

# Robert D Singer

## List of Publications by Year in descending order

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54  
papers

3,767  
citations

257450

24  
h-index

189892

50  
g-index

59  
all docs

59  
docs citations

59  
times ranked

3611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and reactions of polyfunctional organozinc reagents in organic synthesis. <i>Chemical Reviews</i> , 1993, 93, 2117-2188.	47.7	1,012
2	A Reassessment of the Transition-Metal Free Suzuki-Type Coupling Methodology. <i>Journal of Organic Chemistry</i> , 2005, 70, 161-168.	3.2	364
3	Use of ab Initio Calculations toward the Rational Design of Room Temperature Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2277-2288.	2.5	354
4	Ionic Liquids: The Neglected Issues. <i>Australian Journal of Chemistry</i> , 2005, 58, 155.	0.9	268
5	Biodegradable pyridinium ionic liquids: design, synthesis and evaluation. <i>Green Chemistry</i> , 2009, 11, 83-90.	9.0	156
6	Phosphonium ionic liquids: design, synthesis and evaluation of biodegradability. <i>Green Chemistry</i> , 2009, 11, 1595.	9.0	137
7	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
8	Further investigation of the biodegradability of imidazolium ionic liquids. <i>Green Chemistry</i> , 2009, 11, 821.	9.0	112
9	The design and synthesis of biodegradable pyridinium ionic liquids. <i>Green Chemistry</i> , 2008, 10, 436.	9.0	90
10	Efficient N-Demethylation of Opiate Alkaloids Using a Modified Nonclassical Polonovski Reaction. <i>Journal of Organic Chemistry</i> , 2003, 68, 9847-9850.	3.2	82
11	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
12	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
13	Removal of metal ions from aqueous solutions using chelating task-specific ionic liquids. <i>Dalton Transactions</i> , 2008, , 4595.	3.3	69
14	Further studies on the biodegradation of ionic liquids. <i>Green Chemistry</i> , 2010, 12, 1783.	9.0	61
15	Sonogashira coupling reactions in biodegradable ionic liquids derived from nicotinic acid. <i>Green Chemistry</i> , 2010, 12, 650.	9.0	58
16	Two-Step Iron(0)-Mediated N-Demethylation of <i>N</i> -Methyl Alkaloids. <i>Journal of Organic Chemistry</i> , 2010, 75, 4806-4811.	3.2	50
17	Spontaneous vesicle formation with an ionic liquid amphiphile. <i>Journal of Colloid and Interface Science</i> , 2009, 335, 105-111.	9.4	40
18	Salicylaldoxime and salen containing imidazolium ionic liquids for biphasic catalysis and metal extractions. <i>Dalton Transactions</i> , 2008, , 4834.	3.3	38

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19	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
20	Metal Chelate Formation Using a Task-Specific Ionic Liquid. <i>Inorganic Chemistry</i> , 2006, 45, 10025-10027.	4.0	35
21	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
22	Quantification of chloride ion impurities in ionic liquids using ICP-MS analysis. <i>Green Chemistry</i> , 2004, 6, 341.	9.0	34
23	Biodegradable Ionic Liquids: Selected Synthetic Applications. <i>Australian Journal of Chemistry</i> , 2007, 60, 843.	0.9	34
24	Grignard Reactions in Pyridinium and Phosphonium Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 942-950.	2.4	31
25	Cocrystal Controlled Solid-State Synthesis. A Green Chemistry Experiment for Undergraduate Organic Chemistry. <i>Journal of Chemical Education</i> , 2008, 85, 1649.	2.3	27
26	Alternative methods for the MnO <sub>2</sub> oxidation of codeine methyl ether to thebaine utilizing ionic liquids. <i>Tetrahedron Letters</i> , 2001, 42, 6831-6833.	1.4	26
27	Manganese Dioxide Allylic and Benzylic Oxidation Reactions in Ionic Liquids. <i>Australian Journal of Chemistry</i> , 2004, 57, 125.	0.9	24
28	The composition and chemistry of the mixed higher-order cuprates (PhMe <sub>2</sub> Si) <sub>m</sub> (CH <sub>3</sub> ) <sub>n</sub> Cu(CN)Li <sub>(m+n)</sub> . <i>Journal of Organic Chemistry</i> , 1991, 56, 3510-3514.	3.2	23
29	Electrochemical surface-enhanced Raman spectroscopy (E-SERS) of novel biodegradable ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19205.	2.8	23
30	Direct Synthesis of a Copper(II) N-Heterocyclic Carbene Complex in Air. <i>Organometallics</i> , 2017, 36, 3175-3177.	2.3	22
31	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
32	Catalytic aerobic oxidation of lignin-derived bio-oils using oxovanadium and copper complex catalysts and ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 414-422.	4.8	19
33	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
34	Synthesis and application of Co(salen) complexes containing proximal imidazolium ionic liquid cores. <i>Canadian Journal of Chemistry</i> , 2012, 90, 60-70.	1.1	18
35	Recyclable ionic liquid tagged Co(salen) catalysts for the oxidation of lignin model compounds. <i>Canadian Journal of Chemistry</i> , 2013, 91, 1258-1261.	1.1	17
36	Liquid Assisted Grinding for the N-Demethylation of Alkaloids. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10052-10057.	6.7	17

#	ARTICLE	IF	CITATIONS
37	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 ammoniaâ€“formaldehyde mixtures. Canadian Journal of Chemistry, 1986, 64, 1567-1572.	1.1	16
38	Rhenium dinitrogen complex (.eta.-C5Me5)Re(CO)(PMe3)(N2). Facile photochemical generation of a rhenium intermediate and oxidative addition of hydrocarbon C-H bonds. Journal of the American Chemical Society, 1986, 108, 3107-3108.	13.7	16
39	X-ray crystal structure of 1,4-diphenylbutadiyne. Journal of Chemical Crystallography, 1994, 24, 715-717.	1.1	15
40	Effect of coordinating solvent on higher-order organocyanocuprates. Journal of Organic Chemistry, 1992, 57, 2192-2195.	3.2	14
41	Conjugate addition of dimethylphenylsilyllithium to $\hat{1}\pm, \hat{1}^2$ -unsaturated carbonyl compounds mediated by sub-stoichiometric quantities of dimethylzinc. Tetrahedron Letters, 1997, 38, 7313-7316.	1.4	13
42	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
43	Conjugate Addition of Zinc Halide Derived Trialkylsilyl(dialkyl)zincate Reagents to $\hat{1}\pm, \hat{1}^2$ -Unsaturated Carbonyl Compounds. Tetrahedron Letters, 1995, 36, 5683-5686.	1.4	12
44	Synthesis and cis-trans isomerism of (pentamethylcyclopentadienyl)rhenium(III) halide complexes formed by oxidative addition of X2 or HX (X = chlorine, bromine, iodine) to (.eta.5-C5Me5)Re(CO)2(PMe3) or (.eta.5-C5Me5)Re(CO)(PMe3)(N2). Inorganic Chemistry, 1989, 28, 4217-4221.	4.0	10
45	Nitrogen-Containing Ionic Liquids: Biodegradation Studies and Utility in Base-Mediated Reactions. Australian Journal of Chemistry, 2015, 68, 849.	0.9	10
46	Title is missing!. Journal of Chemical Crystallography, 2003, 33, 287-295.	1.1	9
47	Crystal structures of a series of 3,7-bis-(arylo)-1,3,5,7-tetraazabicyclo[3.3.1]nonanes. Journal of Chemical Crystallography, 1998, 28, 797-809.	1.1	5
48	Ionic Thiourea Organocatalysis of the Moritaâ€“Baylisâ€“Hillman Reaction. Australian Journal of Chemistry, 2016, 69, 759.	0.9	5
49	Silylstannations of $\hat{1}\pm, \hat{1}^2$ -unsaturated carbonyl compounds via the generation of Bu3Snâ€“ in ionic liquids. Chemical Communications, 2005, , 4474.	4.1	4
50	Ionic Liquids: The Neglected Issues.. ChemInform, 2005, 36, no.	0.0	3
51	Manganese Dioxide Allylic and Benzylic Oxidation Reactions in Ionic Liquids.. ChemInform, 2004, 35, no.	0.0	0
52	A Reassessment of the Transition Metal Free Suzuki-Type Coupling Methodology.. ChemInform, 2005, 36, no.	0.0	0
53	Silylstannations of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Carbonyl Compounds via the Generation of Bu3Sn- in Ionic Liquids.. ChemInform, 2006, 37, no.	0.0	0
54	Ionic Liquid Complexes for Metal Extractions and Biphasic Catalysis. ACS Symposium Series, 2010, , 239-253.	0.5	0