Ralf Giernoth

List of Publications by Year
in descending order

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36	2,330	236925	315739
papers	citations	25 h-index	38 g-index

47	47	47	2898
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Taskâ€Specific Ionic Liquids. Angewandte Chemie - International Edition, 2010, 49, 2834-2839.	13.8	639
2	How Hydrogen Bonds Influence the Mobility of Imidazolium-Based Ionic Liquids. A Combined Theoretical and Experimental Study of 1-n-Butyl-3-methylimidazolium Bromide. Journal of Physical Chemistry B, 2011, 115, 15280-15288.	2.6	118
3	Intense near-infrared luminescence of anhydrous lanthanide(III) iodides in an imidazolium ionic liquid. Chemical Physics Letters, 2005, 402, 75-79.	2.6	116
4	The â€œNoncoordinatingâ€•Anion Tf2Nâ¯ Coordinates to Yb2+: A Structurally Characterized Tf2Nâ¯ Complex from the Ionic Liquid [mppyr][Tf2N]. Angewandte Chemie - International Edition, 2005, 44, 5485-5488.	13.8	104
5	Magnetic resonance spectroscopy in ionic liquids. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 51, 63-90.	7.5	100
6	BINBAM â€“ A New Motif for Strong and Chiral BrÃ¸nsted Acids. European Journal of Organic Chemistry, 2009, 2009, 3693-3697.	2.4	87
7	Determination of Defect States in Semiconductor Nanocrystals by Cyclic Voltammetry. Journal of Physical Chemistry B, 2005, 109, 20355-20360.	2.6	85
8	PHIP Detection of a Transient Rhodium Dihydride Intermediate in the Homogeneous Hydrogenation of Dehydroamino Acids. Journal of the American Chemical Society, 2000, 122, 12381-12382.	13.7	84
9	Strong luminescence of rare earth compounds in ionic liquids: Luminescent properties of lanthanide(III) iodides in the ionic liquid 1-dodecyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide. Journal of Alloys and Compounds, 2006, 418, 204-208.	5.5	64
10	Investigating the Kinetics of Homogeneous Hydrogenation Reactions Using PHIP NMR Spectroscopy. Journal of the American Chemical Society, 1999, 121, 5311-5318.	13.7	62
11	On the Nature of Interactions between Ionic Liquids and Small Aminoâ€Acidâ€Based Biomolecules. ChemPhysChem, 2013, 14, 4044-4064.	2.1	60
12	Ionic Liquids with a Twist: New Routes to Liquid Salts. Angewandte Chemie - International Edition, 2010, 49, 5608-5609.	13.8	55
13	High performance NMR in ionic liquids. Green Chemistry, 2005, 7, 279.	9.0	54
14	Heteronuclear NOE Spectroscopy of Ionic Liquids. ChemPhysChem, 2012, 13, 261-266.	2.1	50
15	Enantioselective Hydrogenation of Trimethylindolenine in Ionic Liquids. Advanced Synthesis and Catalysis, 2004, 346, 989-992.	4.3	49
16	Homogeneous Catalysis in Ionic Liquids. , 2005, , 1-23.		49
17	Transition-metal free ring deuteration of imidazolium ionic liquid cations. Tetrahedron Letters, 2006, 47, 4293-4296.	1.4	40
18	Intermediate Product-Catalyst Complexes in the Homogeneous Hydrogenation of Styrene Derivatives with Parahydrogen and Cationic RhI Catalysts. Angewandte Chemie - International Edition, 1998, 37, 2473-2475.	13.8	38

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19	Interactions in ionic liquids probed by in situ NMR spectroscopy. Journal of Molecular Liquids, 2014, 192, 55-58.	4.9	37
20	Ionic Liquids Beyond Simple Solvents: Glimpses at the State of the Art in Organic Chemistry. ChemistryOpen, 2015, 4, 677-681.	1.9	36
21	Observation of a stable cis-diphosphine solvate rhodium dihydride derived from PHANEPHOS. Chemical Communications, 2001, , 1296-1297.	4.1	35
22	BIOnic Liquids: Imidazolium-based Ionic Liquids with Antimicrobial Activity. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2013, 68, 1123-1128.	0.7	34
23	Application of Diffusion-Ordered Spectroscopy (DOSY) as a Solvent Signal Filter for NMR in Neat Ionic Liquids. European Journal of Organic Chemistry, 2005, 2005, 4529-4532.	2.4	29
24	Transitionâ€Metalâ€Free Synthesis of Perdeuterated Imidazolium Ionic Liquids by Alkylation and H/D Exchange. European Journal of Organic Chemistry, 2008, 2008, 2881-2886.	2.4	26
25	Rhodium- and palladium-catalysed proton exchange in styrene detected in situ by para-hydrogen induced polarization. Chemical Communications, 1996, , 2483.	4.1	25
26	Heterogeneous Charge Transfer of Colloidal Nanocrystals in Ionic Liquids. ChemPhysChem, 2006, 7, 77-81.	2.1	25
27	NMR Spectroscopy in Ionic Liquds. Topics in Current Chemistry, 2008, 290, 263-283.	4.0	25
28	Application of Roomâ€Temperature Aprotic and Protic Ionic Liquids for Oxidative Folding of Cysteineâ€Rich Peptides. ChemBioChem, 2014, 15, 2754-2765.	2.6	22
29	Electron Beam Immobilization of Novel Antimicrobial, Short Peptide Motifs Leads to Membrane Surfaces with Promising Antibacterial Properties. Journal of Functional Biomaterials, 2018, 9, 21.	4.4	12
30	Determination of interâ€ionic and intraâ€ionic interactions in a monofluorinated imidazolium ionic liquid by a combination of Xâ€ray crystallography and NOE NMR spectroscopy. Magnetic Resonance in Chemistry, 2018, 56, 80-85.	1.9	11
31	Interplay of synthesis and mechanism in asymmetric homogeneous catalysis. Pure and Applied Chemistry, 2001, 73, 343-346.	1.9	8
32	Conformationally Restricted Arene Intermediates in the Intermolecular Heck Arylation of Vinylarenes. Advanced Synthesis and Catalysis, 2004, 346, 983-988.	4.3	8
33	Influence of Hofmeister Ions on the Structure of Proline-Based Peptide Models: A Combined Experimental and Molecular Modeling Study. Journal of Physical Chemistry B, 2017, 121, 2062-2072.	2.6	7
34	Hydrogenation. , 2005, , 359-378.		6
35	In Situ IR Spectroscopy in Ionic Liquids: Toward the Detection of Reactive Intermediates in Transition Metal Catalysis. ACS Symposium Series, 2005, , 79-88.	0.5	2
36	PHIP NMR Spectroscopy in Ionic Liquids: Influence of Salts on the Intensity of Polarization Signals. Analytical Chemistry, 2014, 86, 10311-10314.	6.5	2