

Ralf Giernoth

List of Publications by Year in descending order

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36
papers

2,330
citations

236925

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315739

38
g-index

47
all docs

47
docs citations

47
times ranked

2898
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 80-85.	1.9	11
2	Electron Beam Immobilization of Novel Antimicrobial, Short Peptide Motifs Leads to Membrane Surfaces with Promising Antibacterial Properties. <i>Journal of Functional Biomaterials</i> , 2018, 9, 21.	4.4	12
3	Influence of Hofmeister Ions on the Structure of Proline-Based Peptide Models: A Combined Experimental and Molecular Modeling Study. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2062-2072.	2.6	7
4	Ionic Liquids Beyond Simple Solvents: Glimpses at the State of the Art in Organic Chemistry. <i>ChemistryOpen</i> , 2015, 4, 677-681.	1.9	36
5	Application of Roomâ€¦Temperature Aprotic and Protic Ionic Liquids for Oxidative Folding of Cysteineâ€¦Rich Peptides. <i>ChemBioChem</i> , 2014, 15, 2754-2765.	2.6	22
6	PHIP NMR Spectroscopy in Ionic Liquids: Influence of Salts on the Intensity of Polarization Signals. <i>Analytical Chemistry</i> , 2014, 86, 10311-10314.	6.5	2
7	Interactions in ionic liquids probed by in situ NMR spectroscopy. <i>Journal of Molecular Liquids</i> , 2014, 192, 55-58.	4.9	37
8	On the Nature of Interactions between Ionic Liquids and Small Aminoâ€¦Acidâ€¦Based Biomolecules. <i>ChemPhysChem</i> , 2013, 14, 4044-4064.	2.1	60
9	BIOnc Liquids: Imidazolium-based Ionic Liquids with Antimicrobial Activity. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013, 68, 1123-1128.	0.7	34
10	Heteronuclear NOE Spectroscopy of Ionic Liquids. <i>ChemPhysChem</i> , 2012, 13, 261-266.	2.1	50
11	How Hydrogen Bonds Influence the Mobility of Imidazolium-Based Ionic Liquids. A Combined Theoretical and Experimental Study of 1- <i>n</i> -Butyl-3-methylimidazolium Bromide. <i>Journal of Physical Chemistry B</i> , 2011, 115, 15280-15288.	2.6	118
12	Taskâ€¦Specific Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2834-2839.	13.8	639
13	Ionic Liquids with a Twist: New Routes to Liquid Salts. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5608-5609.	13.8	55
14	BINBAM â€¦ A New Motif for Strong and Chiral Brønsted Acids. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3693-3697.	2.4	87
15	Transitionâ€¦Metalâ€¦Free Synthesis of Perdeuterated Imidazolium Ionic Liquids by Alkylation and H/D Exchange. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2881-2886.	2.4	26
16	NMR Spectroscopy in Ionic Liquids. <i>Topics in Current Chemistry</i> , 2008, 290, 263-283.	4.0	25
17	Magnetic resonance spectroscopy in ionic liquids. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2007, 51, 63-90.	7.5	100
18	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. <i>Journal of Alloys and Compounds</i> , 2006, 418, 204-208.	5.5	64

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19	Transition-metal free ring deuteration of imidazolium ionic liquid cations. <i>Tetrahedron Letters</i> , 2006, 47, 4293-4296.	1.4	40
20	Heterogeneous Charge Transfer of Colloidal Nanocrystals in Ionic Liquids. <i>ChemPhysChem</i> , 2006, 7, 77-81.	2.1	25
21	Intense near-infrared luminescence of anhydrous lanthanide(III) iodides in an imidazolium ionic liquid. <i>Chemical Physics Letters</i> , 2005, 402, 75-79.	2.6	116
22	In Situ IR Spectroscopy in Ionic Liquids: Toward the Detection of Reactive Intermediates in Transition Metal Catalysis. <i>ACS Symposium Series</i> , 2005, , 79-88.	0.5	2
23	Application of Diffusion-Ordered Spectroscopy (DOSY) as a Solvent Signal Filter for NMR in Neat Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4529-4532.	2.4	29
24	The "Noncoordinating" Anion Tf ₂ N ⁻ Coordinates to Yb ²⁺ : A Structurally Characterized Tf ₂ N ⁻ Complex from the Ionic Liquid [mppy ^r][Tf ₂ N]. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5485-5488.	13.8	104
25	Hydrogenation. , 2005, , 359-378.		6
26	High performance NMR in ionic liquids. <i>Green Chemistry</i> , 2005, 7, 279.	9.0	54
27	Determination of Defect States in Semiconductor Nanocrystals by Cyclic Voltammetry. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20355-20360.	2.6	85
28	Homogeneous Catalysis in Ionic Liquids. , 2005, , 1-23.		49
29	Enantioselective Hydrogenation of Trimethylindolenine in Ionic Liquids. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 989-992.	4.3	49
30	Conformationally Restricted Arene Intermediates in the Intermolecular Heck Arylation of Vinylarenes. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 983-988.	4.3	8
31	Observation of a stable cis-diphosphine solvate rhodium dihydride derived from PHANEPHOS. <i>Chemical Communications</i> , 2001, , 1296-1297.	4.1	35
32	Interplay of synthesis and mechanism in asymmetric homogeneous catalysis. <i>Pure and Applied Chemistry</i> , 2001, 73, 343-346.	1.9	8
33	PHIP Detection of a Transient Rhodium Dihydride Intermediate in the Homogeneous Hydrogenation of Dehydroamino Acids. <i>Journal of the American Chemical Society</i> , 2000, 122, 12381-12382.	13.7	84
34	Investigating the Kinetics of Homogeneous Hydrogenation Reactions Using PHIP NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1999, 121, 5311-5318.	13.7	62
35	Intermediate Product-Catalyst Complexes in the Homogeneous Hydrogenation of Styrene Derivatives with Parahydrogen and Cationic RhI Catalysts. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2473-2475.	13.8	38
36	Rhodium- and palladium-catalysed proton exchange in styrene detected in situ by para-hydrogen induced polarization. <i>Chemical Communications</i> , 1996, , 2483.	4.1	25