Bruce H Lipshutz

List of Publications by Citations

207 papers	11,966 citations	67 h-index	101 g-index
210 ext. papers	13,642 ext. citations	9 avg, IF	7.02 L-index

#	Paper	IF	Citations
207	CuH-catalyzed reactions. *Chemical Reviews*, **2008**, 108, 2916-27	68.1	530
206	Heterogeneous copper-in-charcoal-catalyzed click chemistry. *Angewandte Chemie - International Edition*, **2006**, 45, 8235-8	16.4	307
205	TPGS-750-M: a second-generation amphiphile for metal-catalyzed cross-couplings in water at room temperature. *Journal of Organic Chemistry*, **2011**, 76, 4379-91	4.2	291
204	Asymmetric hydrosilylation of aryl ketones catalyzed by copper hydride complexed by nonracemic biphenyl bis-phosphine ligands. *Journal of the American Chemical Society*, **2003**, 125, 8779-89	16.4	274
203	Zn-mediated, Pd-catalyzed cross-couplings in water at room temperature without prior formation of organozinc reagents. *Journal of the American Chemical Society*, **2009**, 131, 15592-3	16.4	214
202	Sustainable Fe-ppm Pd nanoparticle catalysis of Suzuki-Miyaura cross-couplings in water. *Science*, **2015**, 349, 1087-91	33.3	202
201	High-performance mussel-inspired adhesives of reduced complexity. *Nature Communications*, **2015**, 6, 8663	17.4	186
200	The Hydrophobic Effect Applied to Organic Synthesis: Recent Synthetic Chemistry "in Water". *Chemistry - A European Journal*, **2018**, 24, 6672-6695	4.8	176
199	Sonogashira couplings of aryl bromides: room temperature, water only, no copper. *Organic Letters*, **2008**, 10, 3793-6	6.2	169
198	Asymmetric 1,4-hydrosilylations of alpha,beta-unsaturated esters. *Journal of the American Chemical Society*, **2004**, 126, 8352-3	16.4	165
197	Copper(I)-catalyzed asymmetric hydrosilylations of imines at ambient temperatures. *Angewandte Chemie - International Edition*, **2004**, 43, 2228-30	16.4	164
196	Room temperature C-H activation and cross-coupling of aryl ureas in water. *Angewandte Chemie - International Edition*, **2010**, 49, 781-4	16.4	160
195	Room-temperature Suzuki-Miyaura couplings in water facilitated by nonionic amphiphiles. *Organic Letters*, **2008**, 10, 1333-6	6.2	158
194	Transitioning organic synthesis from organic solvents to water. What's E Factor?. *Green Chemistry*, **2014**, 16, 3660-3679	10	156
193	Ligand-accelerated, copper-catalyzed asymmetric hydrosilylations of aryl ketones. *Journal of the American Chemical Society*, **2001**, 123, 12917-8	16.4	149
192	Olefin cross-metathesis reactions at room temperature using the nonionic amphiphile "PTS": just add water. *Organic Letters*, **2008**, 10, 1325-8	6.2	145
191	On the way towards greener transition-metal-catalyzed processes as quantified by E factors. *Angewandte Chemie - International Edition*, **2013**, 52, 10952-8	16.4	144

190	Heck couplings at room temperature in nanometer aqueous micelles. *Organic Letters*, **2008**, 10, 1329-32	6.2	144
189	Evolution of Solvents in Organic Chemistry. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5838-5849	6.3	142
188	CuH-catalyzed asymmetric conjugate reductions of acyclic enones. *Angewandte Chemie - International Edition*, **2003**, 42, 4789-92	16.4	142
187	Introduction: Coinage metals in organic synthesis. *Chemical Reviews*, **2008**, 108, 2793-5	68.1	139
186	On the nature of the 'heterogeneous' catalyst: nickel-on-charcoal. *Journal of Organic Chemistry*, **2003**, 68, 1177-89	4.2	134
185	Micellar catalysis of Suzuki-Miyaura cross-couplings with heteroaromatics in water. *Organic Letters*, **2008**, 10, 5329-32	6.2	129
184	CuH in a bottle: a convenient reagent for asymmetric hydrosilylations. *Angewandte Chemie - International Edition*, **2005**, 44, 6345-8	16.4	126
183	Hydrolysis of Acetals and Ketals Using LiBF4. *Synthetic Communications*, **1982**, 12, 267-277	1.7	123
182	Aerobic oxidation in nanomicelles of aryl alkynes, in water at room temperature. *Angewandte Chemie - International Edition*, **2014**, 53, 3432-5	16.4	121
181	"Nok": a phytosterol-based amphiphile enabling transition-metal-catalyzed couplings in water at room temperature. *Journal of Organic Chemistry*, **2014**, 79, 888-900	4.2	121
180	Copper(I) hydride-catalyzed asymmetric hydrosilylation of heteroaromatic ketones. *Organic Letters*, **2002**, 4, 4045-8	6.2	118
179	Rate enhanced olefin cross-metathesis reactions: the copper iodide effect. *Journal of Organic Chemistry*, **2011**, 76, 4697-702	4.2	116
178	Allylic ethers as educts for Suzuki-Miyaura couplings in water at room temperature. *Journal of the American Chemical Society*, **2009**, 131, 12103-5	16.4	116
177	Asymmetric Synthesis of Biaryls by Intramolecular Oxidative Couplings of Cyanocuprate Intermediates. *Angewandte Chemie International Edition in English*, **1994**, 33, 1842-1844		112
176	Manipulating micellar environments for enhancing transition metal-catalyzed cross-couplings in water at room temperature. *Journal of Organic Chemistry*, **2011**, 76, 5061-73	4.2	107
175	Transforming Suzuki-Miyaura cross-couplings of MIDA boronates into a green technology: no organic solvents. *Journal of the American Chemical Society*, **2013**, 135, 17707-10	16.4	106
174	HandaPhos: A General Ligand Enabling Sustainable ppm Levels of Palladium-Catalyzed Cross-Couplings in Water at Room Temperature. *Angewandte Chemie - International Edition*, **2016**, 55, 4914-8	16.4	106
173	Copper-in-charcoal (Cu/C): heterogeneous, copper-catalyzed asymmetric hydrosilylations. *Angewandte Chemie - International Edition*, **2006**, 45, 1259-64	16.4	104

172	Small but effective: copper hydride catalyzed synthesis of alpha-hydroxyallenes. *Angewandte Chemie - International Edition*, **2007**, 46, 1650-3	16.4	103
171	Asymmetric 1,4-reductions of hindered beta-substituted cycloalkenones using catalytic SEGPHOS-ligated CuH. *Organic Letters*, **2004**, 6, 1273-5	6.2	103
170	Stereoselective Negishi-like couplings between alkenyl and alkyl halides in water at room temperature. *Organic Letters*, **2010**, 12, 4742-4	6.2	100
169	Organocopper Reagents: Substitution, Conjugate Addition, Carbo/Metallocupration, and Other Reactions **1992**, 135-631		99
168	CuH-catalyzed enantioselective 1,2-reductions of alpha,beta-unsaturated ketones. *Journal of the American Chemical Society*, **2010**, 132, 7852-3	16.4	98
167	A short, highly efficient synthesis of coenzyme Q(10). *Journal of the American Chemical Society*, **2002**, 124, 14282-3	16.4	95
166	Safe and Selective Nitro Group Reductions Catalyzed by Sustainable and Recyclable Fe/ppm Pd Nanoparticles in Water at Room Temperature. *Angewandte Chemie - International Edition*, **2016**, 55, 8979-83	16.4	94
165	Cross-couplings between benzylic and aryl halides "on water": synthesis of diarylmethanes. *Chemical Communications*, **2010**, 46, 562-4	5.8	90
164	Total synthesis of (-)-N-methylmaysenine. *Journal of the American Chemical Society*, **1980**, 102, 1439-144	16.4	90
163	Bridging the gap between transition metal- and bio-catalysis via aqueous micellar catalysis. *Nature Communications*, **2019**, 10, 2169	17.4	89
162	Chemoselective reductions of nitroaromatics in water at room temperature. *Organic Letters*, **2014**, 16, 98-101	6.2	89
161	Copper-in-charcoal (Cu/C) promoted diaryl ether formation. *Organic Letters*, **2007**, 9, 1089-92	6.2	89
160	"Designer"-Surfactant-Enabled Cross-Couplings in at Room Temperature. *Aldrichimica Acta*, **2012**, 45, 3-16	9	89
159	Amide and Peptide Bond Formation in Water at Room Temperature. *Organic Letters*, **2015**, 17, 3968-71	6.2	88
158	Nucleophilic Aromatic Substitution Reactions in Water Enabled by Micellar Catalysis. *Organic Letters*, **2015**, 17, 4734-7	6.2	85
157	CuH-catalyzed enantioselective intramolecular reductive aldol reactions generating three new contiguous asymmetric stereocenters. *Journal of the American Chemical Society*, **2008**, 130, 14378-9	16.4	85
156	Copper + nickel-in-charcoal (Cu-Ni/C): a bimetallic, heterogeneous catalyst for cross-couplings. *Organic Letters*, **2008**, 10, 4279-82	6.2	84
155	PQS: a new platform for micellar catalysis. RCM reactions in water, with catalyst recycling. *Organic Letters*, **2009**, 11, 705-8	6.2	81

154	When Does Organic Chemistry Follow Nature's Lead and "Make the Switch"?. *Journal of Organic Chemistry*, **2017**, 82, 2806-2816	4.2	78
153	Synthesis of activated alkenylboronates from acetylenic esters by CuH-catalyzed 1,2-addition/transmetalation. *Angewandte Chemie - International Edition*, **2008**, 47, 10183-6	16.4	78
152	Organocatalysis in water at room temperature with in-flask catalyst recycling. *Organic Letters*, **2012** , 14, 422-5	6.2	77
151	Nanonickel-catalyzed Suzuki-Miyaura cross-couplings in water. *Angewandte Chemie - International Edition*, **2015**, 54, 11994-8	16.4	76
150	Chiral silanes via asymmetric hydrosilylation with catalytic CuH. *Organic Letters*, **2006**, 8, 1963-6	6.2	76
149	A palladium nanoparticle-nanomicelle combination for the stereoselective semihydrogenation of alkynes in water at room temperature. *Angewandte Chemie - International Edition*, **2014**, 53, 14051-4	16.4	72
148	Gold catalysis in micellar systems. *Angewandte Chemie - International Edition*, **2011**, 50, 7820-3	16.4	72
147	Asymmetric gold-catalyzed lactonizations in water at room temperature. *Angewandte Chemie - International Edition*, **2014**, 53, 10658-62	16.4	71
146	Synthesis and Characterization of Isomeric Vinyl-1,2,3-triazole Materials by Azide–Alkyne Click Chemistry. *Macromolecules*, **2009**, 42, 6068-6074	5.5	71
145	Water as the reaction medium in organic chemistry: from our worst enemy to our best friend. *Chemical Science*, **2021**, 12, 4237-4266	9.4	71
144	Leveraging the micellar effect: gold-catalyzed dehydrative cyclizations in water at room temperature. *Organic Letters*, **2014**, 16, 724-6	6.2	69
143	Amination of allylic alcohols in water at room temperature. *Organic Letters*, **2009**, 11, 2377-9	6.2	69
142	Simplification of the Mitsunobu reaction. Di-p-chlorobenzyl azodicarboxylate: a new azodicarboxylate. *Organic Letters*, **2006**, 8, 5069-72	6.2	68
141	Effects of Co-solvents on Reactions Run under Micellar Catalysis Conditions. *Organic Letters*, **2017**, 19, 194-197	6.2	67
140	Organozinc Chemistry Enabled by Micellar Catalysis. Palladium-Catalyzed Cross-Couplings between Alkyl and Aryl in Water at Room Temperature. *Organometallics*, **2011**, 30, 6090-6097	3.8	67
139	Chemistry Takes a Bath: Reactions in Aqueous Media. *Journal of Organic Chemistry*, **2018**, 83, 7319-7322	4.2	65
138	Nonracemic diarylmethanols from CuH-catalyzed hydrosilylation of diaryl ketones. *Organic Letters*, **2008**, 10, 4187-90	6.2	65
137	Applications of asymmetric hydrosilylations mediated by catalytic (DTBM-SEGPHOS)CuH. *Organic Letters*, **2006**, 8, 2969-72	6.2	65

136	Aminations of Aryl Bromides in Water at Room Temperature. *Advanced Synthesis and Catalysis*, **2009**, 351, 1717-1721	5.6	64
135	Total synthesis of piericidin A1. Application of a modified Negishi carboalumination-nickel-catalyzed cross-coupling. *Journal of the American Chemical Society*, **2009**, 131, 1396-7	16.4	62
134	Trifluoromethylation of Heterocycles in Water at Room Temperature. *Green Chemistry*, **2014**, 16, 1097-1100	10	61
133	Stille couplings in water at room temperature. *Green Chemistry*, **2013**, 15, 105-109	10	61
132	Tweaking copper hydride (CuH) for synthetic gain. A practical, one-pot conversion of dialkyl ketones to reduced trialkylsilyl ether derivatives. *Organic Letters*, **2003**, 5, 3085-8	6.2	59
131	C-C bond formation catalyzed heterogeneously by nickel-on-graphite (Ni/Cg). *Organic Letters*, **2008**, 10, 697-700	6.2	58
130	Synthetic chemistry in a water world. New rules ripe for discovery. *Current Opinion in Green and Sustainable Chemistry*, **2018**, 11, 1-8	7.9	58
129	Regioselective reductions of β,β-disubstituted enones catalyzed by nonracemically ligated copper hydride. *Tetrahedron*, **2012**, 68, 3410-3416	2.4	57
128	PQS-2: ring-closing- and cross-metathesis reactions on lipophilic substrates; in water only at room temperature, with in-flask catalyst recycling. *Tetrahedron*, **2010**, 66, 1057-1063	2.4	54
127	An improved synthesis of the "miracle nutrient" coenzyme Q10. *Organic Letters*, **2005**, 7, 4095-7	6.2	54
126	Structure of Nanoparticles Derived from Designer Surfactant TPGS-750-M in Water, As Used in Organic Synthesis. *Chemistry - A European Journal*, **2018**, 24, 6778-6786	4.8	53
125	Total synthesis of (+)-korupensamine B via an atropselective intermolecular biaryl coupling. *Journal of the American Chemical Society*, **2010**, 132, 14021-3	16.4	53
124	A Stereospecific, Intermolecular Biaryl-Coupling Approach to Korupensamine A En Route to the Michellamines. *Angewandte Chemie - International Edition*, **1999**, 38, 3530-3533	16.4	53
123	"On water" sp3-sp2 cross-couplings between benzylic and alkenyl halides. *Chemical Communications*, **2011**, 47, 5717-9	5.8	52
122	An Electrospray Ionization Mass Spectrometry Study of the Aggregation States of Organocopper Complexes in Solution. *Organometallics*, **1999**, 18, 1571-1574	3.8	52
121	Sonogashira Couplings Catalyzed by Fe Nanoparticles Containing ppm Levels of Reusable Pd, under Mild Aqueous Micellar Conditions. *ACS Catalysis*, **2019**, 9, 2423-2431	13.1	52
120	PQS-enabled visible-light iridium photoredox catalysis in water at room temperature. *Green Chemistry*, **2018**, 20, 1233-1237	10	51
119	Pd-catalyzed synthesis of allylic silanes from allylic ethers. *Organic Letters*, **2010**, 12, 28-31	6.2	50

118	Synergistic and Selective Copper/ppm Pd-Catalyzed Suzuki–Miyaura Couplings: In Water, Mild Conditions, with Recycling. *ACS Catalysis*, **2016**, 6, 8179-8183	13.1	49
117	Downsizing Copper in Modern Cuprate Couplings. *Accounts of Chemical Research*, **1997**, 30, 277-282	24.3	48
116	Microwave-assisted heterogeneous cross-coupling reactions catalyzed by nickel-in-charcoal (Ni/C). *Chemistry - an Asian Journal*, **2006**, 1, 417-29	4.5	48
115	Sustainable HandaPhos-ppm Palladium Technology for Copper-Free Sonogashira Couplings in Water under Mild Conditions. *Organic Letters*, **2018**, 20, 542-545	6.2	47
114	C-C bond formation via copper-catalyzed conjugate addition reactions to enones in water at room temperature. *Journal of the American Chemical Society*, **2012**, 134, 19985-8	16.4	47
113	Synergistic effects in Fe nanoparticles doped with ppm levels of (Pd + Ni). A new catalyst for sustainable nitro group reductions. *Green Chemistry*, **2018**, 20, 130-135	10	47
112	Copper-catalyzed reductive alkylations of enones: a novel transmetalation protocol. *Angewandte Chemie - International Edition*, **2002**, 41, 4580-2	16.4	45
111	A Micellar Catalysis Strategy for Suzuki–Miyaura Cross-Couplings of 2-Pyridyl MIDA Boronates: No Copper, in Water, Very Mild Conditions. *ACS Catalysis*, **2017**, 7, 8331-8337	13.1	44
110	Heterogeneous catalysis with nickel-on-graphite (Ni/C(g)): reduction of aryl tosylates and mesylates. *Angewandte Chemie - International Edition*, **2006**, 45, 800-3	16.4	44
109	Ligand-free, palladium-catalyzed dihydrogen generation from TMDS: dehalogenation of aryl halides on water. *Organic Letters*, **2015**, 17, 1122-5	6.2	42
108	(NHC)CuH-catalyzed entry to allenes via propargylic carbonate S(N)2'-reductions. *Organic Letters*, **2009**, 11, 5010-2	6.2	42
107	A new, palladacycle for ppm level Pd-catalyzed Suzuki-Miyaura cross couplings in water. *Chemical Science*, **2019**, 10, 8825-8831	9.4	41
106	Carbonyl Iron Powder: A Reagent for Nitro Group Reductions under Aqueous Micellar Catalysis Conditions. *Organic Letters*, **2017**, 19, 6518-6521	6.2	40
105	Micellar catalysis-enabled sustainable ppm Au-catalyzed reactions in water at room temperature. *Chemical Science*, **2017**, 8, 6354-6358	9.4	38
104	Controlling regiochemistry in Negishi carboaluminations. Fine tuning the ligand on zirconium. *Journal of the American Chemical Society*, **2006**, 128, 15396-8	16.4	37
103	Scavenging and reclaiming phosphines associated with group 10 metal-mediated couplings. *Organic Letters*, **2004**, 6, 2305-8	6.2	37
102	Tandem deprotection/coupling for peptide synthesis in water at room temperature. *Green Chemistry*, **2017**, 19, 4263-4267	10	35
101	Auf dem Weg zu grüneren übergangsmetallkatalysierten Verfahren: Quantifizierung durch den E-Faktor. *Angewandte Chemie*, **2013**, 125, 11156-11162	3.6	34

100	Aminations of allylic phenyl ethers via micellar catalysis at room temperature in water. *Chemical Communications*, **2009**, 6472-4	5.8	34
99	Installation of protected ammonia equivalents onto aromatic & heteroaromatic rings in water enabled by micellar catalysis. *Green Chemistry*, **2014**, 16, 1480-1488	10	33
98	Dehalogenation of Functionalized Alkyl Halides in Water at Room Temperature. *Green Chemistry*, **2015**, 2015, 307	10	33
97	Asymmetrische Synthese von Biarylen durch intramolekulare oxidative Kupplung von Cyanocuprat-Zwischenstufen. *Angewandte Chemie*, **1994**, 106, 1962-1964	3.6	33
96	EvanPhos: a ligand for ppm level Pd-catalyzed Suzuki–Miyaura couplings in either organic solvent or water. *Green Chemistry*, **2018**, 20, 3436-3443	10	33
95	Sustainable and Scalable Fe/ppm Pd Nanoparticle Nitro Group Reductions in Water at Room Temperature. *Organic Process Research and Development*, **2017**, 21, 247-252	3.9	32
94	ppm Pd-catalyzed, Cu-free Sonogashira couplings in water using commercially available catalyst precursors. *Chemical Science*, **2019**, 10, 3481-3485	9.4	32
93	Enhancing regiocontrol in carboaluminations of terminal alkynes. Application to the one-pot synthesis of coenzyme Q10. *Organic Letters*, **2007**, 9, 3737-40	6.2	31
92	SNAr Reactions in Aqueous Nanomicelles: From Milligrams to Grams with No Dipolar Aprotic Solvents Needed. *Organic Process Research and Development*, **2017**, 21, 218-221	3.9	30
91	Aerobic Oxidation in Nanomicelles of Aryl Alkynes, in Water at Room Temperature. *Angewandte Chemie*, **2014**, 126, 3500-3503	3.6	30
90	A New Bromo Trienyne: Synthesis of all-E, Conjugated Tetra-, Penta-, and Hexaenes Common to Oxo Polyene Macrolide Antibiotics. *Journal of Organic Chemistry*, **1998**, 63, 6092-6093	4.2	30
89	Rhodium-Catalyzed Asymmetric 1,4-Additions, in Water at Room Temperature, with In-Flask Catalyst Recycling. *Advanced Synthesis and Catalysis*, **2012**, 354, 3175-3179	5.6	29
88	Catalysis in the Service of Green Chemistry: Nobel Prize-Winning Palladium-Catalysed Cross-Couplings, Run in Water at Room Temperature: Heck, Suzuki-Miyaura and Negishi reactions carried out in the absence of organic solvents, enabled by micellar catalysis. *Platinum Metals Review* , **2012**, 56, 62-74		29
87	Copper(I)-mediated 1,2- and 1,4-Reductions167-187		29
86	Efficient scavenging of Ph3P and Ph3P=O with high-loading merrifield resin. *Organic Letters*, **2001**, 3, 1869-71	6.2	29
85	Copper-Catalyzed Oxidative Cleavage of Electron-Rich Olefins in Water at Room Temperature. *Organic Letters*, **2018**, 20, 5094-5097	6.2	28
84	Fe/ppm Cu nanoparticles as a recyclable catalyst for click reactions in water at room temperature. *Green Chemistry*, **2017**, 19, 2506-2509	10	27
83	Fe-Catalyzed Reductive Couplings of Terminal (Hetero)Aryl Alkenes and Alkyl Halides under Aqueous Micellar Conditions. *Journal of the American Chemical Society*, **2019**, 141, 17117-17124	16.4	27

82	Kumada-Grignard-type biaryl couplings on water. *Nature Communications*, **2015**, 6, 7401	17.4	27
81	N,C-Disubstituted Biarylpalladacycles as Precatalysts for ppm Pd-Catalyzed Cross Couplings in Water under Mild Conditions. *ACS Catalysis*, **2019**, 9, 11647-11657	13.1	27
80	Sustainable ppm level palladium-catalyzed aminations in nanoreactors under mild, aqueous conditions. *Chemical Science*, **2019**, 10, 10556-10561	9.4	27
79	Cationic Pd(II)-catalyzed C-H activation/cross-coupling reactions at room temperature: synthetic and mechanistic studies. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 1040-64	2.5	26
78	Synthesis of Functionalized [3], [4], [5] and [6]Dendralenes through Palladium-Catalyzed Cross-Couplings of Substituted Allenoates. *Angewandte Chemie - International Edition*, **2017**, 56, 847-850	16.4	25
77	MC-1. A designer surfactant engineered for peptide synthesis in water at room temperature. *Green Chemistry*, **2019**, 21, 2610-2614	10	25
76	The Nano-to-Nano Effect Applied to Organic Synthesis in Water. *Johnson Matthey Technology Review*, **2017**, 61, 196-202	2.5	25
75	Triisopropylsilyloxycarbonyl (Tsoc) A New Protecting Group for 1 and 2 Amines. *Journal of Organic Chemistry*, **1999**, 64, 3792-3793	4.2	25
74	"Click" and Olefin Metathesis Chemistry in Water at Room Temperature Enabled by Biodegradable Micelles. *Journal of Chemical Education*, **2013**, 90,	2.4	24
73	Surfactant Technology: With New Rules, Designing New Sequences Is Required!. *Organic Process Research and Development*, **2020**, 24, 841-849	3.9	24
72	B-Alkyl sp-sp Suzuki-Miyaura Couplings under Mild Aqueous Micellar Conditions. *Organic Letters*, **2018**, 20, 2902-2905	6.2	23
71	Asymmetric Gold-Catalyzed Lactonizations in Water at Room Temperature. *Angewandte Chemie*, **2014**, 126, 10834-10838	3.6	23
70	Coolade. A Low-Foaming Surfactant for Organic Synthesis in Water. *ChemSusChem*, **2019**, 12, 3159-3165	8.3	21
69	Miyaura Borylations of Aryl Bromides in Water at Room Temperature. *Israel Journal of Chemistry*, **2010**, 50, 691-695	3.4	21
68	Asymmetric CuH-catalyzed hydrosilylations en route to the C-9 epimer of amphidinoketide iota. *Organic Letters*, **2007**, 9, 4713-6	6.2	21
67	Environmentally responsible, safe, and chemoselective catalytic hydrogenation of olefins: ppm level Pd catalysis in recyclable water at room temperature. *Green Chemistry*, **2020**, 22, 6055-6061	10	21
66	An environmentally responsible 3-pot, 5-step synthesis of the antitumor agent sonidegib using ppm levels of Pd catalysis in water. *Green Chemistry*, **2019**, 21, 6258-6262	10	21
65	New conjunctive reagents as cross-coupling partners en route to retinoid-like polyenes. *Organic Letters*, **2005**, 7, 4561-4	6.2	20

64	A Sustainable 1-Pot, 3-Step Synthesis of Boscalid Using Part per Million Level Pd Catalysis in Water. *Organic Process Research and Development*, **2020**, 24, 101-105	3.9	20
63	Safe and Selective Nitro Group Reductions Catalyzed by Sustainable and Recyclable Fe/ppm Pd Nanoparticles in Water at Room Temperature. *Angewandte Chemie*, **2016**, 128, 9125-9129	3.6	20
62	Catalyst: Imagine Doing Chemistry at No Cost to the Environment!. *CheM*, **2018**, 4, 2004-2007	16.2	20
61	Deprotection of homoallyl ((h)Allyl) derivatives of phenols, alcohols, acids, and amines. *Journal of Organic Chemistry*, **2009**, 74, 2854-7	4.2	19
60	Chemoselective Reductive Aminations in Aqueous Nanoreactors Using Parts per Million Level Pd/C Catalysis. *Organic Letters*, **2020**, 22, 6324-6329	6.2	19
59	Synthetic chemistry in water: applications to peptide synthesis and nitro-group reductions. *Nature Protocols*, **2019**, 14, 1108-1129	18.8	18
58	Water-Sculpting of a Heterogeneous Nanoparticle Precatalyst for Mizoroki-Heck Couplings under Aqueous Micellar Catalysis Conditions. *Journal of the American Chemical Society*, **2021**, 143, 3373-3382	16.4	18
57	HandaPhos: A General Ligand Enabling Sustainable ppm Levels of Palladium-Catalyzed Cross-Couplings in Water at Room Temperature. *Angewandte Chemie*, **2016**, 128, 4998-5002	3.6	17
56	Modified routes to the "designer" surfactant PQS. *Journal of Organic Chemistry*, **2012**, 77, 3143-8	4.2	17
55	NPhos - an easily made, highly effective ligand designed for ppm level Pd-catalyzed Suzuki-Miyaura cross couplings in water. *Chemical Science*, **2020**, 11, 5205-5212	9.4	16
54	Nanonickel-Catalyzed Suzuki–Miyaura Cross-Couplings in Water. *Angewandte Chemie*, **2015**, 127, 12162-12166	3.6	16
53	Sustainable and Cost-Effective Suzuki-Miyaura Couplings toward the Key Biaryl Subunits of Arylex and Rinskor Active. *Organic Letters*, **2020**, 22, 4823-4827	6.2	15
52	Stereoselective Silylcupration of Conjugated Alkynes in Water at Room Temperature. *Angewandte Chemie*, **2014**, 126, 4243-4247	3.6	15
51	Safe, Scalable, Inexpensive, and Mild Nickel-Catalyzed Migita-Like C-S Cross-Couplings in Recyclable Water. *Angewandte Chemie - International Edition*, **2021**, 60, 3708-3713	16.4	14
50	Continuous flow Suzuki–Miyaura couplings in water under micellar conditions in a CSTR cascade catalyzed by Fe/ppm Pd nanoparticles. *Green Chemistry*, **2020**, 22, 3441-3444	10	13
49	Synthesis of Functionalized 1,3-Butadienes via Pd-Catalyzed Cross-Couplings of Substituted Allenic Esters in Water at Room Temperature. *Organic Letters*, **2018**, 20, 4719-4722	6.2	13
48	Nanomicelle-enhanced, asymmetric ERED-catalyzed reductions of activated olefins. Applications to 1-pot chemo- and bio-catalysis sequences in water. *Chemical Communications*, **2021**, 57, 11847-11850	5.8	12
47	Reductions of aryl bromides in water at room temperature. *Tetrahedron Letters*, **2015**, 56, 3608-3611	2	11

46	Synergistic Effects of ppm Levels of Palladium on Natural Clinochlore for Reduction of Nitroarenes. *ChemSusChem*, **2019**, 12, 4240-4248	8.3	11
45	CuH in Asymmetric Reductions **2014**, 179-202		11
44	Synthesis of Functionalized [3], [4], [5] and [6]Dendralenes through Palladium-Catalyzed Cross-Couplings of Substituted Allenoates. *Angewandte Chemie*, **2017**, 129, 865-868	3.6	9
43	Olefin Metathesis in Water and Aqueous Media **2014**, 515-521		9
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13	Bisulfite Addition Compounds as Substrates for Reductive Aminations in Water. *Organic Letters*, **2021**, 23, 7205-7208	6.2	2
12	An Environmentally Responsible Synthesis of the Antitumor Agent Lapatinib (Tykerb). *Green Chemistry*,	10	2
11	Earth-Abundant and Precious Metal Nanoparticle Catalysis. *Topics in Organometallic Chemistry*, **2020**, 77-129	0.6	1

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10	Frontispiece: The Hydrophobic Effect Applied to Organic Synthesis: Recent Synthetic Chemistry In Water *Chemistry - A European Journal*, **2018**, 24,	4.8	1
9	Selective Deprotection of the Diphenylmethylsilyl (DPMS) Hydroxyl Protecting Group under Environmentally Responsible, Aqueous Conditions. *ChemCatChem*, **2019**, 11, 5743-5747	5.2	1
8	Synthetic Procedures Involving Organocopper Reagents **2013**, 283-382		1
7	Organocopper Chemistry **2013**, 1-133		1
6	Surfactant Assemblies as Nanoreactors for Organic Transformations **2022**, 467-487		1
5	Devising An Especially Efficient Route to the Miracle Nutrient Coenzyme Q10. *Strategies and Tactics in Organic Synthesis*, **2004**, 4, 269-292	0.2	0
4	Mild and Robust Stille Reactions in Water using Parts Per Million Levels of a Triphenylphosphine-Based Palladacycle. *Angewandte Chemie*, **2021**, 133, 4204-4209	3.6	0
3	Applying the Hydrophobic Effect to Transition Metal-Catalyzed Couplings in Water at Room Temperature **2013**, 299-312		
2	Cross-Coupling Reactions **2005**, 127-153		
1	Mixed Higher-Order Cyanocuprate-Induced Epoxide Openings: 1-Benzyloxy-4-Penten-2-ol80-80		