

Mark J Muldoon

List of Publications by Year in descending order

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34
papers

3,421
citations

304743

22
h-index

377865

34
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43
all docs

43
docs citations

43
times ranked

3829
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving Carbon Dioxide Solubility in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9001-9009.	2.6	697
2	Phase transition and decomposition temperatures, heat capacities and viscosities of pyridinium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 559-568.	2.0	642
3	Investigations of solvent-solute interactions in room temperature ionic liquids using solvatochromic dyes. <i>Perkin Transactions II RSC</i> , 2001, , 433-435.	1.1	347
4	Aerobic oxidation catalysis with stable radicals. <i>Chemical Communications</i> , 2014, 50, 4524-4543.	4.1	319
5	Ionic liquids: polar, but weakly coordinating solvents for the first biphasic oligomerisation of ethene to higher 1-olefins with cationic Ni complexes. <i>Chemical Communications</i> , 2001, , 1186-1187.	4.1	157
6	Liquid Phase Behavior of Ionic Liquids with Alcohols: Experimental Studies and Modeling. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9354-9361.	2.6	133
7	Copper/TEMPO catalysed synthesis of nitriles from aldehydes or alcohols using aqueous ammonia and with air as the oxidant. <i>Chemical Communications</i> , 2013, 49, 6030.	4.1	133
8	Bimolecular rate constants for diffusion in ionic liquids Electronic supplementary information (ESI) available: Fig. S1: isokinetic plot obtained for the energy transfer reaction of 3BP* and N in five ionic liquids, toluene and acetonitrile. See http://www.rsc.org/suppdata/cc/b2/b202944h/ . <i>Chemical Communications</i> , 2002, , 1880-1881.	4.1	101
9	Synthesis of gel-type polymer beads from ionic liquid monomers. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3865-3869.	2.3	96
10	Supported ionic liquid phase catalysis with supercritical flow. <i>Chemical Communications</i> , 2007, , 1462.	4.1	81
11	Solvent strength of ionic liquid/CO ₂ mixtures. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3280.	2.8	79
12	Modern multiphase catalysis: new developments in the separation of homogeneous catalysts. <i>Dalton Transactions</i> , 2010, 39, 337-348.	3.3	56
13	Continuous flow hydroformylation using supported ionic liquid phase catalysts with carbon dioxide as a carrier. <i>Dalton Transactions</i> , 2010, 39, 8501.	3.3	54
14	Solventless continuous flow homogeneous hydroformylation of 1-octene. <i>Dalton Transactions</i> , 2007, , 5531.	3.3	50
15	Mechanism of Catalytic Oxidation of Styrenes with Hydrogen Peroxide in the Presence of Cationic Palladium(II) Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12495-12503.	13.7	49
16	Anionic N,O-ligated Pd(II) complexes: highly active catalysts for alcohol oxidation. <i>Chemical Communications</i> , 2010, 46, 7238.	4.1	48
17	Cationic palladium(II) complexes as catalysts for the oxidation of terminal olefins to methyl ketones using hydrogen peroxide. <i>Green Chemistry</i> , 2015, 17, 2750-2757.	9.0	45
18	The synthesis of N-heterocycles via copper/TEMPO catalysed aerobic oxidation of amino alcohols. <i>Green Chemistry</i> , 2012, 14, 1281.	9.0	44

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19	Hydrogen abstraction from ionic liquids by benzophenone triplet excited states. <i>Chemical Communications</i> , 2001, , 2364-2365.	4.1	41
20	An efficient Cu(<i>ii</i>)-bis(oxazoline)-based polymer immobilised ionic liquid phase catalyst for asymmetric carbon-carbon bond formation. <i>Green Chemistry</i> , 2014, 16, 1470-1479.	9.0	35
21	Copper(<i>i</i>)/ketoABNO catalysed aerobic alcohol oxidation. <i>Catalysis Science and Technology</i> , 2014, 4, 1720-1725.	4.1	34
22	A highly efficient palladium(<i>ii</i>)/polyoxometalate catalyst system for aerobic oxidation of alcohols. <i>Catalysis Science and Technology</i> , 2015, 5, 1428-1432.	4.1	25
23	N,O-ligated Pd(<i>ii</i>) complexes for catalytic alcohol oxidation. <i>Catalysis Science and Technology</i> , 2014, 4, 2526-2534.	4.1	19
24	Palladium(<i>II</i>)-Catalysed Aminocarbonylation of Terminal Alkynes for the Synthesis of α -Amides: Addressing the Challenges of Solvents and Gas Mixtures. <i>ChemSusChem</i> , 2017, 10, 675-680.	6.8	18
25	Notes on the Asymmetric Hydrogenation of Methyl Acetoacetate in Neoteric Solvents. <i>Catalysis Letters</i> , 2010, 134, 279-287.	2.6	17
26	Synthesis of α -Alkynoates by Palladium(<i>II</i>)-Catalyzed Oxidative Carbonylation of Terminal Alkynes and Alcohols. <i>Chemistry - A European Journal</i> , 2016, 22, 11982-11985.	3.3	17
27	Cationic Palladium(<i>II</i>) Complexes for Catalytic Wacker-type Oxidation of Styrenes to Ketones Using O_2 as the Sole Oxidant. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5604-5608.	2.0	14
28	Crystal engineering with ionic liquids. <i>CrystEngComm</i> , 2012, 14, 4873.	2.6	12
29	Using chiral ionic liquid additives to enhance asymmetric induction in a Diels-Alder reaction. <i>Dalton Transactions</i> , 2017, 46, 1704-1713.	3.3	10
30	Diffusion-Controlled Reactions in Room Temperature Ionic Liquids. <i>ACS Symposium Series</i> , 2003, , 357-369.	0.5	8
31	Palladium-Catalyzed Oxidative Synthesis of Highly Functionalized Ortholactones. <i>Chemistry - A European Journal</i> , 2015, 21, 7726-7730.	3.3	7
32	Influence of ionic liquids on the crystalline structure of nanocolloids. <i>CrystEngComm</i> , 2011, 13, 3330.	2.6	6
33	Photochemistry in Ionic Liquids. <i>ACS Symposium Series</i> , 2002, , 428-443.	0.5	3
34	Comparison of three stationary phases in the separation of polyphenyls by liquid chromatography. <i>Journal of Chromatography A</i> , 2022, 1671, 462992.	3.7	3