

Robert D Singer

List of Publications by Year in descending order

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54
papers

3,767
citations

257450

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189892

50
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59
all docs

59
docs citations

59
times ranked

3611
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid Assisted Grinding for the N-Demethylation of Alkaloids. ACS Sustainable Chemistry and Engineering, 2018, 6, 10052-10057.	6.7	17
2	Utility of iron nanoparticles and a solution-phase iron species for the N-demethylation of alkaloids. Green Chemistry, 2017, 19, 2587-2594.	9.0	13
3	Direct Synthesis of a Copper(II) N-Heterocyclic Carbene Complex in Air. Organometallics, 2017, 36, 3175-3177.	2.3	22
4	Catalytic aerobic oxidation of lignin-derived bio-oils using oxovanadium and copper complex catalysts and ionic liquids. Journal of Molecular Catalysis A, 2016, 423, 414-422.	4.8	19
5	Ionic Thiourea Organocatalysis of the Morita-Baylis-Hillman Reaction. Australian Journal of Chemistry, 2016, 69, 759.	0.9	5
6	Nitrogen-Containing Ionic Liquids: Biodegradation Studies and Utility in Base-Mediated Reactions. Australian Journal of Chemistry, 2015, 68, 849.	0.9	10
7	Recyclable ionic liquid tagged Co(salen) catalysts for the oxidation of lignin model compounds. Canadian Journal of Chemistry, 2013, 91, 1258-1261.	1.1	17
8	Electrochemical surface-enhanced Raman spectroscopy (E-SERS) of novel biodegradable ionic liquids. Physical Chemistry Chemical Physics, 2013, 15, 19205.	2.8	23
9	Synthesis and application of Co(salen) complexes containing proximal imidazolium ionic liquid cores. Canadian Journal of Chemistry, 2012, 90, 60-70.	1.1	18
10	Grignard Reactions in Pyridinium and Phosphonium Ionic Liquids. European Journal of Organic Chemistry, 2011, 2011, 942-950.	2.4	31
11	Ionic Liquid Complexes for Metal Extractions and Biphasic Catalysis. ACS Symposium Series, 2010, , 239-253.	0.5	0
12	Two-Step Iron(0)-Mediated N-Demethylation of <i>N</i> -Methyl Alkaloids. Journal of Organic Chemistry, 2010, 75, 4806-4811.	3.2	50
13	Sonogashira coupling reactions in biodegradable ionic liquids derived from nicotinic acid. Green Chemistry, 2010, 12, 650.	9.0	58
14	Further studies on the biodegradation of ionic liquids. Green Chemistry, 2010, 12, 1783.	9.0	61
15	Spontaneous vesicle formation with an ionic liquid amphiphile. Journal of Colloid and Interface Science, 2009, 335, 105-111.	9.4	40
16	Further investigation of the biodegradability of imidazolium ionic liquids. Green Chemistry, 2009, 11, 821.	9.0	112
17	Biodegradable pyridinium ionic liquids: design, synthesis and evaluation. Green Chemistry, 2009, 11, 83-90.	9.0	156
18	Phosphonium ionic liquids: design, synthesis and evaluation of biodegradability. Green Chemistry, 2009, 11, 1595.	9.0	137

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19	Removal of metal ions from aqueous solutions using chelating task-specific ionic liquids. Dalton Transactions, 2008, , 4595.	3.3	69
20	Salicylaldoxime and salen containing imidazolium ionic liquids for biphasic catalysis and metal extractions. Dalton Transactions, 2008, , 4834.	3.3	38
21	Cocrystal Controlled Solid-State Synthesis. A Green Chemistry Experiment for Undergraduate Organic Chemistry. Journal of Chemical Education, 2008, 85, 1649.	2.3	27
22	The design and synthesis of biodegradable pyridinium ionic liquids. Green Chemistry, 2008, 10, 436.	9.0	90
23	Biodegradable Ionic Liquids: Selected Synthetic Applications. Australian Journal of Chemistry, 2007, 60, 843.	0.9	34
24	Metal Chelate Formation Using a Task-Specific Ionic Liquid. Inorganic Chemistry, 2006, 45, 10025-10027.	4.0	35
25	Silylstannations of α,β -Unsaturated Carbonyl Compounds via the Generation of Bu_3Sn^- in Ionic Liquids.. ChemInform, 2006, 37, no.	0.0	0
26	A Reassessment of the Transition Metal Free Suzuki-Type Coupling Methodology.. ChemInform, 2005, 36, no.	0.0	0
27	Ionic Liquids: The Neglected Issues.. ChemInform, 2005, 36, no.	0.0	3
28	Silylstannations of α,β -unsaturated carbonyl compounds via the generation of Bu_3Sn^- in ionic liquids. Chemical Communications, 2005, , 4474.	4.1	4
29	Ionic Liquids: The Neglected Issues. Australian Journal of Chemistry, 2005, 58, 155.	0.9	268
30	A Reassessment of the Transition-Metal Free Suzuki-Type Coupling Methodology. Journal of Organic Chemistry, 2005, 70, 161-168.	3.2	364
31	Manganese Dioxide Allylic and Benzylic Oxidation Reactions in Ionic Liquids. Australian Journal of Chemistry, 2004, 57, 125.	0.9	24
32	Manganese Dioxide Allylic and Benzylic Oxidation Reactions in Ionic Liquids.. ChemInform, 2004, 35, no.	0.0	0
33	Quantification of chloride ion impurities in ionic liquids using ICP-MS analysis. Green Chemistry, 2004, 6, 341.	9.0	34
34	Title is missing!. Journal of Chemical Crystallography, 2003, 33, 287-295.	1.1	9
35	Use of ab Initio Calculations toward the Rational Design of Room Temperature Ionic Liquids. Journal of Physical Chemistry A, 2003, 107, 2277-2288.	2.5	354
36	Efficient N-Demethylation of Opiate Alkaloids Using a Modified Nonclassical Polonovski Reaction. Journal of Organic Chemistry, 2003, 68, 9847-9850.	3.2	82

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37	Silylstannation of terminal alkynes using a recyclable palladium(0) catalyst immobilised in an ionic liquid. <i>Chemical Communications</i> , 2002, , 1884-1885.	4.1	18
38	Alternative methods for the MnO ₂ oxidation of codeine methyl ether to thebaine utilizing ionic liquids. <i>Tetrahedron Letters</i> , 2001, 42, 6831-6833.	1.4	26
39	1-Ethyl-3-methylimidazolium halogenoaluminate ionic liquids as reaction media for the acylative cleavage of ethers. <i>Tetrahedron Letters</i> , 2000, 41, 1343-1346.	1.4	78
40	1-Ethyl-3-methylimidazolium halogenoaluminate ionic liquids as solvents for Friedel-Crafts acylation reactions of ferrocene. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 63-66.	1.1	120
41	Crystal structures of a series of 3,7-bis-(arylo)-1,3,5,7-tetraazabicyclo[3.3.1]nonanes. <i>Journal of Chemical Crystallography</i> , 1998, 28, 797-809.	1.1	5
42	Conjugate addition of dimethylphenylsilyllithium to α,β -unsaturated carbonyl compounds mediated by sub-stoichiometric quantities of dimethylzinc. <i>Tetrahedron Letters</i> , 1997, 38, 7313-7316.	1.4	13
43	1-Ethyl-3-methylimidazolium halogenoaluminate melts as reaction media for the Friedel-Crafts acylation of ferrocene. <i>Chemical Communications</i> , 1996, , 2753-2754.	4.1	73
44	Conjugate Addition of Zinc Halide Derived Trialkylsilyl(dialkyl)zincate Reagents to α,β -Unsaturated Carbonyl Compounds. <i>Tetrahedron Letters</i> , 1995, 36, 5683-5686.	1.4	12
45	X-ray crystal structure of 1,4-diphenylbutadiyne. <i>Journal of Chemical Crystallography</i> , 1994, 24, 715-717.	1.1	15
46	A convenient preparation of functionalized arylzinc compounds by the reaction of zinc/silver-graphite with aryl iodides. <i>Tetrahedron Letters</i> , 1994, 35, 1047-1050.	1.4	34
47	Preparation and reactions of polyfunctional organozinc reagents in organic synthesis. <i>Chemical Reviews</i> , 1993, 93, 2117-2188.	47.7	1,012
48	Effect of coordinating solvent on higher-order organocyanocuprates. <i>Journal of Organic Chemistry</i> , 1992, 57, 2192-2195.	3.2	14
49	Additions of copper cyanide (CuCN)-derived stannylcuprates to terminal alkynes: a comparative spectroscopic and chemical study. <i>Journal of Organic Chemistry</i> , 1991, 56, 4933-4938.	3.2	37
50	The composition and chemistry of the mixed higher-order cuprates (PhMe ₂ Si) _m (CH ₃) _n Cu(CN)Li _(m+n) . <i>Journal of Organic Chemistry</i> , 1991, 56, 3510-3514.	3.2	23
51	Spectroscopic and chemical evidence for the reversible formation of vinyl copper intermediates in stannylcupration of terminal alkynes. <i>Journal of the American Chemical Society</i> , 1990, 112, 9397-9398.	13.7	21
52	Synthesis and cis-trans isomerism of (pentamethylcyclopentadienyl)rhenium(III) halide complexes formed by oxidative addition of X ₂ or HX (X = chlorine, bromine, iodine) to (.eta. ⁵ -C ₅ Me ₅)Re(CO) ₂ (PMe ₃) or (.eta. ⁵ -C ₅ Me ₅)Re(CO)(PMe ₃)(N ₂). <i>Inorganic Chemistry</i> , 1989, 28, 4217-4221.	4.0	10
53	Open chain nitrogen compounds. Part XI. 3,7-Bis(arylo)-1,3,5,7-tetraazabicyclo[3,3,1]nonanes: the reaction of diazonium ions with ammonia-formaldehyde mixtures. <i>Canadian Journal of Chemistry</i> , 1986, 64, 1567-1572.	1.1	16
54	Rhenium dinitrogen complex (.eta. ⁵ -C ₅ Me ₅)Re(CO)(PMe ₃)(N ₂). Facile photochemical generation of a rhenium intermediate and oxidative addition of hydrocarbon C-H bonds. <i>Journal of the American Chemical Society</i> , 1986, 108, 3107-3108.	13.7	16