http://www.znaturforsch.com/s66b/s66b1202.pdf">http://www.znaturforsch.com/s66b/s66b1202.pdf</a>
247	S. K. Henninger, F. Jeremias, J. Ehrenmann, C. Janiak, The potential of PCPs/MOFs for the use of adsorption heat pump processes; <i>Proceedings Int. Sorption Heat Pump Conference (ISHPC11)</i> , Padua, Italy, April 6-8, <b>2011</b> , 415-423. <a href="#">[pdf-file]</a>
246	A.-C. Chamayou, S. Lüdeke, V. Brecht, T. B. Freedman, L. A. Nafie, C. Janiak, Chirality and Diastereoselection of $\Delta/\Lambda$ -Configured Tetrahedral Zinc Complexes through Enantiopure Schiff Base Complexes: Combined Vibrational Circular Dichroism, Density Functional Theory, <sup>1</sup> H NMR and X-ray Structural Studies; <i>Inorg. Chem.</i> <b>2011</b> , 50, 11363-11374. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic2009557">http://dx.doi.org/10.1021/ic2009557</a>
245	A. B. Caballero, J. K. Maclaren, A. Rodríguez-Diéguez, I. Vidal, J. A. Dobado, J. M. Salas, C. Janiak, Dinuclear silver(I) complexes for the design of metal-ligand networks based on triazolopyrimidines; <i>Dalton Trans.</i> <b>2011</b> , 40, 11845-11855. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c1dt10603a">http://dx.doi.org/10.1039/c1dt10603a</a>
244b	S. F. L. Mertens, C. Vollmer, A. Held, M. H. Aguirre, M. Walter, C. Janiak, T. Wandlowski, Quantisierte Aufladung von „ligandenfreien“ Clustern in einer ionischen Flüssigkeit; <i>Angew. Chem.</i> <b>2011</b> , 123, 9909-9912. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ange.201104381">http://dx.doi.org/10.1002/ange.201104381</a>
244a	S. F. L. Mertens, C. Vollmer, A. Held, M. H. Aguirre, M. Walter, C. Janiak, T. Wandlowski, “Ligand-Free” Cluster Quantized Charging in an Ionic Liquid; <i>Angew. Chem. Int. Ed.</i> <b>2011</b> , 50, 9735-9738. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/anie.201104381">http://dx.doi.org/10.1002/anie.201104381</a>
243	A. B. Caballero, A. Rodríguez-Diéguez, J. K. Vieth, J. M. Salas, C. Janiak, Solvent-dependent 2D-coordination polymers of Cu(I) containing a bridging triazolopyrimidine ligand; <i>Inorg. Chim. Acta</i> , <b>2011</b> , 376, 674-678. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2011.07.008">http://dx.doi.org/10.1016/j.ica.2011.07.008</a>
242	D. Marquardt, Z. Xie, A. Taubert, R. Thomann, C. Janiak, Microwave synthesis and inherent stabilization of metal nanoparticles in 1-methyl-3-(3-carboxyethyl)-imidazolium tetrafluoroborate; <i>Dalton Trans.</i> <b>2011</b> , 40, 8290-8293. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C1DT10795J">http://dx.doi.org/10.1039/C1DT10795J</a>
241	M. Ghorbanloo, H. Hosseini Monfared, C. Janiak, The catalytic function of a silica gel-immobilized Mn(II)-hydrazide complex for alkene epoxidation with H <sub>2</sub> O <sub>2</sub> ; <i>J. Mol. Catal. A: Chem.</i> <b>2011</b> , 345, 12-20. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.molcata.2011.05.014">http://dx.doi.org/10.1016/j.molcata.2011.05.014</a>
240	G. J. Reiss, I. Boldog, C. Janiak, Redetermination of diaquatetrakis(dimethylformamide-κO)magnesium dichloride; <i>Acta Cryst.</i> <b>2011</b> , E67, m1109-m1110. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1107/S1600536811027073">http://dx.doi.org/10.1107/S1600536811027073</a>
239	C. Vollmer, C. Janiak, Naked metal nanoparticles from metal carbonyls in ionic liquids: Easy synthesis and stabilization; <i>Coord. Chem. Rev.</i> <b>2011</b> , 255, 2039-2057. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ccr.2011.03.005">http://dx.doi.org/10.1016/j.ccr.2011.03.005</a>
238	A. Tahli, J. K. Maclaren, I. Boldog, C. Janiak, Synthesis and crystal structure determination of 0D-, 1D- and 3D-metal compounds of 4-(pyrid-4-yl)-

	1,2,4-triazole with zinc(II) and cadmium(II); <i>Inorg. Chim. Acta</i> <b>2011</b> , 374, 506-513. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2011.03.072">http://dx.doi.org/10.1016/j.ica.2011.03.072</a>
237	B. Wu, J. Yang, X. Huang, S. Li, C. Jia, X.-J. Yang, N. Tang, C. Janiak, Anion binding by metallo-receptors of 5,5'-dicarbamate-2,2'-bipyridine ligands; <i>Dalton Trans.</i> <b>2011</b> , 40, 5687-5696. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C0DT01561J">http://dx.doi.org/10.1039/C0DT01561J</a>
236	D. Mekhatria, S. Rigolet, C. Janiak, A. Simon-Masseron, M. Abdelkrim Hasnaoui, A. Bengueddach, A new inorganic-organic hybrid zinc phosphate prepared with L-histidine with an unusual stability in water; <i>Cryst. Growth Des.</i> <b>2011</b> , 11, 396-404. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/cg100952q">http://dx.doi.org/10.1021/cg100952q</a>
235	E. Riedel, C. Janiak, <i>Übungsbuch Allgemeine und Anorganische Chemie</i> , 2. Aufl., Walter de Gruyter, Berlin (ISBN 978-3-11-022964-6; e-ISBN 978-3-11-022965-3) <b>2011</b> .
234	E. Riedel, C. Janiak, <i>Anorganische Chemie</i> , 8. Auflage, Walter de Gruyter, Berlin (ISBN 978-3-11-022566-2) <b>2011</b> .
233b	C. Janiak, S. Henninger, Kühlung mit Sonnenlicht; <i>Die Aktuelle Wochenschau der GDCh</i> . [ <a href="#">pdf-file</a> ] <a href="http://www.aktuellewochenschau.de/2010/w48/woche48.html">http://www.aktuellewochenschau.de/2010/w48/woche48.html</a>
233a	J. Ehrenmann, S. K. Henninger, C. Janiak, Water adsorption characteristics of MIL-101 for heat transformation applications of MOFs; <i>Eur. J. Inorg. Chem.</i> <b>2011</b> , 471-474. (Journal front cover [ <a href="#">pdf-file</a> ] <a href="http://onlinelibrary.wiley.com/doi/10.1002/ejic.201190006/pdf">http://onlinelibrary.wiley.com/doi/10.1002/ejic.201190006/pdf</a> ). <a href="http://dx.doi.org/10.1002/ejic.201001156">http://dx.doi.org/10.1002/ejic.201001156</a>
232	H. Hosseini Monfared, M. Vahedpour, M. M. Yeganeh, M. Ghorbanloo, P. Mayer, C. Janiak, Concentration dependent tautomerism in green [Cu(HL <sup>1</sup> )(L <sup>2</sup> )] and brown [Cu(L <sup>1</sup> )(HL <sup>2</sup> )] with H <sub>2</sub> L <sup>1</sup> = (E)-N'-(2-hydroxy-3-methoxybenzylidene)benzoylhydrazone and HL <sup>2</sup> = pyridine-4-carboxylic (isonicotinic) acid; <i>Dalton Trans.</i> <b>2011</b> , 40, 1286-1294. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c0dt00371a">http://dx.doi.org/10.1039/c0dt00371a</a>
231	D. Marquardt, C. Vollmer, R. Thomann, P. Steurer, R. Mühlaupt, E. Redel, C. Janiak, The use of microwave irradiation for the easy synthesis of graphene-supported transition metal hybrid nanoparticles in ionic liquids; <i>Carbon</i> <b>2011</b> , 49, 1326-1332. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.carbon.2010.09.066">http://dx.doi.org/10.1016/j.carbon.2010.09.066</a>
230	F. Blank, J. K. Vieth, J. Ruiz, V. Rodríguez, C. Janiak, $\eta^5$ -Cyclopentadienyl palladium(II) complexes: Synthesis, characterization and use for the vinyl addition polymerization of norbornene and the copolymerization with 5-vinyl-2-norbornene or 5-ethylidene-2-norbornene; <i>J. Organomet. Chem.</i> <b>2011</b> , 696, 473-487. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.jorganchem.2010.08.050">http://dx.doi.org/10.1016/j.jorganchem.2010.08.050</a>
229	A.-C. Chamayou, M. A. Neelakantan, S. Thalamuthu, C. Janiak, The first vitamin B <sub>6</sub> zinc complex, pyridoxinato-zinc acetate: A 1D coordination polymer with polar packing through strong inter-chain hydrogen bonding; <i>Inorg. Chim. Acta</i> <b>2011</b> , 365, 447-450. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2010.07.033">http://dx.doi.org/10.1016/j.ica.2010.07.033</a>
<b>2010-2006 <a href="#">to the top</a></b>	
228	C. Janiak, Stannocene as cyclopentadienyl transfer agent in transmetalation reactions with lanthanide metals for the synthesis of tris(cyclopentadienyl)lanthanides;

	Z. Anorg. Allg. Chem. <b>2010</b> , 636, 2387-2390. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.201000239">http://dx.doi.org/10.1002/zaac.201000239</a>
227	B. Gil-Hernández, H. Höppe, J. K. Vieth, J. Sanchiz, C. Janiak, Spontaneous resolution upon crystallization of chiral La(III) and Gd(III) MOFs from achiral dihydroxymalonate; <i>Chem. Commun.</i> <b>2010</b> , 46, 8270-8272. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c0cc01804j">http://dx.doi.org/10.1039/c0cc01804j</a>
226	C. Janiak, J. K. Vieth, MOFs, MILs and more: Concepts, properties and applications for porous coordination networks (PCNs); <i>New J. Chem.</i> <b>2010</b> , 34, 2366-2388. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C0NJ00275E">http://dx.doi.org/10.1039/C0NJ00275E</a>
225	H. Hosseini Monfared, A.-C. Chamayou, S. Khajeh, C. Janiak, Can a small amount of crystal solvent be overlooked or have no structural effect? Isomorphous non-stoichiometric hydrates ( <i>pseudo</i> -polymorphs): The case of salicylaldehyde thiosemicarbazone; <i>CrystEngComm</i> <b>2010</b> , 12, 3526-3530. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/C0CE00041H">http://dx.doi.org/10.1039/C0CE00041H</a>
224	F. Zhuge, B. Wu, L. Dong, J. Yang, C. Janiak, N. Tang, X.-J. Yang, Charge-assisted Hydrogen-bonded Linear Second-sphere Assemblies [M <sup>II</sup> (DABP) <sub>3</sub> ] <sub>3</sub> [Cr(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] <sub>2</sub> ·14H <sub>2</sub> O (M = Cu, Ni, Fe, Zn and Mn) with a Discrete (H <sub>2</sub> O) <sub>14</sub> Cluster of S <sub>6</sub> symmetry; <i>Aust. J. Chem.</i> <b>2010</b> , 63, 1358-1364. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1071/CH09557">http://dx.doi.org/10.1071/CH09557</a>
223	F. Blank, H. Scherer, C. Janiak, Oligomers and soluble polymers from the vinyl polymerization of norbornene and 5-vinyl-2-norbornene with cationic palladium catalysts; (Editors's Choice paper) <i>J. Mol. Catal. A: Chem.</i> <b>2010</b> , 330 (1-2), 1-9. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.molcata.2010.07.009">http://dx.doi.org/10.1016/j.molcata.2010.07.009</a>
222	B. Gil-Hernández, P. Gili, J. K. Vieth, C. Janiak, J. Sanchiz, Magnetic Ordering in Two Molecule-Based (10,3)-a Nets Prepared from a Copper(II) Trinuclear Secondary Building Unit; <i>Inorg. Chem.</i> <b>2010</b> , 49, 7478-7490. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic100796e">http://dx.doi.org/10.1021/ic100796e</a>
221	H. A. Habib, B. Gil-Hernández, K. Abu-Shandi, J. Sanchiz, C. Janiak, Iron, copper and zinc ammonio-1-hydroxyalkylidene-diphosphonates with zero-, one- and two-dimensional covalent metal-ligand structures extended into three-dimensional supramolecular networks by charge-assisted hydrogen bonding; <i>Polyhedron</i> <b>2010</b> , 29, 2537-2545. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.poly.2010.05.025">http://dx.doi.org/10.1016/j.poly.2010.05.025</a>
220	A.-C. Chamayou, C. Janiak, A >22 Å long metal-complex anion and a 1D cationic coordination polymer, both based on 4,4'-bipyridine- <i>N,N'</i> -dioxide, yielding a 3D and 2-fold interpenetrated fsc net of the hydrogen-bonded metal-organic 1D polymer; <i>Inorg. Chim. Acta</i> <b>2010</b> , 363, 2193-2200. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2010.03.025">http://dx.doi.org/10.1016/j.ica.2010.03.025</a>
219	B. M. Drašković, G. A. Bogdanović, M. A. Neelakantan, A.-C. Chamayou, S. Thalamuthu, Y. S. Avadhut, J. Schmedt auf der Günne, S. Banerjee, C. Janiak, <i>N</i> -o-Vanillylidene-L-histidine: Experimental charge density analysis of a double zwitterionic amino acid Schiff-base compound; <i>Cryst. Growth Des.</i> <b>2010</b> , 10, 1665-1676. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/cg901239v">http://dx.doi.org/10.1021/cg901239v</a>
218	F. Blank, H. Scherer, J. Ruiz, V. Rodríguez, C. Janiak, Palladium(II) complexes with pentafluorophenyl ligands: Structures, C <sub>6</sub> F <sub>5</sub> fluxionality by 2D NMR studies and pre-catalysts for the vinyl addition polymerization of norbornene; <i>Dalton Trans.</i> <b>2010</b> , 39, 3609-3619. (hot paper) [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b925674a">http://dx.doi.org/10.1039/b925674a</a>
217	J. Ruiz, V. Rodríguez, C. de Haro, A. Espinosa, J. Pérez, C. Janiak, New 7-Azaindole Palladium and Platinum Complexes: Crystal Structures and Theoretical Calculations. In Vitro Anticancer Activity of the Platinum Compounds; <i>Dalton Trans.</i> <b>2010</b> , 39, 3290-3301. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b920854b">http://dx.doi.org/10.1039/b920854b</a>

216	C. Vollmer, E. Redel, K. Abu-Shandi, R. Thomann, H. Manyar, C. Hardacre, C. Janiak, Microwave irradiation for the facile synthesis of transition metal nanoparticles in ionic liquids from metal carbonyl precursors and Ru-, Rh- and Ir-NP/IL dispersions as biphasic liquid-liquid hydrogenation nanocatalysts for cyclohexene; <i>Chem. Eur. J.</i> <b>2010</b> , <i>16</i> , 3849-3858. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.200903214">http://dx.doi.org/10.1002/chem.200903214</a>
215	E. Redel, M. Walter, R. Thomann, L. Hussein, M. Krüger, C. Janiak, Stop-and-go, stepwise and "ligand-free" nucleation, nanocrystal growth and formation of Au-NPs in ionic liquids (ILs); <i>Chem. Commun.</i> <b>2010</b> , <i>46</i> , 1159-1161. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b921744d">http://dx.doi.org/10.1039/b921744d</a>
214	F. Zhuge, B. Wu, J. Yang, C. Janiak, N. Tang, X.-J. Yang, Microscale hexagonal rods of a charge-assisted second-sphere coordination compound [Co(DABP) <sub>3</sub> ][Fe(CN) <sub>6</sub> ]; <i>Chem. Commun.</i> <b>2010</b> , <i>46</i> , 1121-1123. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b914216a">http://dx.doi.org/10.1039/b914216a</a>
213	C. Aakeröy, N. R. Champness, C. Janiak, Recent advances in crystal engineering; <i>CrystEngComm</i> <b>2010</b> , <i>12</i> , 22-43. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b919819a">http://dx.doi.org/10.1039/b919819a</a>
<b>2009</b>	
212	H. Hosseini Monfared, A. Mohajeri, A. Morsali, C. Janiak, Olefin epoxidation with H <sub>2</sub> O <sub>2</sub> in the presence of Mn(II)-dicarboxylate coordination polymer catalysts; <i>Monatsh. Chem.-Chemical Monthly</i> <b>2009</b> , <i>140</i> , 1437-1445. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1007/s00706-009-0215-6">http://dx.doi.org/10.1007/s00706-009-0215-6</a>
211	F. Zhuge, B. Wu, J. Liang, J. Yang, Y. Liu, C. Jia, C. Janiak, N. Tang, X.-J. Yang, Full- or half-encapsulation of sulfate anion by a tris(3-pyridylurea) receptor: effect of the secondary coordination sphere; <i>Inorg. Chem.</i> <b>2009</b> , <i>48</i> , 10249-10256. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic9012685">http://dx.doi.org/10.1021/ic9012685</a>
210	A. C. Chamayou, C. Biswas, A. Ghosh, C. Janiak, (Acetato-κO)aqua(1 <i>H</i> -imidazole-κN <sup>3</sup> )(picolinato-κ <sup>2</sup> N,O)copper(II) 0.87-hydrate: a <i>Z'</i> > 1 structure; <i>Acta Cryst.</i> <b>2009</b> , <i>C65</i> , m311-m313. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1107/S0108270109028005">http://dx.doi.org/10.1107/S0108270109028005</a>
209	R. F. Mahmoud, C. Janiak, Aqua(2,2'-bipyridine-κ <sup>2</sup> N,N')bis(thiophene-2-carboxylato-κO)copper(II); <i>Acta Cryst.</i> <b>2009</b> , <i>E65</i> , m909-m910. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1107/S1600536809026713">http://dx.doi.org/10.1107/S1600536809026713</a>
208	E. Riedel, C. Janiak, <i>Übungsbuch Allgemeine und Anorganische Chemie</i> , Walter de Gruyter, Berlin (ISBN 978-3-11-020687-6) <b>2009</b> .
207	H. H. Monfared, J. Sanchiz, Z. Kalantari, C. Janiak, Structure and magnetic properties of a tetranuclear Cu <sub>4</sub> O <sub>4</sub> open-cubane in [Cu(L)] <sub>4</sub> ·4H <sub>2</sub> O with L <sup>2-</sup> = ( <i>E</i> )- <i>N'</i> -(2-oxy-3-methoxybenzylidene)benzohydrazide; <i>Inorg. Chim. Acta</i> <b>2009</b> , <i>362</i> , 3791-3795. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2009.04.042">http://dx.doi.org/10.1016/j.ica.2009.04.042</a>
206	E. Redel, M. Fiederle, C. Janiak, Piperazinium, ethylenediammonium or 4,4'-bipyridinium halocuprates(I) by Cu(II)/Cu(0) comproportionation; <i>Z. Anorg. Allg. Chem.</i> <b>2009</b> , <i>635</i> , 1139-1147. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.200900091">http://dx.doi.org/10.1002/zaac.200900091</a>
205	E. Redel, M. Walter, R. Thomann, C. Vollmer, L. Hussein, H. Scherer, M. Krüger, C. Janiak, Synthesis, stabilization, functionalization and DFT calculations of gold nanoparticles in fluororous phases (PTFE and ILs); <i>Chem. Eur. J.</i> <b>2009</b> , <i>15</i> , 10047-10059. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.200900301">http://dx.doi.org/10.1002/chem.200900301</a>
204	E. Redel, C. Röhr, C. Janiak,

	An inorganic starch-iodine model: The inorganic-organic hybrid compound $\{(C_4H_{12}N_2)_2[Cu^I I_4](I_2)\}_n$ ; <i>Chem. Commun.</i> <b>2009</b> , 2103-2105. (Journal inside cover) [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b820151j">http://dx.doi.org/10.1039/b820151j</a>
203	C. Janiak, A.-C. Chamayou, A. K. M. R. Uddin, M. Uddin, K. S. Hagen, M. Enamullah, Polymorphs, enantiomorphs, chirality and helicity in $[Rh\{N,O\}(\eta^4-cod)]$ complexes with $\{N,O\}$ = salicylaldiminato Schiff base or aminocarboxylato ligands; <i>Dalton Trans.</i> <b>2009</b> , 3698-3709. (Journal front cover). [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b820072f">http://dx.doi.org/10.1039/b820072f</a>
202	H. A. Habib, A. Hoffmann, H. A. Höppe, G. Steinfeld, C. Janiak, Crystal structure – solid-state cross polarization magic angle spinning $^{13}C$ NMR correlation in luminescent $d^{10}$ metal-organic frameworks constructed with the 1,2-bis(1,2,4-triazol-4-yl)ethane ligand; <i>Inorg. Chem.</i> <b>2009</b> , 48, 2166-2180. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic802069k">http://dx.doi.org/10.1021/ic802069k</a>
201	S. K. Henninger, H. A. Habib, C. Janiak, MOFs as adsorbents for low temperature heating and cooling applications; <i>J. Am. Chem. Soc.</i> <b>2009</b> , 131, 2776-2777. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ja808444z">http://dx.doi.org/10.1021/ja808444z</a>
200	H. A. Habib, J. Sanchiz, C. Janiak, Magnetic and luminescence properties of Cu(II), $Cu(II)_4O_4$ core and Cd(II) mixed-ligand metal-organic frameworks constructed from 1,2-bis(1,2,4-triazol-4-yl)ethane and benzene-1,3,5-tricarboxylate; <i>Inorg. Chim. Acta</i> <b>2009</b> , 362, 2452-2460. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2008.11.003">http://dx.doi.org/10.1016/j.ica.2008.11.003</a>
199	E. Redel, J. Krämer, R. Thomann, C. Janiak, Synthesis of Co, Rh and Ir nanoparticles from metal carbonyls in ionic liquids and their use as biphasic liquid-liquid hydrogenation nanocatalysts for cyclohexene; <i>J. Organomet. Chem.</i> <b>2009</b> , 694, 1069-1075. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.jorganchem.2008.09.050">dx.doi.org/10.1016/j.jorganchem.2008.09.050</a>
198	H. A. Habib, A. Hoffmann, H. A. Höppe, C. Janiak, Crystal structures and solid-state CPMAS $^{13}C$ NMR correlations in luminescent zinc(II) and cadmium(II) mixed-ligand coordination polymers constructed from 1,2-bis(1,2,4-triazol-4-yl)ethane and benzenedicarboxylate; <i>Dalton Trans.</i> <b>2009</b> , 1742-1751. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b812670d">dx.doi.org/10.1039/b812670d</a>
197	F. Blank, C. Janiak, Metal catalysts for the vinyl/addition polymerization of norbornene; <i>Coord. Chem. Rev.</i> <b>2009</b> , 253, 827-861. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ccr.2008.05.010">dx.doi.org/10.1016/j.ccr.2008.05.010</a>
<b>2008</b>	<a href="#">to the top</a>
196	J. Ruiz, V. Rodríguez, N. Cutillas, A. Hoffmann, A.-C. Chamayou, K. Kazmierczak, C. Janiak, Crystal structure – solid-state CPMAS $^{13}C$ NMR correlation in palladacycle pseudo-polymorphs and a vanishing polymorph; <i>CrystEngComm</i> <b>2008</b> , 10, 1928-1938. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b812012a">dx.doi.org/10.1039/b812012a</a>
195	Y. Yang, P. Yang, C. Zhang, G. Li, X.-J. Yang, B. Wu, C. Janiak, Synthesis, structure, and catalytic ethylene oligomerization of nickel complexes bearing 2-pyrazole substituted 1,10-phenanthroline ligands; <i>J. Mol. Catal. A: Chem.</i> <b>2008</b> , 296, 9-17. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.molcata.2008.08.015">dx.doi.org/10.1016/j.molcata.2008.08.015</a>
194	H. A. Habib, J. Sanchiz, C. Janiak, $^2_{\infty}[Cu_2(\mu_5-btb)(\mu-OH)(\mu-H_2O)]$ a two-dimensional coordination polymer built from ferromagnetically coupled $Cu_2$ units (btb = benzene-1,2,3-tricarboxylate); <i>Dalton Trans.</i> <b>2008</b> , 4877-4884. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b803813a">dx.doi.org/10.1039/b803813a</a>
193	W. Zhang, X. Tang, H. Ma, W.-H. Sun, C. Janiak, An analysis of Pd polymorphs: 2-[1-(2,6-diisopropylphenylimino)ethyl]pyridyl-palladium dibromide polymorphs originating from different $Br \cdots \pi$ and $C-H \cdots Br$ contacts;

	<i>Eur. J. Inorg. Chem.</i> <b>2008</b> , 2830-2836. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/ejic.200800260">dx.doi.org/10.1002/ejic.200800260</a>
192	H. A. Habib, C. Janiak, Benzene-1,3,5-tricarboxylic acid with 1,2-bis(1,2,4-triazol-4-yl)ethane–water (4/1/2); <i>Acta Cryst.</i> <b>2008</b> , E64, o1199. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1107/S1600536808015808">dx.doi.org/10.1107/S1600536808015808</a>
191	J. Krämer, E. Redel, R. Thomann, C. Janiak, Use of ionic liquids for the synthesis of Fe, Ru and Os nanoparticles from their metal carbonyl precursors; <i>Organometallics</i> <b>2008</b> , 27, 1976-1978. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/om800056z">http://dx.doi.org/10.1021/om800056z</a>
190	E. Redel, J. Krämer, R. Thomann, C. Janiak, Ionische Flüssigkeiten als Templat für Nanosynthesen; <i>GIT Labor Fachzeitschrift</i> 04/ <b>2008</b> , 400-403. [ <a href="#">pdf-file</a> ]
189	B. Wisser, A.-C. Chamayou, R. Miller, W. Scherer, C. Janiak, A chiral C <sub>3</sub> -symmetric hexanuclear triangular-prismatic copper(II) cluster derived from a highly modular dipeptidic N,N'-terephthaloyl-bis(S-aminocarboxylato) ligand; <i>CrystEngComm</i> <b>2008</b> , 10, 461-466. (hot paper, journal front cover) [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b717207a">http://dx.doi.org/10.1039/b717207a</a>
188	E. Redel, R. Thomann, C. Janiak, Use of ionic liquids (ILs) for the IL-anion size-dependent formation of Cr, Mo and W nanoparticles from metal carbonyl M(CO) <sub>6</sub> precursors; <i>Chem. Commun.</i> <b>2008</b> , 1789-1791. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b718055a">http://dx.doi.org/10.1039/b718055a</a>
187	B. Wu, J. Liang, J. Yang, C. Jia, X.-J. Yang, H. Zhang, N. Tang, C. Janiak, Sulfate ion encapsulation in caged supramolecular structures assembled by second-sphere coordination; <i>Chem. Commun.</i> <b>2008</b> , 1762-1764. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b719019k">http://dx.doi.org/10.1039/b719019k</a>
186	H. A. Habib, J. Sanchiz, C. Janiak, Mixed-ligand coordination polymers from 1,2-bis(1,2,4-triazol-4-yl)ethane and benzene-1,3,5-tricarboxylate: Trinuclear nickel or zinc secondary building units for three-dimensional networks with crystal-to-crystal transformation upon dehydration; <i>Dalton Trans.</i> <b>2008</b> , 1734-1744. (hot paper, <a href="#">journal front cover</a> ) [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b715812b">http://dx.doi.org/10.1039/b715812b</a>
185	E. Redel, R. Thomann, C. Janiak, First correlation of nanoparticle size-dependent formation with the ionic liquid anion molecular volume; <i>Inorg. Chem.</i> <b>2008</b> , 47, 14-16. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic702071w">http://dx.doi.org/10.1021/ic702071w</a>
<b>2007</b>	<a href="#">to the top</a>
184	V. Rusanov, H. Paulsen, L. H. Böttger, H. Winkler, J. A. Wonly, N. Koop, T. Dorn, C. Janiak, A. X. Trautwein, Mössbauer, nuclear inelastic scattering and density functional studies on the second metastable state of Na <sub>2</sub> [Fe(CN) <sub>5</sub> NO]·2H <sub>2</sub> O <i>Hyperfine Interact.</i> <b>2007</b> , 175, 141-150 (ISSN 0304-3843). [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1007/s10751-008-9598-8">http://dx.doi.org/10.1007/s10751-008-9598-8</a>
183b	Producing metal-containing nanoparticles, useful as catalyst, electrolyte or as sensor component, comprises introducing a metal carbonyl compound into an ionic liquid and decomposing the metal carbonyl compound; Patent Number(s): WO2009040107-A2 ; DE102007045878-A1 ; DE102007045878-B4 ; WO2009040107-A3 Inventor(s): T. F. Beyersdorff, C. Janiak, M. Klingele, E. Redel, T. Schubert, M. H. Klingele, Patent Assignee Name(s) and Code(s): UNIV FREIBURG ALBERT-LUDWIGS (UYFR-Non-standard)



	<p>IOLITEC (IOLI-Non-standard)  IOLITEC IONIC LIQUID TECHNOLOGIES GMBH (IOLI-Non-standard)</p> <p>C. Janiak, E. Redel, M. Klingele, T. F. Beyersdorf, T. J. S. Schubert,  Verfahren zur Herstellung von metallhaltigen Nanopartikeln;  DE-Patent DE 10 2007 045 878.0 (25. 09. 2007) (Univ. Freiburg und Firma IOLITEC).  PCT/EP-Patentanmeldung, PCT/EP2008/008084 (30.09.2008). <a href="#">[pdf-file]</a></p>
183a	<p>Preparing and stabilizing functional metal nanoparticle comprises reduction of soluble metal salts with hydrogen in ionic fluids, where the particle size of obtained nanoparticle is adjustable by variation of anions of the ionic fluids;  Patent Number(s): DE102007038879-A1; WO2009024312-A2; WO2009024312-A3  Inventor(s): T. Beyersdorff, C. Janiak, M. Klingele, E. Redel, T. Schubert,  Patent Assignee Name(s) and Code(s): UNIV FREIBURG ALBERT-LUDWIGS (UYFR-Non-standard)  IOLITEC IONIC LIQUID TECHNOLOGIES GMBH  IOLITEC IONIC LIQUIDS TECHNOLOGIES GMBH</p> <p>C. Janiak, E. Redel, M. Klingele, T. F. Beyersdorf, T. J. S. Schubert,  Verfahren zur Herstellung und Stabilisierung von funktionellen Metallnanopartikeln in ionischen Flüssigkeiten;  DE-Patentanmeldung, DE 10 2007 038 879.0 (Anmeldetag: 17. 08. 2007, Offenlegungstag: 19. 02. 2009) (Univ. Freiburg und Firma IOLITEC).  PCT/EP-Patentanmeldung, PCT/EP2008/006768 (23.10.2008), Veröffentlichung: 26. 02. 2009, WO2009/024312. <a href="#">[pdf-file]</a></p>
182	<p>C. Janiak,  Nichtmetallchemie – Grundlagen und Anwendungen, 3. Auflage, ein Lehrbuch, Shaker Verlag (ISBN 978-3-8322-4612-9), Aachen <b>2007</b>, 287 Seiten.</p>
181	<p>C. Janiak,  Kapitel 3: Komplex-/Koordinationschemie und Kapitel 4: Organometallchemie  in E. Riedel (Hrsg.), R. Alsasser, C. Janiak, T. M. Klapötke, H.-J. Meyer,  <i>Moderne Anorganische Chemie</i>, 3. Auflage, Walter de Gruyter, Berlin (ISBN 978-3-11-019060-1) <b>2007</b>.</p>
180	<p>E. Riedel, C. Janiak,  <i>Anorganische Chemie</i> (mit DVD), 7. Auflage, Walter de Gruyter, Berlin (ISBN 978-3-11-018903-2) <b>2007</b>.</p>
179	<p>B. Wu, X. Huang, Y. Xia, X.-J. Yang, C. Janiak,  Oxo-anion binding by protonated (dimethylphenyl)(pyridyl)ureas  <i>CrystEngComm</i> <b>2007</b>, 9, 676-685. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/b702278f">http://dx.doi.org/10.1039/b702278f</a></p>
178	<p>H. H. Monfared, Z. Kalantari, M.-A. Kamyabi, C. Janiak,  Synthesis, Structural Characterization and Electrochemical Studies of a Nicotinamide-bridged Dinuclear Copper Complex derived from a Tridentate Hydrazone Schiff Base Ligand;  <i>Z. Anorg. Allg. Chem.</i> <b>2007</b>, 633, 1945-1948. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/zaac.200700238">http://dx.doi.org/10.1002/zaac.200700238</a></p>
177	<p>B. Wisser, C. Janiak,  Chiral Metal Complexes With the Biologically Active (+)-Pilocarpine Ligand: [MCl<sub>2</sub>(κN-(+)-pilocarpine)<sub>2</sub>] (M = Co, Cu);  <i>Z. Anorg. Allg. Chem.</i> <b>2007</b>, 633, 1796-1800. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/zaac.200700120">http://dx.doi.org/10.1002/zaac.200700120</a></p>
176	<p>A.-C. Chamayou, C. Biswas, C. Janiak, A. Ghosh,  Tris(2,2'-bipyridine-κ<sup>2</sup>N,N')copper(II) bis(tetrafluoridoborate);  <i>Acta Cryst.</i> <b>2007</b>, E63, m1936-m1937. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1107/S1600536807028863">http://dx.doi.org/10.1107/S1600536807028863</a></p>
175	<p>C. Janiak, E. Redel,</p>

	Speziationsanalytik von Eisenverbindungen: Polarographische Eisen(II)-/Eisen(III)-Speziesanalyse in gemischtvalenten Eisenphosphaten; <i>GIT Labor-Fachzeitschrift</i> <b>2007</b> , 51, 397-399. <a href="#">[pdf-file]</a>
174	B. Wisser, Y. Lu, C. Janiak, Chiral Coordination Polymers with Amino Acids: $^2_{\infty}[\text{Cu}_2(\mu\text{-L-tryptophanato})_2(\mu\text{-4,4'}$ - bipyridine)(H <sub>2</sub> O) <sub>2</sub> ](NO <sub>3</sub> ) <sub>2</sub> ; <i>Z. Anorg. Allg. Chem.</i> <b>2007</b> , 633, 1189-1192. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/zaac.200700088">http://dx.doi.org/10.1002/zaac.200700088</a>
173	B. Wisser, C. Janiak, Redetermination of <i>trans</i> -diaquatetramethanolcobalt(II) bis( <i>rac</i> -1,1'-binaphthalene-2,2'-diylphosphate) methanol disolvatemonohydrate: a two-dimensional supramolecular hydrogen-bonded network; <i>Acta Cryst.</i> <b>2007</b> , E63, m1732-m1733. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1107/S1600536807024166">http://dx.doi.org/10.1107/S1600536807024166</a>
172	B. Wisser, C. Janiak, (5,5'-Diamino-2,2'-bipyridin-1,1'-dium) bis(5,5'-diamino-2,2'-bipyridin-1-ium) tetrakis( <i>rac</i> -1,1'- binaphthalene-2,2'-diyl phosphate) hexahydrate: a two-dimensional supramolecular hydrogen-bonded network; <i>Acta Cryst.</i> <b>2007</b> , E63, o2871-o2872. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1107/S1600536807021794">http://dx.doi.org/10.1107/S1600536807021794</a>
171	M. Enamullah, A. K. M. R. Uddin, A.-C. Chamayou, C. Janiak, Syntheses, Spectroscopy and Crystal Structures of <i>R-N</i> -(1-Aryl-ethyl)salicylaldimine and [Rh{ <sup>⊖</sup> - <i>N</i> -(1- Aryl-ethyl)salicylaldiminato}(η <sup>4</sup> -cod)] Complexes; <i>Z. Naturforsch.</i> <b>2007</b> , 62b, 807-817. <a href="#">[pdf-file]</a> <a href="http://www.znaturforsch.com/rb/s62b0807.pdf">http://www.znaturforsch.com/rb/s62b0807.pdf</a>
170	H. H. Monfared, O. Pouralimardan, C. Janiak, Synthesis and spectral characterization of hydrazone Schiff bases derived from 2,4- dinitrophenylhydrazine. Crystal structure of salicylaldehyde-2,4-dinitrophenylhydrazone; <i>Z. Naturforsch.</i> <b>2007</b> , 62b, 717-720. <a href="#">[pdf-file]</a> <a href="http://www.znaturforsch.com/rb/s62b0717.pdf">http://www.znaturforsch.com/rb/s62b0717.pdf</a>
169	O. Pouralimardan, A.-C. Chamayou, C. Janiak, H. H. Monfared, Hydrazone Schiff base-manganese(II) complexes: synthesis, crystal structure and catalytic reactivity; <i>Inorg. Chim. Acta</i> <b>2007</b> , 360, 1599-1608. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.ica.2006.08.056">http://dx.doi.org/10.1016/j.ica.2006.08.056</a>
168	G. Siedle, P.-G. Lassahn, V. Lozan, C. Janiak, B. Kersting, Coordination Chemistry of Dinucleating P <sub>2</sub> N <sub>2</sub> S Ligands: Preparation and Characterization of Cationic Palladium Complexes; <i>Dalton Trans.</i> <b>2007</b> , 52-61. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/b613789j">http://dx.doi.org/10.1039/b613789j</a>
<b>2006</b>	<a href="#">to the top</a>
167	C. Janiak, Metallocene Catalysts; Kirk-Othmer Encyclopedia of Chemical Technology (5 <sup>th</sup> Edition), John Wiley & Sons, Inc., Hoboken, <b>2006</b> 16, 79-125. <a href="#">[pdf-file]</a>
166	G. Althoff, J. Ruiz, V. Rodríguez, G. López, J. Pérez, C. Janiak, Can a single C–H···F–C hydrogen bond make a difference? Assessing the H···F bond strength from 2- D <sup>1</sup> H- <sup>19</sup> F CP/MAS NMR; <i>CrystEngComm</i> <b>2006</b> , 8, 662-665. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/b610718b">http://dx.doi.org/10.1039/b610718b</a>
165	C. Janiak, P.-G. Lassahn, V. Lozan, Metal complexes for the vinyl addition polymerization of norbornene: New compound classes and activation mechanism with B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> /AlEt <sub>3</sub> ; <i>Macromol. Symp.</i> <b>2006</b> , 236, 88-99. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/masy.200690071">http://dx.doi.org/10.1002/masy.200690071</a>
164	C. Janiak, P.-G. Lassahn, <sup>19</sup> F NMR investigations of the reaction of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> with different tri(alkyl)aluminum compounds;

	<i>Macromol. Symp.</i> <b>2006</b> , 236, 54-62. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/masy.200690067">http://dx.doi.org/10.1002/masy.200690067</a>
163	C. Janiak, F. Blank, Metallocene catalysts for olefin oligomerization; <i>Macromol. Symp.</i> <b>2006</b> , 236, 14-22. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/masy.200690047">http://dx.doi.org/10.1002/masy.200690047</a>
162	K. Abu-Shandi, H. Winkler, C. Janiak, Structure and Mössbauer Study of the First Mixed-Valence Iron Diphosphonate: ${}^2_{\infty}[\{\text{Fe}^{\text{II}}(\text{H}_2\text{O})_2\}\{\text{Fe}^{\text{III}}\text{Cl}\}_2(\mu_4\text{-O}_3\text{P-C}(\text{OH})\{(\text{CH}_2)_4\text{NH}_3\}\text{-PO}_3)_2]\cdot 4\text{H}_2\text{O}$ ; <i>Z. Anorg. Allg. Chem.</i> <b>2006</b> , 632, 629-633. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/zaac.200500483">http://dx.doi.org/10.1002/zaac.200500483</a>
161	M. Enamullah, A. Sharmin, M. Hasegawa, T. Hoshi, A.-C. Chamayou, C. Janiak, Syntheses, Spectroscopic Studies and Crystal Structures of Chiral [Rh(aminocarboxylato)( $\eta^4$ -cod)] and Chiral [Rh(amino alcohol)( $\eta^4$ -cod)](acetate) Complexes with an Example of a Spontaneous Resolution of a Racemic Mixture into Homo-Chiral Helix-Enantiomers; <i>Eur. J. Inorg. Chem.</i> <b>2006</b> , 2146-2154. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/ejic.200501033">http://dx.doi.org/10.1002/ejic.200501033</a>
160	T. Dorn, K. M. Fromm, C. Janiak, $\{\text{Ag}(\text{isonicotinamide})_2\text{NO}_3\}_2$ – a stable form of silver nitrate; <i>Aust. J. Chem.</i> <b>2006</b> , 59, 22-25. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1071/CH05270">http://dx.doi.org/10.1071/CH05270</a>
159	T. Dorn, A.-C. Chamayou, C. Janiak, Hydrophilic interior between hydrophobic regions in inverse bilayer structures of cation-1,1'-binaphthalene-2,2'-diyl phosphate salts; <i>New J. Chem.</i> <b>2006</b> , 30, 156-167. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/b510617f">http://dx.doi.org/10.1039/b510617f</a>
158	C. Janiak, Metallocene and related catalysts for olefin, alkyne and silane dimerization and oligomerization; <i>Coord. Chem. Rev.</i> <b>2006</b> , 250, 66-94. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.ccr.2005.02.016">http://dx.doi.org/10.1016/j.ccr.2005.02.016</a>
<b>2005-2001 <a href="#">to the top</a></b>	
157	K. Abu-Shandi, C. Janiak, [Bis(3-ammonium-1-hydroxypropylidene-1,1-bisphosphonato)iron(II)]: The $\text{Fe}^{2+}$ Salt of Pamidronate, a Clinically Effective Diphosphonate ligand; <i>Z. Naturforsch.</i> <b>2005</b> , 60b, 1250-1254. <a href="#">[pdf-file]</a>
156	C. Janiak, <i>Nichtmetallchemie – Grundlagen und Anwendungen</i> , 2. Auflage, ein Lehrbuch, Shaker Verlag (ISBN 3-8265-8635-2), Aachen <b>2005</b> , 287 Seiten.
155	T. Dorn, C. Janiak, K. Abu-Shandi, Hydrogen-bonding, $\pi$ -stacking and $\text{Cl}^-$ anion- $\pi$ interactions of linear bipyridinium cations with phosphate, chloride and $[\text{CoCl}_4]^{2-}$ anions; <i>CrystEngComm</i> <b>2005</b> , 7, 633-641. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1039/b508944a">http://dx.doi.org/10.1039/b508944a</a>
154	S. Banerjee, P.-G. Lassahn, C. Janiak, A. Ghosh, Supramolecular architecture of cadmium(II)-terephthalate complexes having a tridentate or tetradentate Schiff base as blocking coligand; <i>Polyhedron</i> <b>2005</b> , 24, 2963-2971. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/j.poly.2005.06.038">http://dx.doi.org/10.1016/j.poly.2005.06.038</a>
153	K. Abu-Shandi, H. Winkler, H. Paulsen, R. Glaum, B. Wu, C. Janiak, Channel-Containing Criss-Crossed and Hydrogen-Bonded One-Dimensional Coordination Polymers of Iron(III) and (II) with 4,4'-Bipyridine: Hydrothermal Syntheses, Structures, Absorption and Mössbauer Studies Showing Spin Crossover for the Iron(III) Polymer; <i>Z. Anorg. Allg. Chem.</i> <b>2005</b> , 631, 2705-2714. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/zaac.200500112">http://dx.doi.org/10.1002/zaac.200500112</a>
152	R. Carballo, B. Covelo, E. M. Vazquez-López, E. García-Martínez, A. Castiñeiras, C. Janiak,

	Hydrothermal Synthesis, Crystal Structures and Effect of Non Bonding Interactions in Crystal Packing of Two Mixed-Ligand Metal Complexes with Glycolato and 2,2'-Dipiridylamine and with Benzilato and Imidazole; <i>Z. Anorg. Allg. Chem.</i> <b>2005</b> , 631, 2006-2010. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.200570007">http://dx.doi.org/10.1002/zaac.200570007</a>
151	B. Paul, C. Näther, K. M. Fromm, C. Janiak, Chiral <i>S</i> -1,1'-bi-2-naphthol ( <i>S</i> -BINOL) as a synthon for supramolecular hydrogen-bonded $\{(S\text{-BINOLAT}^{n-})(S\text{-BINOL})_n\}$ -strands with naphthyl-paneled cavities or channels for a $[\text{Cd}(\text{NH}_3)_4]^{2+}$ -fragment ( $n = 2$ ) or $[\text{Ag}(\text{NH}_3)_2]^+$ ( $n = 1$ ) (Part 2); <i>CrystEngComm</i> <b>2005</b> , 7, 309-319. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b502202a">http://dx.doi.org/10.1039/b502202a</a>
150	S. Banerjee, A. Ghosh, B. Wu, P.-G. Lassahn, C. Janiak, Polymethylene spacer regulated structural divergence in cadmium complexes: Unusual trigonal prismatic and severely distorted octahedral coordination; <i>Polyhedron</i> <b>2005</b> , 24, 593-599. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.poly.2005.01.005">http://dx.doi.org/10.1016/j.poly.2005.01.005</a>
149	X.-J. Yang, F. Drepper, B. Wu, W.-H. Sun, W. Haehnel, C. Janiak, From model compounds to protein binding: Syntheses, characterizations and fluorescence studies of $[\text{Ru}^{\text{II}}(\text{bipy})(\text{terpy})\text{L}]^{2+}$ complexes (bipy = 2,2'-bipyridine; terpy = 2,2':6',2''-terpyridine; L = imidazole, pyrazole and derivatives, cytochrome <i>c</i> ); <i>Dalton Trans.</i> <b>2005</b> , 256-267. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b414999h">http://dx.doi.org/10.1039/b414999h</a>
148	B. Wu, C. Janiak, The Structure of <i>cis</i> -[Chloro(dimethylsulfoxide)bis(1,10-phenanthroline)ruthenium(II)]-tetraphenylborate, $[\text{RuCl}(\text{DMSO})(1,10\text{-phen})_2]\text{BPh}_4$ ; <i>Z. Anorg. Allg. Chem.</i> <b>2005</b> , 631, 17-18. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.200400387">http://dx.doi.org/10.1002/zaac.200400387</a>
147	S. Banerjee, B. Wu, P.-G. Lassahn, C. Janiak, A. Ghosh, Synthesis, structure and bonding of cadmium(II) thiocyanate systems featuring nitrogen based ligands of different denticity; <i>Inorg. Chim. Acta</i> <b>2005</b> , 358, 535-544. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.ica.2004.07.048">http://dx.doi.org/10.1016/j.ica.2004.07.048</a>
<b>2004</b>	<a href="#">to the top</a>
146	B. Paul, C. Näther, B. Walfort, K. M. Fromm, B. Zimmermann, H. Lang, C. Janiak, Molecular paneling of <i>rac</i> -1,1'-bi-2-naphthol/~ate (BINOL/BINOLAT): hydrogen-bonded assembly of $[\text{M}(\text{NH}_3)_{4 \text{ or } 6}]^{2+}$ complexes (M = Ni, Zn, Cd) in cavities of $\{[\text{BINOLAT}]^{2-}(\text{BINOL})_2\}$ -strands; <i>CrystEngComm</i> <b>2004</b> , 6, 293-297. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b410933c">http://dx.doi.org/10.1039/b410933c</a>
145	B. Paul, B. Zimmermann, K. M. Fromm, C. Janiak, $^1_{\infty}[\text{M}(\mu\text{-O}_2\text{C-C}_6\text{H}_4\text{-CO}_2)(\text{NH}_3)_2]$ (M = Cu, Cd; $\text{O}_2\text{C-C}_6\text{H}_4\text{-CO}_2$ = benzene-1,4-dicarboxylate, terephthalate): 1D Coordination Polymers with Strong Inter-chain Hydrogen Bonding; <i>Z. Anorg. Allg. Chem.</i> <b>2004</b> , 630, 1650-1654. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.200400240">http://dx.doi.org/10.1002/zaac.200400240</a>
144	X.-J. Yang, B. Wu, C. Janiak, W.-H. Sun, H.-M. Hu, Second-Sphere Coordination of the Tris(5,5'-diamino-2,2-bipyridine)iron Complex With Arene-Carboxylate Ligands Through N-H...O Hydrogen Bonding; <i>Z. Anorg. Allg. Chem.</i> <b>2004</b> , 630, 1564-1572. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.200400175">http://dx.doi.org/10.1002/zaac.200400175</a>
143	B. Krieg, C. Janiak <i>Chemie für Mediziner und Studierende anderer Life Sciences</i> , de Gruyter (ISBN 3-11017999-7), 7.Auflage, Berlin <b>2004</b> .
142	C. Janiak, Trendbericht (Jahresrückblick) Koordinationschemie; <i>Nachrichten aus der Chemie</i> <b>2004</b> , 52, 251-255. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/nadc.20040520306">http://dx.doi.org/10.1002/nadc.20040520306</a>
141	X.-J. Yang, B. Wu, C. Janiak,

	Self host-guest network through molecular paneling of <i>para</i> -nitrophenolate: hydrogen-bonded assembly of three tris(5,5'-diamino-2,2'-bipyridine)iron complexes in the crystallographic asymmetric unit; <i>CrystEngComm</i> <b>2004</b> , 6, 126-129. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b404151h">http://dx.doi.org/10.1039/b404151h</a>
140	P.-G. Lassahn, V. Lozan, G. A. Timco, P. Christian, C. Janiak, R. E. P. Winpenny, Homo- and heterometallic carboxylate cage complexes as pre-catalysts for olefin polymerization – activity enhancement through "inert metals"; <i>J. Catalysis</i> <b>2004</b> , 222, 260-267. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/j.jcat.2003.10.028">http://dx.doi.org/10.1016/j.jcat.2003.10.028</a>
<b>2003</b>	<a href="#">to the top</a>
139	C. Janiak; Jun, Seong Ho; Kim, Heon; Kim, Won Guk; P. G. Lassahn, Lim, Tae Seon; Oh, Jae Seung; Yoon, Seong Cheol, Late transition metal catalyst for preparing cyclic olefin polymers. <u>KR-Patentanmeldung</u> Repub. Korean Kongkae Taeho Kongbo (13. 9. 2003), (LG CHEMICAL LTD) CODEN: KRXXA7 KR 2003072085 A 20030913 CAN 142:261926 AN 2004:973891 Classification international: C08F4/60; C08F4/00; (IPC1-7): C08F4/60.
138	V. Lozan, P.-G. Lassahn, C. Zhang, B. Wu, C. Janiak, G. Rheinwald, H. Lang, Dinuclear Nickel(II) and Palladium(II) Complexes in Combination With Different Co-Catalysts as Highly Active Catalysts for the Vinyl/Addition Polymerization of Norbornene; <i>Z. Naturforsch. B</i> <b>2003</b> , 58, 1152-1164. [ <a href="#">pdf-file</a> ] <a href="http://znaturforsch.com/ab/v58b/s58b1152.pdf">http://znaturforsch.com/ab/v58b/s58b1152.pdf</a>
137	G. Vujevic, C. Janiak, Structural Studies of Bis(cyclopentadienyl)molybdenum–Amino Acid Complexes; <i>Z. Anorg. Allg. Chem.</i> <b>2003</b> , 629, 2585-2590. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.200300278">http://dx.doi.org/10.1002/zaac.200300278</a>
136	P.-G. Lassahn, C. Tzschucke, W. Bannwarth, C. Janiak, Transfer of the Fluorous Biphasic Concept to the Palladium-Catalyzed Addition Polymerization of Norbornene; <i>Z. Naturforsch. B</i> <b>2003</b> , 58, 1063-1068. [ <a href="#">pdf-file</a> ] <a href="http://znaturforsch.com/ab/v58b/s58b1063.pdf">http://znaturforsch.com/ab/v58b/s58b1063.pdf</a>
135	E. Craven, C. Zhang, C. Janiak, G. Rheinwald, H. Lang, Synthesis, Structure and Solution Chemistry of (5,5'-Dimethyl-2,2'-bipyridine)(IDA)copper(II) and Structural Comparison With Aqua(IDA) (1,10-phenanthroline)copper(II) (IDA = iminodiacetato); <i>Z. Anorg. Allg. Chem.</i> <b>2003</b> , 629, 2282-2290. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.200300223">http://dx.doi.org/10.1002/zaac.200300223</a>
134	C. Janiak, Kapitel 2: Koordinationschemie und Kapitel 4: Organometallchemie in E. Riedel (Hrsg.), C. Janiak, T. M. Klapötke, H.-J. Meyer, <i>Moderne Anorganische Chemie - ein Lehrbuch</i> , de Gruyter (ISBN 3-11-017838-9), 2. Auflage, Berlin, <b>2003</b> .
133	P.-G. Lassahn, V. Lozan, B. Wu, A. S. Weller, C. Janiak, Dihalogeno(diphosphane)metal(II) complexes (metal = Co, Ni, Pd) as pre-catalysts for the vinyl/addition polymerization of norbornene – elucidation of the activation process with B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> /AlEt <sub>3</sub> or Ag[ <i>closo</i> -1-CB <sub>11</sub> H <sub>12</sub> ] and evidence for the <i>in situ</i> formation of "naked" Pd <sup>2+</sup> as highly active species; <i>Dalton Trans.</i> <b>2003</b> , 4437-4450. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b302937a">http://dx.doi.org/10.1039/b302937a</a>
132	K. Abu-Shandi, H. Winkler, M. Gerdan, F. Emmerling, B. Wu, C. Janiak, Mixed-valence phosphato-hydrogenphosphato-iron network compounds <sup>1</sup> <sub>∞</sub> {[C <sub>4</sub> N <sub>2</sub> H <sub>11.6</sub> ] <sub>1.5</sub> [Fe <sup>II</sup> Fe <sup>III</sup> (PO <sub>4</sub> )(H <sub>0.8</sub> PO <sub>4</sub> ) <sub>2</sub> ]·H <sub>2</sub> O} and <sup>3</sup> <sub>∞</sub> [Fe <sup>II</sup> <sub>5</sub> Fe <sup>III</sup> <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> (H <sub>0.5</sub> PO <sub>4</sub> ) <sub>4</sub> ]: Structure elucidation with the help of Mössbauer spectroscopy and a caveat on X-ray diffraction; <i>Dalton Trans.</i> <b>2003</b> , 2815-2823. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b301610b">http://dx.doi.org/10.1039/b301610b</a>
131	C. Janiak, Engineering coordination polymers towards applications (Dalton perspective);

	<i>Dalton Trans.</i> <b>2003</b> , 2781-2804. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b305705b">http://dx.doi.org/10.1039/b305705b</a>
130	K. Abu-Shandi, H. Winkler, B. Wu, C. Janiak, Open-framework iron phosphates: Syntheses, structures, sorption studies and oxidation catalysis; <i>CrystEngComm</i> <b>2003</b> , 5, 180-189. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b303498d">http://dx.doi.org/10.1039/b303498d</a>
129	B. Wu, X.-J. Yang, C. Janiak, P.-G. Lassahn, Large size anion binding with iron(II) complexes of a 5,5'-disubstituted-2,2'-bipyridine ligand; <i>Chem. Commun.</i> <b>2003</b> , 902-903. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b211616b">http://dx.doi.org/10.1039/b211616b</a>
128	C. Janiak, Trendbericht (Jahresrückblick) Koordinationschemie; <i>Nachrichten aus der Chemie</i> <b>2003</b> , 51, 266-272. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/nadc.20030510306">http://dx.doi.org/10.1002/nadc.20030510306</a>
127	C. Janiak, T. G. Scharmann, Supramolecular C-H...O, C-H...N and C-H...Cl interactions in metal compounds with multi-topic poly(pyrazolyl)borate ligands; <i>Polyhedron</i> <b>2003</b> , 22, 1123-1133. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/S0277-5387(03)00098-6">http://dx.doi.org/10.1016/S0277-5387(03)00098-6</a>
126	P.-G. Lassahn, V. Lozan, C. Janiak, Palladium(II) salts containing [PdCl <sub>4</sub> ] <sup>2-</sup> and [Pd <sub>2</sub> Cl <sub>6</sub> ] <sup>2-</sup> ions as pre-catalysts for the vinyl-polymerization of norbornene – evidence for the <i>in-situ</i> formation of PdCl <sub>2</sub> as the active species; <i>Dalton Trans.</i> <b>2003</b> , 927-935. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/b209633a">http://dx.doi.org/10.1039/b209633a</a>
125	X.-J. Yang, B. Wu, W.-H. Sun, C. Janiak, Second-sphere coordination of 5,5'-diamino-2,2'-bipyridine metal complexes with oxygen ligands through N-H...O hydrogen bonding; <i>Inorg. Chim. Acta</i> <b>2003</b> , 343, 366-372. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/S0020-1693(02)01258-6">http://dx.doi.org/10.1016/S0020-1693(02)01258-6</a>
124	E. Craven, K. Abu-Shandi, C. Janiak, Correlation between Solution and the Solid State: The pH Dependent Composition in the Ternary System [Co(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> or [Ni(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> /Piperazine/Phosphate; <i>Z. Anorg. Allg. Chem.</i> <b>2003</b> , 629, 195-201. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/zaac.200390031">http://dx.doi.org/10.1002/zaac.200390031</a>
<b>2002</b>	<a href="#">to the top</a>
123	C. Janiak, T. G. Scharmann, S. A. Mason, Two-Dimensional Water and Ice Layers: Neutron Diffraction Studies at 278, 263, and 20 K; <i>J. Am. Chem. Soc.</i> <b>2002</b> , 124 (47), 14010-14011. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ja0274608">http://dx.doi.org/10.1021/ja0274608</a>
122	C. Janiak, Mitarbeit bei der 5. Aufl. von E. Riedel, <i>Anorganische Chemie</i> , de Gruyter, Berlin, <b>2002</b> .
121	C. Janiak, Metallocene Catalysts; <i>Kirk-Othmer Encyclopedia of Chemical Technology Online Edition</i> <b>2002</b> , Article Posting Date October 18, 2002, <a href="http://dx.doi.org/10.1002/0471238961.1305200110011409.a01">http://dx.doi.org/10.1002/0471238961.1305200110011409.a01</a> , <i>Kirk-Othmer Encyclopedia of Chemical Technology</i> , Volume 16, 5 <sup>th</sup> Edition, Wiley, <b>2005</b> , p. pp. 79-125(ISBN: 978-0-471-48507-0).
120	B. Berchtold, V. Lozan, P.-G. Lassahn, C. Janiak, Nickel(II) and Palladium(II) Complexes with $\alpha$ -Dioxime Ligands as Catalysts for the Vinyl Polymerization of Norbornene in Combination with MAO, B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> or TEA Cocatalyst Systems; <i>J. Polym. Sci. Part A: Polym. Chem.</i> <b>2002</b> , 40, 3604-3614. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/pola.10450">http://dx.doi.org/10.1002/pola.10450</a>
119	C. Zhang, G. Rheinwald, V. Lozan, B. Wu, P.-G. Lassahn, H. Lang, C. Janiak, Structural Study and Solution Integrity of Dioxomolybdenum(VI) Complexes with Tridentate Schiff

	Base and Azole Ligands; <i>Z. Anorg. Allg. Chem.</i> <b>2002</b> , 628, 1259-1268. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/1521-3749(200206)628:6&lt;1259::AID-ZAAC1259&gt;3.0.CO;2-Q">http://dx.doi.org/10.1002/1521-3749(200206)628:6&lt;1259::AID-ZAAC1259&gt;3.0.CO;2-Q</a>
118	H. Paulsen, V. Rusanov, R. Benda, C. Herta, V. Schünemann, C. Janiak, T. Dorn, A. I. Chumakov, H. Winkler, A. X. Trautwein, Metastable Isonitrosyl Structure of the Nitroprusside Anion Confirmed by Nuclear Inelastic Scattering; <i>J. Am. Chem. Soc.</i> <b>2002</b> , 124, 3007-3011. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1021/ja016239c">http://dx.doi.org/10.1021/ja016239c</a>
117	C. Janiak, Trendbericht (Jahresrückblick) Koordinationschemie; <i>Nachrichten aus der Chemie</i> <b>2002</b> , 50 (3), 267-273. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/nadc.20020500306">http://dx.doi.org/10.1002/nadc.20020500306</a>
116	E. Craven, E. Mutlu, D. Lundberg, S. Temizdemir, S. Dechert, H. Brombacher, C. Janiak, Thallium(I) complexes with modified poly(pyrazolyl)borate ligands — metal-ligand coordination and crystal packing; <i>Polyhedron</i> <b>2002</b> , 21, 553-561. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/S0277-5387(01)01026-9">http://dx.doi.org/10.1016/S0277-5387(01)01026-9</a>
115	C. Janiak, P.-G. Lassahn, Concentration effects of methylalumoxane, palladium and nickel pre-catalyst and monomer in the vinyl polymerization of norbornene; <i>Polym. Bull.</i> <b>2002</b> , 47, 539-546. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1007/s002890200019">http://dx.doi.org/10.1007/s002890200019</a>
114	C. Janiak, K. C. H. Lange, P. Marquardt, Alkyl-Substituted Cyclopentadienyl- and Phospholyl-Zirconium/MAO Catalysts for Propene and 1-Hexene Oligomerization; <i>J. Mol. Catal. A: Chem.</i> <b>2002</b> , 180, 43-58. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/S1381-1169(01)00407-1">http://dx.doi.org/10.1016/S1381-1169(01)00407-1</a>
113	P.-G. Lassahn, C. Janiak, J.-S. Oh, Borane Activators for Late-Transition Metal Catalysts in Norbornene polymerization; <i>Macromol. Rapid Commun.</i> <b>2002</b> , 23, 16-20. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/1521-3927(20020101)23:1&lt;16::AID-MARC16&gt;3.0.CO;2-K">http://dx.doi.org/10.1002/1521-3927(20020101)23:1&lt;16::AID-MARC16&gt;3.0.CO;2-K</a>
112	C. Janiak, K. C. H. Lange, P. Marquardt, R.-P. Krüger, R. Hanselmann, Analyses of Propene and 1-Hexene Oligomers from Zirconocene/MAO Catalysts — Mechanistic Implications by NMR, SEC, and MALDI-TOF MS; <i>Macromol. Chem. Phys.</i> <b>2002</b> , 203, 129-138. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/1521-3935(20020101)203:1&lt;129::AID-MACP129&gt;3.0.CO;2-C">http://dx.doi.org/10.1002/1521-3935(20020101)203:1&lt;129::AID-MACP129&gt;3.0.CO;2-C</a>
<b>2001</b>	<a href="#">to the top</a>
111	J. Sun, C. Janiak (Herausgeber), <i>Advances on Organometallic Catalysts and Olefin Polymerization in China and Germany</i> , Chemical Industry Press (ISBN 7-5025-3465-2), Beijing <b>2001</b> , 255 pages.
110	C. Janiak, K. C. H. Lange, P. Marquardt, R.-P. Krüger, R. Hanselmann, Propene and 1-Hexene Oligomerization with Unbridged Alkyl-Substituted Cyclopentadienyl- and Phospholyl-Zirconium/MAO Catalysts — Mechanistic Implications from Oligomer Analyses by NMR, SEC, and MALDI-TOF MS; in <i>Advances on Organometallic Catalysts and Olefin Polymerization in China and Germany</i> (J. Sun, C. Janiak, Hrsg.), Chemical Industry Press, Beijing <b>2001</b> , Chapter 12, p. 117-142.
109	P. G. Lassahn, C. Janiak, J.-S. Oh, Borane activators for nickel catalysts for olefin polymerization; <i>Z. Naturforsch. B</i> <b>2001</b> , 56, 1289-1292. <a href="#">[pdf-file]</a>

108	C. Zhang, C. Janiak, H. Brombacher, Structural Influence of Hydrogen Bonding and $\pi$ -Stacking in trans-Diazido-tetrakis(pyrazole)nickel(II) and trans-Diazido-tetrakis(3-methylpyrazole)nickel(II); <i>Z. Naturforsch. B</i> <b>2001</b> , 56, 1205-1208. <a href="#">[pdf-file]</a>
107	K. Abu-Shandi, C. Janiak, B. Kersting, Diaquabis(4,4'-bipyridine- <i>N</i> )bis(dihydrogenphosphato- <i>O</i> )copper(II): blocking extended metal-ligand coordination by hydrogen bonding; <i>Acta Crystallogr. C</i> <b>2001</b> , 57, 1261-1264. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1107/S0108270101012914">http://dx.doi.org/10.1107/S0108270101012914</a>
106	C. Janiak, Proteinentfernung von Kontaktlinsen; <i>Chemie in unserer Zeit</i> <b>2001</b> , 35, 348-354. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/1521-3781(200112)35:6&lt;348::AID-CIUZ348&gt;3.0.CO;2-F">http://dx.doi.org/10.1002/1521-3781(200112)35:6&lt;348::AID-CIUZ348&gt;3.0.CO;2-F</a>
105	C. Janiak <i>Moderne Nichtmetallchemie – Grundlagen und Anwendungen</i> , ein Lehrbuch, Shaker Verlag (ISBN 3-8265-8635-2), Aachen <b>2001</b> , 281 Seiten.
104	C. Zhang, C. Janiak, A Carboxylato Supported Alkoxo Bridged Dimanganese(III) Complex: bis( $\mu$ -benzoato-O:O')-bis(2-(6-methoxy)salicylideneamino-3-propanolato-N,O'',O''':O''')-dimanganese(III); (Cover Picture of the issue) <i>Acta Crystallogr. C</i> <b>2001</b> , 57, 719-720. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1107/S0108270101005790">http://dx.doi.org/10.1107/S0108270101005790</a>
103	C. Zhang, C. Janiak, Synthesis and crystal structure of manganese(II) bipyridine carboxylato complexes: [(bipy) <sub>2</sub> Mn(II)( $\mu$ -C <sub>2</sub> H <sub>5</sub> CO <sub>2</sub> )Mn(II)(bipy) <sub>2</sub> ](ClO <sub>4</sub> ) <sub>2</sub> and [Mn(II)(ClCH <sub>2</sub> CO <sub>2</sub> )(H <sub>2</sub> O)(bipy) <sub>2</sub> ]ClO <sub>4</sub> ·H <sub>2</sub> O (bipy = 2,2'-bipyridine); <i>Z. Anorg. Allg. Chem.</i> <b>2001</b> , 627, 1972-1975. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/1521-3749(200108)627:8&lt;1972::AID-ZAAC1972&gt;3.0.CO;2-K">http://dx.doi.org/10.1002/1521-3749(200108)627:8&lt;1972::AID-ZAAC1972&gt;3.0.CO;2-K</a>
102	C. Janiak, T. Dorn, H. Paulsen, B. Wrackmeyer, Synthesis of isotope enriched (CN <sub>3</sub> H <sub>6</sub> ) <sub>2</sub> [ <sup>57</sup> Fe(CN) <sub>5</sub> NO] starting from <sup>57</sup> Fe — Mössbauer and NMR Characterization of Nitroprusside; <i>Z. Anorg. Allg. Chem.</i> <b>2001</b> , 627, 1663-1668. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/1521-3749(200107)627:7&lt;1663::AID-ZAAC1663&gt;3.0.CO;2-#">http://dx.doi.org/10.1002/1521-3749(200107)627:7&lt;1663::AID-ZAAC1663&gt;3.0.CO;2-#</a>
101	X.-J. Yang, C. Janiak, J. Heinze, F. Drepper, P. Mayer, H. Piotrowski, P. Klüfers, Heteroleptic 5,5'-Disubstituted-2,2'-Bipyridine Complexes of Ruthenium(II): Spectral, Electrochemical, and Structural Investigations; <i>Inorg. Chim. Acta</i> <b>2001</b> , 318, 103-116. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1016/S0020-1693(01)00414-5">http://dx.doi.org/10.1016/S0020-1693(01)00414-5</a>
100	(a) C. Janiak, Trendbericht (Jahresrückblick) Koordinationschemie; <i>Nachrichten aus der Chemie</i> <b>2001</b> , 49(3), 272-277. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/nadc.20010490306">http://dx.doi.org/10.1002/nadc.20010490306</a> (b) C. Janiak Olefinpolymerisation in China und Deutschland; <i>Nachrichten aus der Chemie</i> <b>2001</b> , 49(4), 475-477. <a href="http://dx.doi.org/10.1002/nadc.20010490411">http://dx.doi.org/10.1002/nadc.20010490411</a>
99	C. Janiak, P. G. Lassahn, The vinyl homo-polymerization of norbornene; <i>Macromol. Rapid Commun.</i> <b>2001</b> , 22 (7), 479-492. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/1521-3927(20010401)22:7&lt;479::AID-MARC479&gt;3.0.CO;2-C">http://dx.doi.org/10.1002/1521-3927(20010401)22:7&lt;479::AID-MARC479&gt;3.0.CO;2-C</a>



98	C. Janiak, P. G. Lassahn, Metal catalysts for the vinyl polymerization of norbornene; <i>J. Mol. Catal. A: Chem.</i> <b>2001</b> , 166, 193-209. <a href="http://dx.doi.org/10.1016/S1381-1169(00)00475-1">[pdf-file] http://dx.doi.org/10.1016/S1381-1169(00)00475-1</a>
97	J. J. Schneider, D. Spickermann, D. Bläser, R. Boese, P. Rademacher, T. Labahn, J. Magull, C. Janiak, N. Seidel, K. Jacob, A $\pi$ Stacked Organometallic Propeller: Experimental and Theoretical Studies on Reactivity and Bonding in the $\pi$ -Arene-Bridged Nickel Triple-Decker [ $\{(\eta^5\text{-Me}_4\text{EtC}_5\text{Ni})_2(\mu\text{-}\eta^3\text{:}\eta^3\text{-Decacyclene})\}$ ]. <i>Eur. J. Inorg Chem.</i> <b>2001</b> , 1371-1382. <a href="http://dx.doi.org/10.1002/1099-0682(200105)2001:5&lt;1371::AID-EJIC1371&gt;3.0.CO;2-K">[pdf-file] http://dx.doi.org/10.1002/1099-0682(200105)2001:5&lt;1371::AID-EJIC1371&gt;3.0.CO;2-K</a>
96	C. Zhang, C. Janiak, Six-coordinated zinc complexes: $[\text{Zn}(\text{II})(\text{H}_2\text{O})_4(\text{phen})](\text{NO}_3)_2 \cdot \text{H}_2\text{O}$ and $[\text{Zn}(\text{II})\text{NO}_3(\text{H}_2\text{O})(\text{bipy})(\text{Him})]\text{NO}_3$ (phen = 1,10-phenanthroline, bipy = 2,2'-bipyridine and Him = imidazole); <i>J. Chem. Crystallogr.</i> <b>2001</b> , 31, 29-35. <a href="http://dx.doi.org/10.1023/A:1013774502147">[pdf-file] http://dx.doi.org/10.1023/A:1013774502147</a>
<b>2000-1996 <a href="#">to the top</a></b>	
95	C. Janiak, A critical account on pi-pi stacking in metal complexes with aromatic nitrogen-containing ligands; <i>J. Chem. Soc., Dalton Trans.</i> <b>2000</b> , 3885-3896. <a href="http://dx.doi.org/10.1039/b003010o">[pdf-file] http://dx.doi.org/10.1039/b003010o</a>
94	A. Geiß, M. J. Kolm, C. Janiak, H. Vahrenkamp, $M(\mu\text{-CN})\text{Fe}(\mu\text{-CN})M'$ Chains with Phthalocyanine Iron Centers: Redox, SpinState and Mixed Valence Properties; <i>Inorg. Chem.</i> <b>2000</b> , 39, 4037-4043. <a href="http://dx.doi.org/10.1021/ic000096y">[pdf-file] http://dx.doi.org/10.1021/ic000096y</a>
93	C. Janiak, S. Temizdemir, S. Dechert, W. Deck, F. Girgsdies, J. Heinze, M. J. Kolm, T. G. Scharmann, O. M. Zipffel, Binary [Hydrotris(indazol-1-yl)borato]metal Complexes, $M(\text{Tp}^{4\text{Bo}})_2$ with $M = \text{Fe}, \text{Co}, \text{Ni}, \text{Cu}, \text{Zn}$ : Electronic Properties and Solvent Dependent Framework Structures through C-H $\cdots$ pi Interactions; <i>Eur. J. Inorg. Chem.</i> <b>2000</b> , 1229-1241. <a href="http://dx.doi.org/10.1002/1099-0682(200011)2000:11&lt;2421::AID-EJIC2421&gt;3.3.CO;2-R">[pdf-file] http://dx.doi.org/10.1002/1099-0682(200011)2000:11&lt;2421::AID-EJIC2421&gt;3.3.CO;2-R</a>
92	C. Janiak, S. Temizdemir, T.G. Scharmann, A. Schmalstieg, J. Demtschuk, Hydrotris(1,2,4-triazolyl)borato complexes with the main group elements Ca, Sr and Pb — unexpectedly bent $\text{ML}_2$ structures and a stereochemically inactive lone pair at lead(II); <i>Z. Anorg. Allg. Chem.</i> <b>2000</b> , 626, 2053-2062. <a href="http://dx.doi.org/10.1002/1521-3749(200010)626:10&lt;2053::AID-ZAAC2053&gt;3.0.CO;2-2">[pdf-file] http://dx.doi.org/10.1002/1521-3749(200010)626:10&lt;2053::AID-ZAAC2053&gt;3.0.CO;2-2</a>
91	C. Janiak, S. Temizdemir, S. Dechert, Hydrotris(indazolyl)borate, $\text{Tp}^{4\text{Bo}}$ , a surprisingly effective Tp ligand for supramolecular assembly; <i>Inorg. Chem. Commun.</i> <b>2000</b> , 3, 271-275. <a href="http://dx.doi.org/10.1016/S1387-7003(00)00063-0">[pdf-file] http://dx.doi.org/10.1016/S1387-7003(00)00063-0</a>
90	T. Obwald, M. Keller, C. Janiak, M. Kolm, H. Prinzbach, Unsaturated dodecahedranes — metal complexation; <i>Tetrah. Lett.</i> <b>2000</b> , 41, 1631-1635. <a href="http://dx.doi.org/10.1016/S0040-4039(99)02347-3">[pdf-file] http://dx.doi.org/10.1016/S0040-4039(99)02347-3</a>
89	C. Janiak, K. C. H. Lange, T. G. Scharmann, Zirconium-chelate and Mono-h-cyclopentadienyl Zirconium-chelate/Methylalumoxane Systems as Soluble Single-site Ziegler-Natta Olefin Polymerization Catalysts; <i>Appl. Organomet. Chem.</i> <b>2000</b> , 14, 316-324. <a href="http://dx.doi.org/10.1002/(SICI)1099-0739(200006)14:6&lt;316::AID-AOC990&gt;3.0.CO;2-U">[pdf-file] http://dx.doi.org/10.1002/(SICI)1099-0739(200006)14:6&lt;316::AID-AOC990&gt;3.0.CO;2-U</a>

88	C. Janiak, S. Temizdemir, C. Röhr, The Structure of Hydrotris(imidazolyl)boratothallium(I) — the First Structurally Authenticated Tris(imidazolyl)borate Metal Complex; <i>Z. Anorg. Allg. Chem.</i> <b>2000</b> , 626, 1265-1267. <a href="http://dx.doi.org/10.1002/(SICI)1521-3749(200006)626:6&lt;1265::AID-ZAAC1265&gt;3.0.CO;2-F">[pdf-file] http://dx.doi.org/10.1002/(SICI)1521-3749(200006)626:6&lt;1265::AID-ZAAC1265&gt;3.0.CO;2-F</a>
87	(a) C. Janiak, Trendbericht (Jahresrückblick) Koordinationschemie; <i>Nachr. Chem.</i> <b>2000</b> , 48(3), 245-248. <a href="http://dx.doi.org/10.1002/nadc.20000480309">[pdf-file] http://dx.doi.org/10.1002/nadc.20000480309</a> (b) C. Janiak, Buchrezension zu "Scorpionates — The Coordination Chemistry of Polypyrazolylborate Ligands", <i>Angew. Chem.</i> <b>2000</b> , 112, 1767-1768.
86	J. J. Schneider, N. Czap, D. Bläser, R. Boese, J. Ensling, P. Gütllich, C. Janiak, Experimental and Theoretical Investigations on the Synthesis, Structure, Reactivity and Bonding of the Stannylene-Iron Complex Bis{ {bis(2-tert-butyl-4,5,6-trimethyl-phenyl)}Sn}Fe( $\eta^6$ -toluene)(Sn-Fe-Sn); <i>Chem. Eur. J.</i> <b>2000</b> , 6, 468-474. <a href="http://dx.doi.org/10.1002/(SICI)1521-3765(20000204)6:3&lt;468::AID-CHEM468&gt;3.0.CO;2-6">[pdf-file] http://dx.doi.org/10.1002/(SICI)1521-3765(20000204)6:3&lt;468::AID-CHEM468&gt;3.0.CO;2-6</a>
<b>1999</b>	<a href="#">to the top</a>
85	C. Janiak, H.-P. Wu, P. Klüfers, P. Mayer, A molecular tetraamminecopper(II)-trans-diamminecopper(II) tetracyanonickelate(II) coordination compound; <i>Acta Crystallogr. C</i> <b>1999</b> , 55, 1966-1969. <a href="http://dx.doi.org/10.1107/S0108270199010859">[pdf-file] http://dx.doi.org/10.1107/S0108270199010859</a>
84	C. Janiak, S. Temizdemir, The Nitrido Complex (N Et <sub>4</sub> )[MoCl <sub>3</sub> (N)(OH)(MeCN)]; <i>Inorg. Chim. Acta</i> <b>1999</b> , 295, 248-251. <a href="http://dx.doi.org/10.1016/S0020-1693(99)00383-7">[pdf-file] http://dx.doi.org/10.1016/S0020-1693(99)00383-7</a>
83	B. Kersting, D. Siebert, D. Volkmer, M. J. Kolm, C. Janiak, Synthesis and Characterization of Homo- and Heterodinuclear Complexes Containing the N <sub>3</sub> M( $\mu_2$ -SR) <sub>3</sub> N <sub>3</sub> Core (N = Fe, Co, Ni); <i>Inorg. Chem.</i> <b>1999</b> , 38, 3871-3882. <a href="http://dx.doi.org/10.1021/ic990087t">[pdf-file] http://dx.doi.org/10.1021/ic990087t</a>
82	C. Janiak, L. Braun, F. Girgsdies, A new route to tris(pyrazolyl)borate ligands and new structural variations in TpTl complexes; <i>J. Chem. Soc. Dalton Trans.</i> <b>1999</b> , 3133-3136. <a href="http://dx.doi.org/10.1039/a902264c">[pdf-file] http://dx.doi.org/10.1039/a902264c</a>
81	C. Janiak, L. Uehlin, H.-P. Wu, P. Klüfers, H. Piotrowski, T. G. Scharmann, Coordination engineering: when can one speak of an "understanding"? Case study of the multidentate ligand 2,2'-dimethyl-4,4'-bipyrimidine; <i>J. Chem. Soc. Dalton Trans.</i> <b>1999</b> , 3121-3131. <a href="http://dx.doi.org/10.1039/a904829d">[pdf-file] http://dx.doi.org/10.1039/a904829d</a>
80	C. Janiak, S. Deblon, H.-P. Wu, M. J. Kolm, P. Klüfers, H. Piotrowski, P. Mayer, Modified Bipyridines: 5,5'-Diamino-2,2'-bipyridine Metal Complexes Assembled into Multidimensional Networks via Hydrogen Bonding and pi-pi Stacking Interactions; <i>Eur. J. Inorg. Chem.</i> <b>1999</b> , 1507-1521. <a href="http://dx.doi.org/10.1002/(SICI)1099-0682(199909)1999:9&lt;1507::AID-EJIC1507&gt;3.0.CO;2-I">[pdf-file] http://dx.doi.org/10.1002/(SICI)1099-0682(199909)1999:9&lt;1507::AID-EJIC1507&gt;3.0.CO;2-I</a>
79	C. Janiak, S. Deblon, H.-P. Wu, Syntheses of 5,5'-Disubstituted 2,2'-Bipyridine Systems; <i>Synth. Commun.</i> <b>1999</b> , 29, 3341-3352. <a href="http://dx.doi.org/10.1080/00397919908085962">[pdf-file] http://dx.doi.org/10.1080/00397919908085962</a>
78	C. Janiak, S. Deblon, L. Uehlin, Synthesis of 6,6'-Diamino Substituted 2,2'-Biquinoline and of 2,2'-Bi-1,6-naphthyridine;

	<i>Synthesis</i> <b>1999</b> , 959-964. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1055/s-1999-6064">http://dx.doi.org/10.1055/s-1999-6064</a>
77	C. Janiak, Trendbericht (Jahresrückblick) Koordinationschemie; <i>Nachr. Chem. Tech. Lab.</i> <b>1999</b> , 47(2), 130-142. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/nadc.19990470208">http://dx.doi.org/10.1002/nadc.19990470208</a>
76	H.-P. Wu, C. Janiak, G. Rheinwald, H. Lang, 5,5'-Dicyano-2,2'-bipyridine-Silver Complexes: Discrete Units or Coordination Polymers through a Chelating and/or Bridging Metal-Ligand Interaction; <i>J. Chem. Soc. Dalton Trans.</i> <b>1999</b> , 183-190. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/a807450j">http://dx.doi.org/10.1039/a807450j</a>
<b>1998</b>	<a href="#">to the top</a>
75	H.-P. Wu, C. Janiak, L. Uehlin, P. Klüfers, P. Mayer, 2,2'-Bi-1,6-naphthyridine metal complexes: A new ligand and a novel 2 x 2 inclined interpenetration of (4,4) nets or formation of helicoidal chains; <i>Chem. Commun.</i> <b>1998</b> , 2637-2638. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/a807522k">http://dx.doi.org/10.1039/a807522k</a>
74	B. Kersting, M. J. Kolm, C. Janiak, Thiolate-Bridged Diiron(III) Spin Crossover Complexes; <i>Z. Anorg. Allg. Chem.</i> <b>1998</b> , 624, 775-780. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/(SICI)1521-3749(199805)624:5&lt;775::AID-ZAAC775&gt;3.0.CO;2-B">http://dx.doi.org/10.1002/(SICI)1521-3749(199805)624:5&lt;775::AID-ZAAC775&gt;3.0.CO;2-B</a>
73	C. Janiak, T. G. Scharmann, T. Bräuniger, J. Holubová, M. Nadvornik, Spin Crossover Studies on Bis{hydro-tris(1,2,4-triazolyl)borato}iron(II); <i>Z. Anorg. Allg. Chem.</i> <b>1998</b> , 624, 769-774. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/(SICI)1521-3749(199805)624:5&lt;769::AID-ZAAC769&gt;3.0.CO;2-#">http://dx.doi.org/10.1002/(SICI)1521-3749(199805)624:5&lt;769::AID-ZAAC769&gt;3.0.CO;2-#</a>
72	C. Janiak, S. Temizdemir, T. G. Scharmann, The Structure of Hydrotris(pyrazolyl)boratothallium(I); <i>Z. Anorg. Allg. Chem.</i> <b>1998</b> , 624, 755-756. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/(SICI)1521-3749(199805)624:5&lt;755::AID-ZAAC755&gt;3.0.CO;2-J">http://dx.doi.org/10.1002/(SICI)1521-3749(199805)624:5&lt;755::AID-ZAAC755&gt;3.0.CO;2-J</a>
71	(a) C. Janiak, Trendbericht (Jahresrückblick) Organometallchemie; <i>Nachr. Chem. Tech. Lab.</i> <b>1998</b> , 46(2), 140-145. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/nadc.19980460209">http://dx.doi.org/10.1002/nadc.19980460209</a> (b) C. Janiak, Buchrezension zu "Advanced Practical Inorganic and Metalorganic Chemistry", <i>Angew. Chem.</i> <b>1998</b> , 110, 2547-2548.
70	C. Janiak, Cyclopentadienylthallium(I) as a Ligand Transfer Reagent; <i>J. prakt. Chem.</i> <b>1998</b> , 340, 181-183. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/prac.19983400214">http://dx.doi.org/10.1002/prac.19983400214</a>
69	C. Janiak, Hydrotris(pyrazolyl)borate Thallium(I) [TpTl(I)] Chemistry - Syntheses and Applications; <i>Main Group Metal Chemistry</i> <b>1998</b> , 21, 33-49. <a href="http://dx.doi.org/10.1515/MGMC.1998.21.1.33">http://dx.doi.org/10.1515/MGMC.1998.21.1.33</a> [ <a href="#">pdf-file</a> ]
68	C. Janiak, L. Braun, T. G. Scharmann, F. Girgsdies, A Water Adduct of Tris(pentafluorophenyl)borane: The Structure of (C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> B(OH <sub>2</sub> )-Dioxane-CH <sub>2</sub> Cl <sub>2</sub> (1/1/1); <i>Acta Crystallogr. C</i> <b>1998</b> , 54, 1722-1724. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1107/S0108270198007252">http://dx.doi.org/10.1107/S0108270198007252</a>
67	C. Janiak, Kapitel 2: Koordinationschemie und Kapitel 4: Organometallchemie in E. Riedel (Hrsg.), C. Janiak, T. M. Klapötke, H.-J. Meyer, <i>Moderne Anorganische Chemie - ein Lehrbuch</i> , de Gruyter (ISBN 3-11-015672-5), Berlin, <b>1998</b> .

66	J. J. Schneider, D. Wolf, C. Janiak, O. Heinemann, J. Rust, C. Krüger, Probing Metal Complexation, Structure, Ligand Lability and Dissociative Ligand Exchange Mechanism in the Slipped Triple-Decker Complexes $[\{\eta^5\text{-Cp}^R\}\text{Co}\text{-}\mu\text{-}\{\eta^4\text{:}\eta^4\text{-arene}\}]\text{ (R = Me}_5\text{, 1,2,4-tri-tert-butyl; arene = toluene, benzene)}$ <i>Chem. Eur. J.</i> <b>1998</b> , <i>4</i> , 1982-1991. <a href="http://dx.doi.org/10.1002/(SICI)1521-3765(19981002)4:10&lt;1982::AID-CHEM1982&gt;3.0.CO;2-P">[pdf-file] http://dx.doi.org/10.1002/(SICI)1521-3765(19981002)4:10&lt;1982::AID-CHEM1982&gt;3.0.CO;2-P</a>
65	C. Janiak, Metallocene Catalysts for Olefin Polymerization; in <i>Metallocenes: Synthesis, Reactivity, Applications</i> (Eds. A. Togni, R. L. Halterman), Wiley-VCH, Weinheim, <b>1998</b> . Kapitel 9, S. 547-624. published online: <a href="http://dx.doi.org/10.1002/9783527619542.ch9">http://dx.doi.org/10.1002/9783527619542.ch9</a>
64	C. Janiak, T. G. Scharmann, The Chiral C <sub>3</sub> -symmetrical Propeller Structure of Chloro-tris(1,3-diphenyl-1,3- propanedionato)zirconium(IV); <i>Acta Crystallogr. C</i> <b>1998</b> , <i>54</i> , 210-212. <a href="http://dx.doi.org/10.1107/S0108270197014182">[pdf-file] http://dx.doi.org/10.1107/S0108270197014182</a>
<b>1997</b>	<a href="#">to the top</a>
63	C. Janiak, R. Weimann, F. Görlitz, The Structures of the Pentaphenylcyclopentadienyl Radical, Pentaphenylcyclopentadienyltin(IV) trichloride, and Bromo(chloro)bis(tetrahydrofuran)tin(II): Products of the Reaction of C <sub>5</sub> Ph <sub>5</sub> X with SnX <sub>2</sub> (X = Cl, Br); <i>Organometallics</i> <b>1997</b> , <i>16</i> , 4933-4936. <a href="http://dx.doi.org/10.1021/om970442s">[pdf-file] http://dx.doi.org/10.1021/om970442s</a>
62	C. Janiak, Functional Organic Analogs of Zeolites Based on Metal-Organic Coordination Frameworks (Highlight); <i>Angew. Chem.</i> <b>1997</b> , <i>109</i> , 1499-1502; <i>Angew. Chem. Int. Ed. Engl.</i> <b>1997</b> , <i>36</i> , 1431-1434. <a href="http://dx.doi.org/10.1002/anie.199714311">[pdf-file] http://dx.doi.org/10.1002/anie.199714311</a>
61	S. P. Narula, R. Shankar, M. Kumar, R. K. Chadha, C. Janiak, Structure and Reactivity of 1-Isothiocyanatosilatrane: The First Silatrane with a Direct Si-NCS Bond; <i>Inorg. Chem.</i> <b>1997</b> , <i>36</i> , 1268-1273; Correction <i>Inorg. Chem.</i> <b>1997</b> , <i>36</i> , 3800. <a href="http://dx.doi.org/10.1021/ic9705608">http://dx.doi.org/10.1021/ic9705608</a>
60	(a) C. Janiak, Trendbericht (Jahresrückblick) Organometallemie; <i>Nachr. Chem. Tech. Lab.</i> <b>1997</b> , <i>45</i> , 129-137. <a href="http://dx.doi.org/10.1002/nadc.19970450207">[pdf-file] http://dx.doi.org/10.1002/nadc.19970450207</a> (b) C. Janiak, Buchrezension zu "Chemie - einfach alles", <i>Angew. Chem.</i> <b>1997</b> , <i>109</i> , 1413-1414. <a href="http://dx.doi.org/10.1002/ange.19971091236">http://dx.doi.org/10.1002/ange.19971091236</a>
59	C. Janiak, (Organo)thallium(I) and (II) Chemistry: Syntheses, Structures, Properties and Applications of Subvalent Thallium Complexes With Alkyl, Cyclopentadienyl, Arene or Hydrotris(pyrazolyl)borate Ligands; <i>Coord. Chem. Rev.</i> <b>1997</b> , <i>163</i> , 107-216. <a href="http://dx.doi.org/10.1016/S0010-8545(97)00011-8">[pdf-file] http://dx.doi.org/10.1016/S0010-8545(97)00011-8</a>
<b>1996</b>	<a href="#">to the top</a>
58	C. Janiak, K. C. H. Lange, U. Versteeg, D. Lentz, P. H. M. Budzelaar, Ethene Polymerization Activity and Coordination Gap Aperture in non-ansa Alkyl-Substituted Cyclopentadienyl- and -Phospholyl-Zirconium/MAO Catalysts;

	<i>Chem. Ber.</i> <b>1996</b> , <i>129</i> , 1517-1529. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19961291219">http://dx.doi.org/10.1002/cber.19961291219</a>
57	C. Janiak, T. G. Scharmann, W. Günther, W. Hinrichs, D. Lentz, Copper Coordination Polymers with Infinite Chloride Ion Channels and Different Directions of the Jahn-Teller Distortion, Built from Tris(1,2,4-triazolyl)borate as a Modified Tris(pyrazolyl)borate Ligand; <i>Chem. Ber.</i> <b>1996</b> , <i>129</i> , 991-995. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19961290903">http://dx.doi.org/10.1002/cber.19961290903</a>
56	C. Janiak, T. G. Scharmann, P. Albrecht, F. Marlow, R. Macdonald, [Hydrotris(1,2,4-triazolyl)borato]silver(I): Structure and Optical Properties of a Coordination Polymer Constructed from a Modified Poly(pyrazolyl)borate Ligand; <i>J. Am. Chem. Soc.</i> <b>1996</b> , <i>118</i> , 6307-6308. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ja960530o">http://dx.doi.org/10.1021/ja960530o</a>
55	C. Janiak, T. G. Scharmann, J. C. Green, R. P. G. Parkin, M. J. Kolm, E. Riedel, W. Mickler, J. Elguero, R. M. Claramunt, D. Sanz, Effects of Nitrogen Substitution in Poly(pyrazolyl)borate Ligands: From Orbital Energy Levels to C-H $\cdots$ O Hydrogen Bonding; <i>Chem. Eur. J.</i> <b>1996</b> , <i>2</i> , 992-1000. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.19960020815">http://dx.doi.org/10.1002/chem.19960020815</a>
54	C. Janiak, N. Kuhn, Azacyclopentadienyl Metal Compounds, Historical Background and Recent Advances; in <i>Advances in Nitrogen Heterocycles</i> , Vol II (C. J. Moody, Hrsg.), JAI Press, Greenwich, CT, USA, <b>1996</b> , Vol. 2, 179-210.
53	C. Janiak, S. Mühle, H. Hemling, K. Köhler, The Solid-State Structure of K <sub>3</sub> C <sub>60</sub> (THF) <sub>14</sub> ; <i>Polyhedron</i> <b>1996</b> , <i>15</i> , 1559-1563. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0277-5387(95)00482-3">http://dx.doi.org/10.1016/0277-5387(95)00482-3</a>
<b>1995-1991, <a href="#">to the top</a></b>	
52	D. Selent, M. Ramm, C. Janiak, Synthese und Charakterisierung heterobimetallischer Komplexe des Types [( <sup>1</sup> C <sub>4</sub> H <sub>9</sub> O) <sub>3</sub> Ti-ML <sub>n</sub> ] (ML <sub>n</sub> = CpMo(CO) <sub>3</sub> , CpFe(CO) <sub>2</sub> , Mn(CO) <sub>5</sub> ). Einkristallstrukturanalyse von [( <sup>1</sup> C <sub>4</sub> H <sub>9</sub> O) <sub>3</sub> Ti-Mn(CO) <sub>5</sub> ] bei 213 K. Extended Hückel MO-Rechnungen an [( <sup>1</sup> C <sub>4</sub> H <sub>9</sub> O) <sub>3</sub> Ti-Mn(CO) <sub>5</sub> ] und [( <sup>1</sup> C <sub>4</sub> H <sub>9</sub> O) <sub>3</sub> Ti-Co(CO) <sub>3</sub> L] (L = CO, PPh <sub>3</sub> ); <i>J. Organomet. Chem.</i> <b>1995</b> , <i>501</i> , 235-244. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(95)05674-E">http://dx.doi.org/10.1016/0022-328X(95)05674-E</a>
51	C. Janiak, U. Versteeg, K. C. H. Lange, R. Weimann, E. Hahn, The Influence of Electronic and Steric Effects and the Importance of Polymerization Conditions in the Ethylene Polymerization with Zirconocene/MAO Catalysts; <i>J. Organomet. Chem.</i> <b>1995</b> , <i>501</i> , 219-234. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(95)05647-8">http://dx.doi.org/10.1016/0022-328X(95)05647-8</a>
50	C. Janiak, T. G. Scharmann, W. Günther, F. Girgsdies, H. Hemling, W. Hinrichs, D. Lentz, Ligand-field Control and Hydrogen Bonding as Design Elements in the Assembly and Crystallization of Poly(azolyl)borate-Metal Complexes: Chelate Complexes versus Coordination Polymers and Symmetrical versus Distorted Grid Sheets; <i>Chem. Eur. J.</i> <b>1995</b> , <i>1</i> , 637-644. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/chem.19950010912">http://dx.doi.org/10.1002/chem.19950010912</a>
49	C. Janiak, K. C. H. Lange, P. Marquardt, alpha-Olefin Oligomers with Narrow Molar Mass Distributions from Zirconocene/methylaluminoxane-Catalysts – An Examination of the Structure-Reactivity Relationship; <i>Macromol. Rapid Commun.</i> <b>1995</b> , <i>16</i> , 643-650. In leicht veränderter Fassung unter dem Titel: Gezielte Darstellung von alpha-Olefin-Oligomeren – eine neue Anwendung von Zirconocen/Methylalumoxan-Katalysatoren; <i>GIT Fachzeitschrift für das Laboratorium</i> <b>1996</b> , <i>40</i> (7), 716-719. <a href="#">[pdf-file]</a> <a href="http://dx.doi.org/10.1002/marc.1995.030160902">http://dx.doi.org/10.1002/marc.1995.030160902</a>
48	S. Seelert, H.-J. Müller, B. L. Marczinke, F. Langhauser, C. Janiak,

	Verfahren zur Herstellung von Olefin-Oligomeren; <i>DE-Patentanmeldung</i> , DE19951003088.5 (31. 01. 1995) (BASF AG) <i>WO-Patentanmeldung</i> , WO09623750 (08. 08. 1996) (BASF AG).
47	C. Janiak, T. G. Scharmann, K.-W. Brzezinka, P. Reich, Transition-Metal Complexes with the Novel Scorpionate Ligand Dihydrobis(tetrazolyl)borate: Synthesis and Characterization of Infinite Two-Dimensional Metal-Ligand Frameworks and One- Dimensional Water Substructures; <i>Chem. Ber.</i> <b>1995</b> , <i>128</i> , 323-328. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19951280402">http://dx.doi.org/10.1002/cber.19951280402</a>
46	C. Janiak, T. G. Scharmann, H. Hemling, D. Lentz, J. Pickardt, Transition-Metal Complexes with the Novel Poly(1,2,4-triazolyl)borate-Ligands $[H_nB(C_2H_2N_3)_{4-n}]^-$ (n = 1 and 2): Synthesis and Characterization of Metal Complexes of Dihydrobis(1,2,4-triazolyl)borate as One or Two-dimensional Coordination Polymers with Six-membered-Ring Water Substructures and the Structure of Two-dimensional Liquid and Solid Water As Organized in the Intercalate $[Ni\{HB(C_2H_2N_3)_3\}_2] \cdot 6H_2O$ (X-ray Studies at 293 and 160 K); <i>Chem. Ber.</i> <b>1995</b> , <i>128</i> , 235-244. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19951280306">http://dx.doi.org/10.1002/cber.19951280306</a>
<b>1994</b>	<a href="#">to the top</a>
45	C. Janiak, H. Hemling, Linkage Isomerism in Bis(hydrotris(triazolyl)borate)zinc from a Molecular Chelate Complex to a Three-dimensional Co-ordination Polymer; <i>J. Chem. Soc. Dalton Trans.</i> <b>1994</b> , 2947-2952. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/dt9940002947">http://dx.doi.org/10.1039/dt9940002947</a>
44	C. Janiak, T. G. Scharmann, K. C. H. Lange, Zirconium- $\beta$ -diketonate / methylalumoxane systems as single-site catalysts for high-molecular polyethylene; <i>Macromol. Rapid Commun.</i> <b>1994</b> , <i>15</i> , 655-658. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/marc.1994.030150806">http://dx.doi.org/10.1002/marc.1994.030150806</a>
43	C. Janiak, Binary Hydrotris(triazolyl)borate-Metal complexes $[M\{HB(C_2H_2N_3)_3\}_2]$ with M = Fe, Co, Cu, Zn: Synthesis, Characterization, Magneto-Chemistry, and X-ray Structure of $[Cu\{HB(C_2H_2N_3)_3\}_2] \cdot 4$ $CH_3OH$ and $K[HB(C_2H_2N_3)_3] \cdot 2 H_2O$ ; <i>Chem. Ber.</i> <b>1994</b> , <i>127</i> , 1379-1385. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19941270809">http://dx.doi.org/10.1002/cber.19941270809</a>
42	C. Janiak, N. Kuhn, R. Gleiter, Effects of Isolobal Substitution in Cyclopentadienyl Ligands: The Azacyclopentadienyl System $C_4R_4N$ . Comparative Photoelectron Spectra of the Tetra-tert-butyl Ferrocene Derivatives; <i>J. Organomet. Chem.</i> <b>1994</b> , <i>475</i> , 223-227. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(94)84025-3">http://dx.doi.org/10.1016/0022-328X(94)84025-3</a>
41	C. Janiak, H. Hemling, Coronene-Potassium(THF) $_2$ (tmeda): X-ray Structure and MNDO-Calculations of a Half-Sandwich Contact Ion Pair as a Model for Potassium(Adsorbate)-Graphite Surface Interactions; <i>Chem. Ber.</i> <b>1994</b> , <i>127</i> , 1251-1253. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19941270712">http://dx.doi.org/10.1002/cber.19941270712</a>
40	J. Scholz, A. Scholz, R. Weimann, C. Janiak, H. Schumann, N-Heteroarene Dianions as Antiaromatic Ligands Bridging two Lanthanocene Moieties; <i>Angew. Chem.</i> <b>1994</b> , <i>106</i> , 1220-1223. <i>Angew. Chem. Int. Ed. Engl.</i> <b>1994</b> , <i>33</i> , 1171-1174. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/anie.199411711">http://dx.doi.org/10.1002/anie.199411711</a>
39	P. Zanello, A. Cinquantini, S. Mangani, G. Opromella, L. Pardi, C. Janiak, M. D. Rausch, The Redox Behaviour of Ferrocene Derivatives. VI. Benzylferrocenes. The Crystal Structure of Decabenzylferrocenium tetrafluoroborate; <i>J. Organomet. Chem.</i> <b>1994</b> , <i>471</i> , 171-177. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(94)88122-7">http://dx.doi.org/10.1016/0022-328X(94)88122-7</a>
38	C. Janiak,

	Clathrates and Coordination Polymers: New Dimensions in Poly(azoly)borate Chemistry with Poly-(triazoly)- and -(tetrazoly)borate Ligands; <i>J. Chem. Soc. Chem. Commun.</i> <b>1994</b> , 545-547. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1039/c39940000545">http://dx.doi.org/10.1039/c39940000545</a>
37	C. Janiak, B. Rieger, Silica Gel Supported Zirconocene Dichloride/Methylalumoxane for Ethylene Polymerizations: Effects of Heterogenation on Activity, Polymer Microstructure and Product Morphology; <i>Angew. Makromol. Chem.</i> <b>1994</b> , 215, 47-57. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/apmc.1994.052150105">http://dx.doi.org/10.1002/apmc.1994.052150105</a>
36	B. Rieger, C. Janiak, Concentration Effects of Methylalumoxane, Zirconocene Dichloride, and Trimethylaluminum in Ethylene Polymerization; <i>Angew. Makromol. Chem.</i> <b>1994</b> , 215, 35-46. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/apmc.1994.052150104">http://dx.doi.org/10.1002/apmc.1994.052150104</a>
<b>1993</b>	<a href="#">to the top</a>
35	C. Janiak, R. Hoffmann, P. Sjövall, B. Kasemo, The Potassium Promoter Function in the Oxidation of Graphite: An Experimental and Theoretical Study; <i>Langmuir</i> <b>1993</b> , 9, 3427-3440. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/la00036a017">http://dx.doi.org/10.1021/la00036a017</a>
34	C. Janiak, A Second Modification of Potassium Fluorene and the Structure of Potassium (9-Tert-butylfluorene): Effect of Crystallization Conditions and Substituents on Solid-State Contact Ion Pair Interactions; <i>Chem. Ber.</i> <b>1993</b> , 126, 1603-1607. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19931260716">http://dx.doi.org/10.1002/cber.19931260716</a>
33	N. Kuhn, G. Henkel, J. Kreutzberg, S. Stubenrauch, C. Janiak, The Electronic Structure of 1,1'-Diazametallocenes and the Synthesis and Crystal Structure of 2,2',5,5'-Tetra-tert-butyl-1,1'-diazanickelocene; <i>J. Organomet. Chem.</i> <b>1993</b> , 456, 97-106. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(93)83323-N">http://dx.doi.org/10.1016/0022-328X(93)83323-N</a>
32	C. Janiak, J. Silvestre, K. H. Theopold, Metal-Metal Bonding in Paramagnetic Chromium(III) Complexes – An MO-Theoretical Case Study; <i>Chem. Ber.</i> <b>1993</b> , 126, 631-643. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19931260313">http://dx.doi.org/10.1002/cber.19931260313</a>
31	C. Janiak, L. Esser, The Bishydridobis(tetrazol-1-yl)borate Anion, [H <sub>2</sub> B(CHN <sub>4</sub> ) <sub>2</sub> ] <sup>-</sup> : Synthesis and Structure of the First Tetrazolylborate; <i>Z. Naturforsch. B</i> <b>1993</b> , 48, 394-396. [ <a href="#">pdf-file</a> ]
30	C. Janiak, The Role of Agostic H-Zr Interactions in the Insertion of Olefins With Metallocene Catalysts. An MO Study; <i>J. Organomet. Chem.</i> <b>1993</b> , 452, 63-73. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/10.1016/0022-328X(93)83173-S">http://dx.doi.org/10.1002/10.1016/0022-328X(93)83173-S</a>
29	C. Janiak, B. Rieger, R. Voelkel, H. G. Braun, Polymeric Alumoxanes – a Polymeric Alumoxanes Support Material for Ziegler-Natta-Type Metallocene Catalysts; <i>J. Polym. Sci. A: Polym. Chem.</i> <b>1993</b> , 31, 2959-2968. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/pola.1993.080311211">http://dx.doi.org/10.1002/pola.1993.080311211</a>
<b>1992</b>	<a href="#">to the top</a>

28	B. Rieger, C. Janiak, Supported Catalyst Systems for the Polymerization of C2- to C10-Alkenes; EP-Patentanmeldung, EP 92119692.8, Priorität DE 4139262 (29.11.1991) (BASF AG). B. RIEGER, C. JANIAC, Geträgerte Katalysatorsysteme zur Polymerisation von C2- bis C10-Alkenen; DE-Patentanmeldung (BASF AG).
27	M.-H. Prosenc, C. Janiak, H.-H. Brintzinger, Agostic Assistance to Olefin Insertion in Alkyl Zirconocene Cations – A Molecular Orbital Study by the Extended Hückel Method <i>Organometallics</i> <b>1992</b> , <i>11</i> , 4036-4041. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/om00060a019">http://dx.doi.org/10.1021/om00060a019</a>
<b>1991</b>	<a href="#">to the top</a>
26	C. Janiak, H. Schumann, Bulky or Supra-Cyclopentadienyl Derivatives in Organometallic Chemistry; <i>Adv. Organomet. Chem.</i> <b>1991</b> , <i>33</i> , 291-393. <a href="http://dx.doi.org/10.1016/S0065-3055(08)60698-X">http://dx.doi.org/10.1016/S0065-3055(08)60698-X</a>
25	H. Schumann, C. Janiak, Metallocene schwerer Hauptgruppenelemente in niedrigen Oxidationsstufen; in <u>Unkonventionelle Wechselwirkungen in der Chemie metallischer Elemente</u> ; DFG-Forschungsbericht zum Schwerpunktprogramm "Neue Phänomene in der Chemie metallischer Elemente mit abgeschlossenen inneren Elektronenzuständen" (B. Krebs, Hrsg.) VCH Verlagsgesellschaft, Weinheim, <b>1991</b> . S. 185-198.
24	C. Janiak, R. Hoffmann, Tl <sup>I</sup> -Tl <sup>I</sup> - und In <sup>I</sup> -In <sup>I</sup> -Wechselwirkungen und die Ligandengeometrie: Eine theoretische Studie an Molekülen und Festkörpern; in <u>Unkonventionelle Wechselwirkungen in der Chemie metallischer Elemente</u> ; DFG-Forschungsbericht zum Schwerpunktprogramm "Neue Phänomene in der Chemie metallischer Elemente mit abgeschlossenen inneren Elektronenzuständen" (B. Krebs, Hrsg.) VCH Verlagsgesellschaft, Weinheim, <b>1991</b> . S. 45-80.
23	R. Hoffmann, C. Janiak, C. Kollmar, A Chemical Approach to the Orbitals of Organic Polymers; <i>Macromolecules</i> <b>1991</b> , <i>24</i> , 3725-3746. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ma00013a001">http://dx.doi.org/10.1021/ma00013a001</a>
22	H. Schumann, A. M. Arif, A. L. Rheingold, C. Janiak, R. Hoffmann, N. Kuhn, Structure and Bonding in Cationic [C <sub>5</sub> H <sub>5</sub> Fe(CO) <sub>2</sub> (ER <sub>2</sub> )]BF <sub>4</sub> Complexes (E = S, Se, Te); <i>Inorg. Chem.</i> <b>1991</b> , <i>30</i> , 1618-1625. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic00007a037">http://dx.doi.org/10.1021/ic00007a037</a>
<b>1990-1984</b>	<a href="#">to the top</a>
21	C. Janiak, R. Hoffmann, Tl <sup>I</sup> -Tl <sup>I</sup> and In <sup>I</sup> -In <sup>I</sup> Interactions: From the Molecular to the SolidState; <i>J. Am. Chem. Soc.</i> <b>1990</b> , <i>112</i> , 5924-5946. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ja00172a005">http://dx.doi.org/10.1021/ja00172a005</a>
20	S. K. Noh, R. A. Heintz, C. Janiak, S. C. Sendlinger, K. H. Theopold, A Paramagnetic μ-Methylene Complex with a Short Cr <sup>III</sup> -Cr <sup>III</sup> Bond; <i>Angew. Chem.</i> <b>1990</b> , <i>102</i> , 805-807; <i>Angew. Chem. Int. Ed. Engl.</i> <b>1990</b> , <i>29</i> , 775-777. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/anie.199007751">http://dx.doi.org/10.1002/anie.199007751</a>
<b>1989</b>	<a href="#">to the top</a>



19	S. K. Noh, S. C. Sendlinger, C. Janiak, K. H. Theopold, [Cp*(Me)Cr( $\mu$ -Me)] <sub>2</sub> , an Electron Deficient Chromium(III) Alkyl with Bridging Methyl Groups and a Cr-Cr Bond; <i>J. Am. Chem. Soc.</i> <b>1989</b> , <i>111</i> , 9127-9129. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ja00207a034">http://dx.doi.org/10.1021/ja00207a034</a>
18	C. Janiak, R. Hoffmann, Tl <sup>I</sup> -Tl <sup>I</sup> Interactions in the Molecular State – an MO Analysis; <i>Angew. Chem.</i> <b>1989</b> , <i>101</i> , 1706-1708; <i>Angew. Chem. Int. Ed. Engl.</i> <b>1989</b> , <i>28</i> , 1688-1690. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/anie.198916881">http://dx.doi.org/10.1002/anie.198916881</a>
17	C. Janiak, R. Hoffmann, Electronic Structure of One-Dimensional Linear Halogen Bridged Gold-Chains; <i>Inorg. Chem.</i> <b>1989</b> , <i>28</i> , 2743-2747. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ic00313a011">http://dx.doi.org/10.1021/ic00313a011</a>
16	H. Schumann, C. Janiak, R. D. Köhn, J. Loebel, A. Dietrich, Syntheses and Structures of Fe[C <sub>5</sub> (CH <sub>2</sub> Ph) <sub>5</sub> ] <sub>2</sub> and Lu(C <sub>8</sub> H <sub>8</sub> )[C <sub>5</sub> (CH <sub>2</sub> Ph) <sub>5</sub> ]; <i>J. Organomet. Chem.</i> <b>1989</b> , <i>365</i> , 137-150. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(89)87174-8">http://dx.doi.org/10.1016/0022-328X(89)87174-8</a>
15	C. Janiak, M. Schwichtenberg, F. E. Hahn, P-Bonding to Tetravalent Main-Group IV Elements – an Experimental Effort; <i>J. Organomet. Chem.</i> <b>1989</b> , <i>365</i> , 37-46. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(89)87164-5">http://dx.doi.org/10.1016/0022-328X(89)87164-5</a>
14	H. Schumann, C. Janiak, F. Görlitz, J. Loebel, A. Dietrich, Synthesis and Crystal Structure of Pentabenzylcyclopentadienylindium(I); <i>J. Organomet. Chem.</i> <b>1989</b> , <i>363</i> , 243-251. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(89)87112-8">http://dx.doi.org/10.1016/0022-328X(89)87112-8</a>
<b>1988</b>	<a href="#">to the top</a>
13	C. Janiak, H. Schumann, C. Stader, B. Wrackmeyer, J. J. Zuckerman, Decaphenylgermanocen, -stannocen und -plumbocen, sowie Pentaphenylstannocen: Synthese, Eigenschaften und CPMAS-Metall-NMR-Messungen; <i>Chem. Ber.</i> <b>1988</b> , <i>121</i> , 1745-1751. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19881211008">http://dx.doi.org/10.1002/cber.19881211008</a>
12	H. Schumann, C. Janiak, M. A. Khan, J. J. Zuckerman, Eine zweite ungewöhnliche Kristallmodifikation von Pentabenzylcyclopentadienylthallium(I), (PhCH <sub>2</sub> ) <sub>5</sub> C <sub>5</sub> Tl; <i>J. Organomet. Chem.</i> <b>1988</b> , <i>354</i> , 7-13. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(88)80633-8">http://dx.doi.org/10.1016/0022-328X(88)80633-8</a>
11	H. Schumann, C. Janiak, J. Pickardt, Metallorganische Verbindungen der Lanthanoide XLV. Synthese und Röntgenstrukturanalyse von [Li(DME) <sub>3</sub> ][((C <sub>5</sub> H <sub>5</sub> ) <sub>3</sub> Sm) <sub>2</sub> ( $\mu$ -N <sub>3</sub> )]; <i>J. Organomet. Chem.</i> <b>1988</b> , <i>349</i> , 117-122. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(88)80442-X">http://dx.doi.org/10.1016/0022-328X(88)80442-X</a>
10	H. Schumann, I. Albrecht, M. Gallagher, E. Hahn, C. Janiak, C. Kolax, J. Loebel, S. Nickel, E. Palamidis, Organometallic Compounds of the Lanthanides - XL. Recent Developments in Organolanthanide Chemistry; <i>Polyhedron</i> <b>1988</b> , <i>7</i> , 2307-2315. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/S0277-5387(00)86347-0">http://dx.doi.org/10.1016/S0277-5387(00)86347-0</a>
09	P. Köpf-Maier, C. Janiak, H. Schumann, Antitumor Properties of Organometallic Metallocene Complexes of Tin and Germanium; <i>J. Cancer Res. Clin. Oncol.</i> <b>1988</b> , <i>114</i> , 502-506. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1007/BF00391500">http://dx.doi.org/10.1007/BF00391500</a>
08	P. Köpf-Maier, C. Janiak, H. Schumann, Monomeric, Air-Stable Metallocenes of Main-Group Elements as Antitumor Agents; <i>Inorg. Chim. Acta</i> <b>1988</b> , <i>152</i> , 75-76. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/S0020-1693(00)83336-8">http://dx.doi.org/10.1016/S0020-1693(00)83336-8</a>

07	M. J. Heeg, R. H. Herber, C. Janiak, J. J. Zuckerman, H. Schumann, W. F. Manders, Decaphenylgermanocene, -stannocene and -plumbocene, $[\eta^5-(C_6H_5)_5C_5]_2E(II)$ (E = Ge, Sn, Pb) and the X-ray Crystal and Molecular Structure of Pentaphenylstannocene $h^5-(C_6H_5)_5C_5SnC_5H_5-h^5$ ; <i>J. Organomet. Chem.</i> <b>1988</b> , 346, 321-332. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/0022-328X(88)80132-3">http://dx.doi.org/10.1016/0022-328X(88)80132-3</a>
06	H. Schumann, C. Janiak, J. J. Zuckerman, Tetraphenylcyclopentadiene and (4-tert-Butylphenyl)cyclopentadiene: Synthesis and Characterization of their Alkali-Metal Salts and Metallocenes of Germanium, Tin, and Lead; <i>Chem. Ber.</i> <b>1988</b> , 121, 207-220; Correction: <i>Chem. Ber.</i> <b>1988</b> , 121, 1869. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19881210203">http://dx.doi.org/10.1002/cber.19881210203</a>
<b>1987</b>	<a href="#">to the top</a>
05	H. Schumann, C. Janiak, J. Pickardt, U. Börner, Pentabenzylcyclopentadienylthallium(I): Synthesis and Structure of a "Dimeric" Organothallium Compound with Tl–Tl Interaction; <i>Angew. Chem.</i> <b>1987</b> , 99, 788-789 [ <a href="#">pdf-file</a> ]; <i>Angew. Chem. Int. Ed. Engl.</i> <b>1987</b> , 26, 789-790. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/anie.198707891">http://dx.doi.org/10.1002/anie.198707891</a>
04	H. Schumann, C. Janiak, H. Khani, Cyclopentadienylthallium(I) compounds with bulky cyclopentadienyl ligands; <i>J. Organomet. Chem.</i> <b>1987</b> , 330, 347-355. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1016/S0022-328X(00)99048-X">http://dx.doi.org/10.1016/S0022-328X(00)99048-X</a>
<b>1986-1984</b>	<a href="#">to the top</a>
03	H. Schumann, C. Janiak, E. Hahn, C. Kolax, J. Loebel, M. D. Rausch, J. J. Zuckerman, M. J. Heeg, Decabenzylgermanocene, -stannocene and -plumbocene. Synthesis and Structure of Air-stable Metallocenes of Main Group IV; <i>Chem. Ber.</i> <b>1986</b> , 119, 2656-2667. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/cber.19861190822">http://dx.doi.org/10.1002/cber.19861190822</a>
02	H. Schumann, C. Janiak, E. Hahn, J. Loebel, J. J. Zuckerman, Decabenzylgermanocene: Synthesis and Structure of a Monomeric, Air-Stable Germanocene; <i>Angew. Chem.</i> <b>1985</b> , 97, 765; <i>Angew. Chem. Int. Ed. Engl.</i> <b>1985</b> , 24, 773-773. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1002/anie.198507731">http://dx.doi.org/10.1002/anie.198507731</a>
01	M. J. Heeg, C. Janiak, J. J. Zuckerman, Decaphenylstannocene, $[\eta^5-(C_6H_5)_5C_5]_2Sn^{II}$ : The First Symmetrical Main-Group Sandwich Compound; <i>J. Am. Chem. Soc.</i> <b>1984</b> , 106, 4259-4261. [ <a href="#">pdf-file</a> ] <a href="http://dx.doi.org/10.1021/ja00327a030">http://dx.doi.org/10.1021/ja00327a030</a>
<b>Patents</b>	<a href="#">to the top</a>
277	Partial coating of component with layer e.g. magnetic layer of metal-organic framework, by cleaning component and then annealing at specified temperature for specified duration, and functionalizing component with self-assembled monolayer; Patent Number(s): DE102011106668-A1 ; WO2013004726-A1 (Publication date: 10 Jan 2013; application dates 05 Jul 2011 and 04 Jul 2012, respectively), Inventor(s): F. Jeremias, S. Henninger, C. Janiak, Patent Assignee Name(s) and Code(s): Fraunhofer Ges Förderung Angewandten EV (Frau-C)
183b	Producing metal-containing nanoparticles, useful as catalyst, electrolyte or as sensor component, comprises introducing a metal carbonyl compound into an ionic liquid and decomposing the metal carbonyl compound; Patent Number(s): WO2009040107-A2 ; DE102007045878-A1 ; DE102007045878-B4 ;

	<p>WO2009040107-A3  Inventor(s): T. F. Beyersdorff, C. Janiak, M. Klingele, E. Redel, T. Schubert, M. H. Klingele,  Patent Assignee Name(s) and Code(s): UNIV FREIBURG ALBERT-LUDWIGS (UYFR-Non-standard)  IOLITEC (IOLI-Non-standard)  IOLITEC IONIC LIQUID TECHNOLOGIES GMBH (IOLI-Non-standard)</p> <p>C. Janiak, E. Redel, M. Klingele, T. F. Beyersdorf, T. J. S. Schubert,  Verfahren zur Herstellung von metallhaltigen Nanopartikeln;  <u>DE-Patent</u> DE 10 2007 045 878.0 (25. 09. 2007) (Univ. Freiburg und Firma IOLITEC).  <u>PCT/EP-Patentanmeldung</u>, PCT/EP2008/008084 (30.09.2008). <a href="#">[pdf-file]</a></p>
183a	<p>Preparing and stabilizing functional metal nanoparticle comprises reduction of soluble metal salts with hydrogen in ionic fluids, where the particle size of obtained nanoparticle is adjustable by variation of anions of the ionic fluids;  Patent Number(s): DE102007038879-A1; WO2009024312-A2; WO2009024312-A3  Inventor(s): T. Beyersdorff, C. Janiak, M. Klingele, E. Redel, T. Schubert,  Patent Assignee Name(s) and Code(s): UNIV FREIBURG ALBERT-LUDWIGS (UYFR-Non-standard)  IOLITEC IONIC LIQUID TECHNOLOGIES GMBH  IOLITEC IONIC LIQUIDS TECHNOLOGIES GMBH</p> <p>C. Janiak, E. Redel, M. Klingele, T. F. Beyersdorf, T. J. S. Schubert,  Verfahren zur Herstellung und Stabilisierung von funktionellen Metallnanopartikeln in ionischen Flüssigkeiten;  <u>DE-Patentanmeldung</u>, DE 10 2007 038 879.0 (Anmeldetag: 17. 08. 2007, Offenlegungstag: 19. 02. 2009) (Univ. Freiburg und Firma IOLITEC).  <u>PCT/EP-Patentanmeldung</u>, PCT/EP2008/006768 (23.10.2008), Veröffentlichung: 26. 02. 2009, WO2009/024312. <a href="#">[pdf-file]</a></p>
139	<p>C. Janiak; Jun, Seong Ho; Kim, Heon; Kim, Won Guk; P. G. Lassahn, Lim, Tae Seon; Oh, Jae Seung; Yoon, Seong Cheol,  Late transition metal catalyst for preparing cyclic olefin polymers.  <u>KR-Patentanmeldung</u> Repub. Korean Kongkae Taeho Kongbo (13. 9. 2003), (LG CHEMICAL LTD)  CODEN: KRXXA7 KR 2003072085 A 20030913 CAN 142:261926 AN 2004:973891 Classification international: C08F4/60; C08F4/00; (IPC1-7): C08F4/60.</p>
48	<p>S. Seelert, H.-J. Müller, B. L. Marczinke, F. Langhauser, C. Janiak,  Verfahren zur Herstellung von Olefin-Oligomeren;  <u>DE-Patentanmeldung</u>, DE19951003088.5 (31. 01. 1995) (BASF AG)  <u>WO-Patentanmeldung</u>, WO09623750 (08. 08. 1996) (BASF AG).</p>
28	<p>B. RIEGER, C. JANIAC,  Supported Catalyst Systems for the Polymerization of C2- to C10-Alkenes;  <u>EP-Patentanmeldung</u>, EP 92119692.8, Priorität DE 4139262 (29.11.1991) (BASF AG).  B. RIEGER, C. JANIAC,  Geträgerte Katalysatorsysteme zur Polymerisation von C2- bis C10-Alkenen;  <u>DE-Patentanmeldung</u> (BASF AG).</p>
<b>Textbooks, <a href="#">to the top</a></b>	
338	<p>E. Riedel, C. Janiak,  <i>Übungsbuch Allgemeine und Anorganische Chemie</i>, 3. Auflage Walter de Gruyter, Berlin (ISBN 978-3-11-022964-6; e-ISBN 978-3-11-022965-3) <b>2015</b>.</p>
258	<p>C. Janiak,  <i>Nichtmetallchemie – Grundlagen und Anwendungen</i>, 4. Auflage, ein Lehrbuch, Shaker Verlag (ISBN</p>

	978-3-8440-1042-8), Aachen <b>2012</b> , 289 Seiten.
250	C. Janiak, Kapitel 3: Komplex-/Koordinationschemie und Kapitel 4: Organometallchemie in C. Janiak, H.-J. Meyer, D. Gudat, R. Alsfasser <i>Moderne Anorganische Chemie</i> , 4. Auflage, (Hrsg. H.-J. Meyer) Walter de Gruyter, Berlin (ISBN 978-3-11-024900-2) <b>2012</b> .
235	E. Riedel, C. Janiak, <i>Übungsbuch Allgemeine und Anorganische Chemie</i> , 2. Aufl., Walter de Gruyter, Berlin (ISBN 978-3-11-022964-6; e-ISBN 978-3-11-022965-3) <b>2011</b> .
234	E. Riedel, C. Janiak, <i>Anorganische Chemie</i> , 8. Auflage, Walter de Gruyter, Berlin (ISBN 978-3-11-022566-2) <b>2011</b> .
208	E. Riedel, C. Janiak, <i>Übungsbuch Allgemeine und Anorganische Chemie</i> , Walter de Gruyter, Berlin (ISBN 978-3-11-020687-6) <b>2009</b> .
182	C. Janiak, <i>Nichtmetallchemie – Grundlagen und Anwendungen</i> , 3. Auflage, ein Lehrbuch, Shaker Verlag (ISBN 978-3-8322-4612-9), Aachen <b>2007</b> , 287 Seiten.
181	C. Janiak, Kapitel 3: Komplex-/Koordinationschemie und Kapitel 4: Organometallchemie in E. Riedel (Hrsg.), R. Alsfasser, C. Janiak, T. M. Klapötke, H.-J. Meyer, <i>Moderne Anorganische Chemie</i> , 3. Auflage, Walter de Gruyter, Berlin (ISBN 978-3-11-019060-1) <b>2007</b> .
180	E. Riedel, C. Janiak, <i>Anorganische Chemie</i> (mit DVD), 7. Auflage, Walter de Gruyter, Berlin (ISBN 978-3-11-018903-2) <b>2007</b> .
156	C. Janiak, <i>Nichtmetallchemie – Grundlagen und Anwendungen</i> , 2. Auflage, ein Lehrbuch, Shaker Verlag (ISBN 3-8265-8635-2), Aachen <b>2005</b> , 287 Seiten. <a href="http://www.amazon.de/exec/obidos/ASIN/3832246126/qid=1141135738/sr=8-1/ref=sr_8_xs_ap_il_xgl/302-4135999-26">www.amazon.de/exec/obidos/ASIN/3832246126/qid=1141135738/sr=8-1/ref=sr_8_xs_ap_il_xgl/302-4135999-26</a>
143	B. Krieg, C. Janiak, <i>Chemie für Mediziner und Studierende anderer Life Sciences</i> , 7. Auflage, Walter de Gruyter, Berlin (ISBN 3-11017999-7) <b>2004</b> .
134	C. Janiak, Kapitel 2: Koordinationschemie und Kapitel 4: Organometallchemie in E. Riedel (Hrsg.), C. Janiak, T. M. Klapötke, H.-J. Meyer, <i>Moderne Anorganische Chemie - ein Lehrbuch</i> , 2. Auflage, de Gruyter (ISBN 3-11-017838-9), Berlin, <b>2003</b> .
105	C. Janiak <i>Moderne Nichtmetallchemie – Grundlagen und Anwendungen</i> , ein Lehrbuch, Shaker Verlag (ISBN 3-8265-8635-2), Aachen <b>2001</b> , 281 Seiten.
67	C. Janiak, Kapitel 2: Koordinationschemie und Kapitel 4: Organometallchemie in E. Riedel (Hrsg.), C. Janiak, T. M. Klapötke, H.-J. Meyer, <i>Moderne Anorganische Chemie - ein Lehrbuch</i> , de Gruyter (ISBN 3-11-015672-5), Berlin, <b>1998</b> .
<b>H- or h-(Hirsch-)Index: 70</b>	

**Sum of times cited without self-citations: >18 900**

(Source: Web of Science, June 2017) [to the top](#)

(Hirsch or *h*-Index: Number *h* of those publications which have been cited at least *h* times,  
see J. E. Hirsch, An index to quantify an individual's scientific research output *PNAS* **2005**,102, 16569-16572.