Andr B Charette

List of Publications by Year in Descending Order

187 papers	11,773 citations	60 h-index	101 g-index
219 ext. papers	12,899 ext. citations	8.9 avg, IF	6.72 L-index

#	Paper	IF	Citations
187	Fluorocyclopropane-Containing Proline Analogue: Synthesis and Conformation of an Item in the Peptide Chemist's Toolbox.. *ACS Omega*, **2022**, 7, 4868-4878	3.9	0
186	Spectroscopic Characterization of Heterohalogenic Dihalomethylzinc Carbenoids: Application to a More Efficient Chlorocyclopropanation Reaction. *Organometallics*, **2022**, 41, 83-92	3.8	0
185	Asymmetric Synthesis of Fluoro, Fluoromethyl, Difluoromethyl, and Trifluoromethylcyclopropanes. *Accounts of Chemical Research*, **2021**, 54, 2969-2990	24.3	12
184	Synthesis of Fluoro-, Monofluoromethyl-, Difluoromethyl-, and Trifluoromethyl-Substituted Three-Membered Rings. *Chemistry - A European Journal*, **2021**, 27, 2935-2962	4.8	15
183	Implementing flow chemistry in education: the NSERC CREATE program in continuous flow science. *Journal of Flow Chemistry*, **2021**, 11, 13-17	3.3	
182	Synthesis of fluorocyclopropanes via the enantioselective cyclopropanation of fluoro-substituted allylic alcohols using zinc carbenoids. *Canadian Journal of Chemistry*, **2020**, 98, 516-523	0.9	5
181	Practical Synthesis of Ethyl 3-Fluoro-1-pyrrole-2-carboxylate: A Key Fragment of a Potent Drug Candidate against Hepatitis B Virus. *Organic Process Research and Development*, **2020**, 24, 792-801	3.9	4
180	Catalytic Asymmetric Synthesis of □Difluoromethylated and □Fluoromethylated Tertiary Alcohols. *Organic Letters*, **2019**, 21, 7509-7513	6.2	5
179	Cyclopropanation Reactions of Semi-stabilized and Non-stabilized Diazo Compounds. *Synthesis*, **2019**, 51, 3947-3963	2.9	23
178	Rhodium catalysed enantioselective synthesis of mono-(halo)-methyl-cyclopropanes. *Organic and Biomolecular Chemistry*, **2019**, 17, 472-476	3.9	8
177	Utilization of BozPhos as an Effective Ligand in Enantioselective C-H Functionalization of Cyclopropanes: Synthesis of Dihydroisoquinolones and Dihydroquinolones. *Organic Letters*, **2019**, 21, 2639-2644	6.2	6
176	Catalytic Enantioselective Cyclopropanation of □Fluoroacrylates: An Experimental and Theoretical Study. *ACS Catalysis*, **2019**, 9, 2594-2598	13.1	18
175	Enantioselective Synthesis of cis- and trans-Borocyclopropylmethanol: Simple Building Blocks To Access Heterocycle-Substituted Cyclopropylmethanols. *Synthesis*, **2019**, 51, 3834-3846	2.9	0
174	Non-stabilized diazoalkane synthesis the oxidation of free hydrazones by iodosylbenzene and application in MIRC cyclopropanation. *Chemical Science*, **2019**, 10, 3802-3806	9.4	14
173	Continuous Flow Chlorination of Alkenyl Iodides Promoted by Copper Tubing. *Synthesis*, **2019**, 51, 251-257	2.9	5
172	Safe and Facile Access to Nonstabilized Diazoalkanes Using Continuous Flow Technology. *Angewandte Chemie - International Edition*, **2018**, 57, 5777-5782	16.4	20
171	Safe and Facile Access to Nonstabilized Diazoalkanes Using Continuous Flow Technology. *Angewandte Chemie*, **2018**, 130, 5879-5884	3.6	3

170	Iron-catalyzed synthesis of cyclopropanes by in situ generation and decomposition of electronically diversified diazo compounds. *Chemical Communications*, **2018**, 54, 13256-13259	5.8	17
169	Borocyclopropanation of Styrenes Mediated by UV-light Under Continuous Flow Conditions. *Angewandte Chemie*, **2018**, 130, 13702-13706	3.6	2
168	Borocyclopropanation of Styrenes Mediated by UV-light Under Continuous Flow Conditions. *Angewandte Chemie - International Edition*, **2018**, 57, 13514-13518	16.4	25
167	General Catalytic Enantioselective Access to Monohalomethyl and Trifluoromethyl Cyclopropanes. *Chemistry - A European Journal*, **2018**, 24, 10339-10343	4.8	25
166	Diastereoselective Borocyclopropanation of Allylic Ethers Using a Boromethylzinc Carbenoid. *Journal of the American Chemical Society*, **2017**, 139, 1364-1367	16.4	68
165	General C-H Arylation Strategy for the Synthesis of Tunable Visible Light-Emitting Benzo[a]imidazo[2,1,5-c,d]indolizine Fluorophores. *Journal of Organic Chemistry*, **2017**, 82, 5046-5067	4.2	25
164	Continuous Flow Synthesis and Purification of Aryldiazomethanes through Hydrazone Fragmentation. *Angewandte Chemie - International Edition*, **2017**, 56, 837-841	16.4	27
163	Continuous Flow Synthesis and Purification of Aryldiazomethanes through Hydrazone Fragmentation. *Angewandte Chemie*, **2017**, 129, 855-859	3.6	9
162	Diphenylsilane as a coupling reagent for amide bond formation. *Green Chemistry*, **2017**, 19, 5060-5064	10	36
161	Catalytic Enantioselective Synthesis of Highly Functionalized Difluoromethylated Cyclopropanes. *Angewandte Chemie - International Edition*, **2017**, 56, 13319-13323	16.4	38
160	Engineered, highly reactive substrates of microbial transglutaminase enable protein labeling within various secondary structure elements. *Protein Science*, **2017**, 26, 2268-2279	6.3	16
159	Catalytic Enantioselective Synthesis of Highly Functionalized Difluoromethylated Cyclopropanes. *Angewandte Chemie*, **2017**, 129, 13504-13508	3.6	11
158	Spectroscopic characterization of (diiodomethyl)zinc iodide: application to the stereoselective synthesis and functionalization of iodocyclopropanes. *Chemical Communications*, **2017**, 53, 9606-9609	5.8	10
157	Recent Progress Toward the Synthesis of Trifluoromethyl- and Difluoromethyl-Substituted Cyclopropanes. *Chemistry - A European Journal*, **2017**, 23, 4950-4961	4.8	72
156	Synthesis and Applications of Fluorocyclopropanes. *Synthesis*, **2016**, 48, 4060-4071	2.9	37
155	Synthesis of 3-Aminoimidazo[1,2-a]pyridines from α-Aminopyridinyl Amides. *Journal of Organic Chemistry*, **2016**, 81, 10348-10356	4.2	23
154	9-Silafluorenyl Dichlorides as Chemically Ligating Coupling Agents and Their Application in Peptide Synthesis. *Angewandte Chemie*, **2016**, 128, 14037-14041	3.6	8
153	Access to Cyclopropyl-Fused Azacycles via a Palladium-Catalyzed Direct Alkenylation Strategy. *Organic Letters*, **2016**, 18, 6046-6049	6.2	28

152	Catalytic Enantioselective Synthesis of Halocyclopropanes. *Chemistry - A European Journal*, **2016**, 22, 6239-42	4.8	21
151	Intramolecular sp(3) Functionalization of Cyclopropyl Amino Acid-Derived Benzamides. *Journal of Organic Chemistry*, **2016**, 81, 256-64	4.2	10
150	Difluorocarbene Addition to Alkenes and Alkynes in Continuous Flow. *Organic Letters*, **2016**, 18, 1988-91	6.2	36
149	9-Silafluorenyl Dichlorides as Chemically Ligating Coupling Agents and Their Application in Peptide Synthesis. *Angewandte Chemie - International Edition*, **2016**, 55, 13833-13837	16.4	28
148	Rapid Access to 3-Aminoindazoles from Tertiary Amides. *Organic Letters*, **2015**, 17, 3386-9	6.2	35
147	Catalytic CH Bond Functionalization of Cyclopropane Derivatives. *Topics in Organometallic Chemistry*, **2015**, 91-113	0.6	7
146	Rhodium-catalyzed cyclopropanation of fluorinated olefins: a straightforward route to highly functionalized fluorocyclopropanes. *Organic Letters*, **2015**, 17, 1790-3	6.2	32
145	One-pot synthesis of 3,4,5-trisubstituted 1,2,4-triazoles via the addition of hydrazides to activated secondary amides. *Organic Letters*, **2015**, 17, 1184-7	6.2	55
144	Noyori kariya catalyst supported on tetra-arylphosphonium salt for asymmetric transfer hydrogenation in water. *Green Chemistry*, **2015**, 17, 3255-3259	10	27
143	Diastereoselective Fluorocyclopropanation of Chiral Allylic Alcohols Using an Fluoroiodomethylzinc Carbenoid. *Organic Letters*, **2015**, 17, 4288-91	6.2	21
142	Direct Arylation of Imidazo[1,5-a]azines Through Ruthenium and Palladium Catalysis. *European Journal of Organic Chemistry*, **2015**, 2015, 67-71	3.2	15
141	Mechanism-Driven Elaboration of an Enantioselective Bromocyclopropanation Reaction of Allylic Alcohols. *Angewandte Chemie*, **2015**, 127, 14314-14318	3.6	8
140	Mechanism-Driven Elaboration of an Enantioselective Bromocyclopropanation Reaction of Allylic Alcohols. *Angewandte Chemie - International Edition*, **2015**, 54, 14108-12	16.4	24
139	Directed functionalization of 1,2-dihydropyridines: stereoselective synthesis of 2,6-disubstituted piperidines. *Chemical Communications*, **2014**, 50, 6883-5	5.8	21
138	Asymmetric Cyclopropanation and Aziridination Reactions **2014**, 203-238		7
137	Improved zinc-catalyzed Simmons-Smith reaction: access to various 1,2,3-trisubstituted cyclopropanes. *Organic Letters*, **2014**, 16, 1490-3	6.2	48
136	Stereoselective formation of amines by nucleophilic addition to azomethine derivatives. *Topics in Current Chemistry*, **2014**, 343, 33-73		3
135	C-H functionalization of cyclopropanes: a practical approach employing a picolinamide auxiliary. *Organic Letters*, **2013**, 15, 4394-7	6.2	78

134	Stereoselective Rh2(S-IBAZ)4-catalyzed cyclopropanation of alkenes, alkynes, and allenes: asymmetric synthesis of diacceptor cyclopropylphosphonates and alkylidenecyclopropanes. *Journal of the American Chemical Society*, **2013**, 135, 1463-70	16.4	126
133	Silver-promoted, palladium-catalyzed direct arylation of cyclopropanes: facile access to spiro 3,3Rcyclopropyl oxindoles. *Organic Letters*, **2013**, 15, 1350-3	6.2	71
132	Palladium-catalyzed ring-opening of cyclopropyl benzamides: synthesis of benzo[c]azepine-1-ones via C(sp3)H functionalization. *Tetrahedron*, **2013**, 69, 4479-4487	2.4	28
131	Triflic anhydride mediated synthesis of imidazo[1,5-a]azines. *Organic Letters*, **2013**, 15, 2290-3	6.2	62
130	Highly enantioselective Simmons-Smith fluorocyclopropanation of allylic alcohols via the halogen scrambling strategy of zinc carbenoids. *Journal of the American Chemical Society*, **2013**, 135, 7819-22	16.4	64
129	Direct functionalization processes: a journey from palladium to copper to iron to nickel to metal-free coupling reactions. *Accounts of Chemical Research*, **2013**, 46, 412-24	24.3	268
128	Catalytic asymmetric synthesis of nitrocyclopropane carboxylates. *Tetrahedron*, **2012**, 68, 3487-3496	2.4	28
127	Design and Synthesis of Chiral Heteroleptic Rhodium(II) Carboxylate Catalysts: Experimental Investigation of Halogen Bond Rigidification Effects in Asymmetric Cyclopropanation. *ACS Catalysis* , **2012**, 2, 1221-1225	13.1	60
126	One-pot synthesis of 1-iodoalkynes and trisubstituted alkenes from benzylic and allylic bromides. *Organic Letters*, **2012**, 14, 5464-7	6.2	13
125	Highly enantioselective synthesis of 1,2,3-substituted cyclopropanes by using iodo- and chloromethylzinc carbenoids. *Chemistry - A European Journal*, **2012**, 18, 14784-91	4.8	34
124	Chemoselective synthesis of ketones and ketimines by addition of organometallic reagents to secondary amides. *Nature Chemistry*, **2012**, 4, 228-34	17.6	191
123	Microwave-assisted hydrolysis: efficient synthesis of substituted cysteines on multi-gram scale. *RSC Advances*, **2012**, 2, 5502	3.7	6
122	Synthesis of pyridine and dihydropyridine derivatives by regio- and stereoselective addition to N-activated pyridines. *Chemical Reviews*, **2012**, 112, 2642-713	68.1	632
121	Grob fragmentation of 2-azabicyclo[2.2.2]oct-7-ene: tool for the stereoselective synthesis of polysubstituted piperidines. *Journal of Organic Chemistry*, **2012**, 77, 5832-7	4.2	20
120	Asymmetric Rh(II)-catalyzed cyclopropanation of alkenes with diacceptor diazo compounds: p-methoxyphenyl ketone as a general stereoselectivity controlling group. *Journal of the American Chemical Society*, **2011**, 133, 8972-81	16.4	131
119	Synthesis of enantiopure substituted piperidines via an aziridinium ring expansion. *Organic Letters*, **2011**, 13, 3830-3	6.2	63
118	Synthesis of 2- and 2,3-substituted pyrazolo[1,5-a]pyridines: scope and mechanistic considerations of a domino direct alkynylation and cyclization of N-iminopyridinium ylides using alkenyl bromides, alkenyl iodides, and alkynes. *Journal of Organic Chemistry*, **2011**, 76, 8243-61	4.2	72
117	Intramolecular Simmons-Smith cyclopropanation. Studies into the reactivity of alkyl-substituted zinc carbenoids, effect of directing groups and synthesis of bicyclo[n.1.0]alkanes. *Journal of the American Chemical Society*, **2010**, 132, 1895-902	16.4	54

116	Synthesis of enantioenriched allenes from 1,1-cyclopropanediesters. *Organic Letters*, **2010**, 12, 564-7	6.2	31
115	Stereoselective syntheses of L-pipecolic acid and (2S,3S)-3-hydroxypipecolic acid from a chiral N-imino-2-phenyl-1,2-dihydropyridine intermediate. *Journal of Organic Chemistry*, **2010**, 75, 2077-80	4.2	36
114	Dual role of silanol groups in cyclopropanation and Hiyama-Denmark cross-coupling reactions. *Organic Letters*, **2010**, 12, 1348-51	6.2	20
113	Stereoselective synthesis of 2,3,6-trisubstituted tetrahydropyridines via Tf(2)O-mediated Grob fragmentation: access to indolizidines (-)-209I and (-)-223J. *Journal of Organic Chemistry*, **2010**, 75, 7465-7	4.2	30
112	Preparation of a storable zinc carbenoid species and its application in cyclopropanation, chain extension, and [2,3]-sigmatropic rearrangement reactions. *Journal of Organic Chemistry*, **2010**, 75, 1244-50	4.2	46
111	Synthesis of 2-substituted pyrazolo[1,5-a]pyridines through cascade direct alkenylation/cyclization reactions. *Organic Letters*, **2010**, 12, 516-9	6.2	79
110	Use of achiral additives to increase the stereoselectivity in Rh(II)-catalyzed cyclopropanations. *Chemical Communications*, **2010**, 46, 910-2	5.8	32
109	Umpolung direct arylation reactions: facile process requiring only catalytic palladium and substoichiometric amount of silver salts. *Journal of the American Chemical Society*, **2010**, 132, 14412-4	16.4	48
108	Defying ring strain: new approaches to cyclopropanes. *Angewandte Chemie - International Edition*, **2010**, 49, 486-8	16.4	38
107	Copper-catalyzed direct alkenylation of N-iminopyridinium ylides. *Angewandte Chemie - International Edition*, **2010**, 49, 1115-8	16.4	131
106	Synthesis of Dimethyl 2-Phenylcyclopropane-1,1-Dicarboxylate Using an Iodonium Ylide Derived from Dimethyl Malonate **2010**, 115-125		5
105	Preparation of (E)-(2-Iodovinyl)Benzene from Benzyl Bromide and Diiodomethane **2010**, 170-177		1
104	Enantio- and diastereoselective iodocyclopropanation of allylic alcohols by using a substituted zinc carbenoid. *Chemistry - A European Journal*, **2009**, 15, 11829-32	4.8	35
103	Stereoselective synthesis of N-heterocycles: application of the asymmetric Cu-catalyzed addition of Et2Zn to functionalized alkyl and aryl imines. *Tetrahedron*, **2009**, 65, 4968-4976	2.4	17
102	General method for the synthesis of phenyliodonium ylides from malonate esters: easy access to 1,1-cyclopropane diesters. *Journal of Organic Chemistry*, **2009**, 74, 470-3	4.2	93
101	Tetraarylphosphonium salts as soluble supports for oxidative catalysts and reagents. *Journal of Organic Chemistry*, **2009**, 74, 8510-5	4.2	20
100	Enantioselective synthesis of 1,2,3-trisubstituted cyclopropanes using gem-dizinc reagents. *Journal of the American Chemical Society*, **2009**, 131, 15624-6	16.4	51
99	TfNH2 as achiral hydrogen-bond donor additive to enhance the selectivity of a transition metal catalyzed reaction. Highly enantio- and diastereoselective rhodium-catalyzed cyclopropanation of alkenes using alpha-cyano diazoacetamide. *Journal of the American Chemical Society*, **2009**, 131, 6970-2	16.4	91

98	Intramolecular pyridine activation-dearomatization reaction: highly stereoselective synthesis of polysubstituted indolizidines and quinolizidines. *Organic Letters*, **2009**, 11, 3398-401	6.2	50
97	Experimental evidence for the all-up reactive conformation of chiral rhodium(II) carboxylate catalysts: enantioselective synthesis of cis-cyclopropane alpha-amino acids. *Journal of the American Chemical Society*, **2009**, 131, 16383-5	16.4	198
96	trans-Directing ability of the amide group: enabling the enantiocontrol in the synthesis of 1,1-dicarboxy cyclopropanes. Reaction development, scope, and synthetic applications. *Journal of Organic Chemistry*, **2009**, 74, 8939-55	4.2	68
95	In situ generation of zinc carbenoids from diazo compounds and zinc salts: asymmetric synthesis of 1,2,3-substituted cyclopropanes. *Journal of the American Chemical Society*, **2009**, 131, 15633-5	16.4	62
94	Tetraarylphosphonium-supported carbodiimide reagents: synthesis, structure optimization and applications. *Journal of Organic Chemistry*, **2008**, 73, 2542-7	4.2	18
93	Palladium-catalyzed direct C-h arylation of N-iminopyridinium ylides: application to the synthesis of (+/-)-anabasine. *Journal of the American Chemical Society*, **2008**, 130, 52-4	16.4	181
92	Cycloadditions of aromatic azomethine imines with 1,1-cyclopropane diesters. *Organic Letters*, **2008** , 10, 689-92	6.2	190
91	Palladium-catalyzed synthesis of functionalized tetraarylphosphonium salts. *Journal of Organic Chemistry*, **2008**, 73, 590-3	4.2	63
90	Total synthesis of (+)-lepadin B: stereoselective synthesis of nonracemic polysubstituted hydroquinolines using an RC-ROM process. *Journal of the American Chemical Society*, **2008**, 130, 13873-5	16.4	74
89	Probing the importance of the hemilabile site of bis(phosphine) monoxide ligands in the copper-catalyzed addition of diethylzinc to N-phosphinoylimines: discovery of new effective chiral ligands. *Journal of Organic Chemistry*, **2008**, 73, 6330-40	4.2	72
88	A mild procedure for the Lewis acid-catalyzed ring-opening of activated cyclopropanes with amine nucleophiles. *Organic Letters*, **2008**, 10, 2809-12	6.2	136
87	Palladium-catalyzed benzylic C-H insertion of 2-substituted N-iminopyridinium ylides. *Organic Letters*, **2008**, 10, 1641-3	6.2	106
86	Highly regioselective intermolecular arylation of 1,2,3,4-tetrahydropyridines. *Organic Letters*, **2008**, 10, 4791-4	6.2	5
85	Convenient one-pot synthesis of (E)-beta-aryl vinyl halides from benzyl bromides and dihalomethanes. *Organic Letters*, **2008**, 10, 5485-8	6.2	51
84	Catalytic enantioselective addition of diorganozinc reagents to vinyl sulfones. *Organic Letters*, **2008** , 10, 2315-8	6.2	48
83	Improved procedure for the synthesis of gem-diiodoalkanes by the alkylation of diiodomethane. scope and limitations. *Journal of Organic Chemistry*, **2008**, 73, 8097-100	4.2	21
82	Silver ion-induced Grob fragmentation of gamma-amino iodides: highly stereoselective synthesis of polysubstituted piperidines. *Organic Letters*, **2008**, 10, 5497-9	6.2	24
81	New methods in asymmetric catalysis based on new hemi-labile bidentate ligands. *Pure and Applied Chemistry*, **2008**, 80, 881-890	2.1	22

80	trans-Directing ability of amide groups in cyclopropanation: application to the asymmetric cyclopropanation of alkenes with diazo reagents bearing two carboxy groups. *Angewandte Chemie - International Edition*, **2008**, 47, 10155-8	16.4	74
79	Nickel-Catalyzed Synthesis of Phosphonium Salts from Aryl Halides and Triphenylphosphine. *Advanced Synthesis and Catalysis*, **2008**, 350, 2967-2974	5.6	54
78	Application of the chiral bis(phosphine) monoxide ligand to catalytic enantioselective addition of dialkylzinc reagents to beta-nitroalkenes. *Organic Letters*, **2007**, 9, 85-7	6.2	57
77	Tetraarylphosphonium salts as soluble supports for the synthesis of small molecules. *Angewandte Chemie - International Edition*, **2007**, 46, 5011-4	16.4	36
76	Catalytic enantioselective reduction of beta,beta-disubstituted vinyl phenyl sulfones by using bisphosphine monoxide ligands. *Angewandte Chemie - International Edition*, **2007**, 46, 5955-7	16.4	124
75	Removal, recovery, and recycling of triarylphosphonium-supported tin reagents for various organic transformations. *Organic Letters*, **2007**, 9, 3591-4	6.2	33
74	Tetraarylphosphonium salts as solubility-control groups: phosphonium-supported triphenylphosphine and azodicarboxylate reagents. *Angewandte Chemie - International Edition*, **2006**, 45, 1415-20	16.4	38
73	Tetraarylphosphonium Salts as Solubility-Control Groups: Phosphonium-Supported Triphenylphosphine and Azodicarboxylate Reagents. *Angewandte Chemie*, **2006**, 118, 1443-1448	3.6	9
72	New methodology toward chiral, non-racemic 2,5-cis-substituted piperidines via Suzuki cross-coupling. *Organic Letters*, **2006**, 8, 3955-7	6.2	25
71	Phosphonium supported triphenylphosphine reagent: an improved access to □fluoro-□unsaturated esters. *Tetrahedron Letters*, **2006**, 47, 7931-7933	2	15
70	Preparation of Enantiomerically Pure (R,R)-BozPHOS **2006**, 1-4		1
69	Electrophilic activation of lactams with Tf2O and pyridine: expedient synthesis of (+/-)-tetraponerine T4. *Organic Letters*, **2005**, 7, 5401-4	6.2	59
68	Stereoselective synthesis of 2,6-disubstituted 3-piperidinols: application to the expedient synthesis of (+)-julifloridine. *Organic Letters*, **2005**, 7, 2747-50	6.2	61
67	Doubly activated cyclopropanes as synthetic precursors for the preparation of 4-nitro- and 4-cyano-dihydropyrroles and pyrroles. *Organic Letters*, **2005**, 7, 2313-6	6.2	171
66	[4+2] Cycloaddition of 2-substituted 1,2-dihydropyridines with nitrosobenzene: asymmetric synthesis of trans-2-substituted 3-amino-1,2,3,6-tetrahydropyridines. *Journal of Organic Chemistry*, **2005**, 70, 2368-71	4.2	32
65	Diastereoselective zinco-cyclopropanation of chiral allylic alcohols with gem-dizinc carbenoids. *Journal of the American Chemical Society*, **2005**, 127, 13140-1	16.4	55
64	Expedient synthesis of cyclopropane alpha-amino acids by the catalytic asymmetric cyclopropanation of alkenes using iodonium ylides derived from methyl nitroacetate. *Journal of the American Chemical Society*, **2005**, 127, 18014-5	16.4	155
63	Catalytic asymmetric hydrogenation of N-iminopyridinium ylides: expedient approach to enantioenriched substituted piperidine derivatives. *Journal of the American Chemical Society*, **2005**, 127, 8966-7	16.4	253

62	Iodomethylzinc phosphates: powerful reagents for the cyclopropanation of alkenes. *Journal of the American Chemical Society*, **2005**, 127, 12440-1	16.4	87
61	Asymmetric catalytic addition of diorganozinc reagents to imines: Scope and application. *Pure and Applied Chemistry*, **2005**, 77, 1259-1267	2.1	39
60	Enantioselective synthesis of β-amino alcohols and β-amino acids via a copper catalyzed addition of diorganozinc reagents to N-phosphinoylimines. *Tetrahedron*, **2005**, 61, 6186-6192	2.4	46
59	Diastereoselective Synthesis of 1,2,3-Substituted Potassium Cyclopropyl Trifluoroborates via an Unusual Zinc-Boron Exchange. *Synlett*, **2005**, 2005, 1779-1782	2.2	32
58	Catalytic asymmetric addition of diorganozinc reagents to N-phosphinoylalkylimines. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 5405-10	11.5	91
57	Evidence for the structure of the enantioactive ligand in the phosphine-copper-catalyzed addition of diorganozinc reagents to imines. *Angewandte Chemie - International Edition*, **2004**, 43, 6525-8	16.4	47
56	Evidence for the Structure of the Enantioactive Ligand in the Phosphine–Copper-Catalyzed Addition of Diorganozinc Reagents to Imines. *Angewandte Chemie*, **2004**, 116, 6687-6690	3.6	6
55	Improved Protocol for the Diastereoselective Cyclopropanation of Alkenes using Geminal Dizinc Carbenoids: A Study on the Effect of Zinc Iodide. *European Journal of Organic Chemistry*, **2004**, 2004, 1401-1404	3.2	15
54	Structure and reactivity of "unusual" N-heterocyclic carbene (NHC) palladium complexes synthesized from imidazolium salts. *Journal of the American Chemical Society*, **2004**, 126, 5046-7	16.4	345
53	Highly efficient two-step synthesis of C-sp3-centered geminal diiodides. *Organic Letters*, **2004**, 6, 4731-4	6.2	24
52	Nucleophilic addition to 3-substituted pyridinium salts: expedient syntheses of (-)-L-733,061 and (-)-CP-99,994. *Organic Letters*, **2004**, 6, 3517-20	6.2	85
51	Bis(oxazoline)–copper(I)-catalyzed enantioselective cyclopropanation of cinnamate esters with diazomethane. *Tetrahedron: Asymmetry*, **2003**, 14, 867-872		31
50	Complexation promoted additions to N-benzoyliminopyridinium ylides. A novel and highly regioselective approach to polysubstituted piperidines. *Journal of the American Chemical Society*, **2003**, 125, 6360-1	16.4	65
49	Catalytic enantioselective addition of dialkylzinc to N-diphenylphosphinoylimines. A practical synthesis of alpha-chiral amines. *Journal of the American Chemical Society*, **2003**, 125, 1692-3	16.4	91
48	Asymmetric, catalytic synthesis of alpha-chiral amines using a novel bis(phosphine) monoxide chiral ligand. *Journal of the American Chemical Society*, **2003**, 125, 14260-1	16.4	145
47	Hypervalent iodine(III) reagents as safe alternatives to alpha-nitro-alpha-diazocarbonyls. *Organic Letters*, **2003**, 5, 2327-9	6.2	74
46	Mild method for the conversion of amides to thioamides. *Journal of Organic Chemistry*, **2003**, 68, 5792-4	4.2	55
45	Stereoselective cyclopropanation reactions. *Chemical Reviews*, **2003**, 103, 977-1050	68.1	1459

44	Synthesis of α-Nitro-α-diazocarbonyl Derivatives and Their Applications in the Cyclopropanation of Alkenes and in O?H Insertion Reactions. *Helvetica Chimica Acta*, **2002**, 85, 4468-4484	2	57
43	Cyclopropanation of Allylic Alcohols using Substituted Haloalkylzinc Reagents: Synthesis of gem-Dimethylcyclopropanes. *Synlett*, **2002**, 2002, 0176-0178	2.2	17
42	Transition metal-catalyzed cyclopropanation of alkenes in water: catalyst efficiency and in situ generation of the diazo reagent. *Organic Letters*, **2002**, 4, 4531-3	6.2	92
41	First evidence for the formation of a geminal dizinc carbenoid: a highly stereoselective synthesis of 1,2,3-substituted cyclopropanes. *Journal of the American Chemical Society*, **2002**, 124, 386-7	16.4	47
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