Andr B Charette

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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	Stereoselective cyclopropanation reactions. *Chemical Reviews*, **2003**, 103, 977-1050	68.1	1459
186	Synthesis of pyridine and dihydropyridine derivatives by regio- and stereoselective addition to N-activated pyridines. *Chemical Reviews*, **2012**, 112, 2642-713	68.1	632
185	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
184	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
183	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
182	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
181	Chemoselective synthesis of ketones and ketimines by addition of organometallic reagents to secondary amides. *Nature Chemistry*, **2012**, 4, 228-34	17.6	191
180	Cycloadditions of aromatic azomethine imines with 1,1-cyclopropane diesters. *Organic Letters*, **2008** , 10, 689-92	6.2	190
179	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
178	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
177	Enantioselective Cyclopropanation of Allylic Alcohols with Dioxaborolane Ligands: Scope and Synthetic Applications. *Journal of the American Chemical Society*, **1998**, 120, 11943-11952	16.4	166
176	Design of Amphoteric Bifunctional Ligands: Application to the Enantioselective Simmons-Smith Cyclopropanation of Allylic Alcohols. *Journal of the American Chemical Society*, **1994**, 116, 2651-2652	16.4	161
175	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
174	Practical and highly regio- and stereoselective synthesis of 2-substituted dihydropyridines and piperidines: application to the synthesis of (-)-coniine. *Journal of the American Chemical Society*, **2001**, 123, 11829-30	16.4	146
173	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
172	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
171	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

170	Copper-catalyzed direct alkenylation of N-iminopyridinium ylides. *Angewandte Chemie - International Edition*, **2010**, 49, 1115-8	16.4	131
169	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
168	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
167	Catalytic asymmetric cyclopropanation of allylic alcohols with titanium-TADDOLate: scope of the cyclopropanation reaction. *Journal of the American Chemical Society*, **2001**, 123, 12168-75	16.4	123
166	Spectroscopic studies of the electrophilic activation of amides with triflic anhydride and pyridine. *Canadian Journal of Chemistry*, **2001**, 79, 1694-1703	0.9	119
165	Palladium-catalyzed benzylic C-H insertion of 2-substituted N-iminopyridinium ylides. *Organic Letters*, **2008**, 10, 1641-3	6.2	106
164	Improved Procedure for the Synthesis of Enantiomerically Enriched Cyclopropylmethanol Derivatives. *Journal of Organic Chemistry*, **1995**, 60, 1081-1083	4.2	95
163	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
162	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
161	The Asymmetric Cyclopropanation of Acyclic Allylic Alcohols: Efficient Stereocontrol with Iodomethylzinc Reagents. *Synlett*, **1995**, 1995, 1197-1207	2.2	92
160	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
159	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
158	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
157	Iodomethylzinc phosphates: powerful reagents for the cyclopropanation of alkenes. *Journal of the American Chemical Society*, **2005**, 127, 12440-1	16.4	87
156	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
155	Diastereoselective Cyclopropanation of Chiral Allylic Alcohols: A More Efficient Reagent for the Relative Stereocontrol. *Journal of Organic Chemistry*, **1995**, 60, 2966-2967	4.2	85
154	Synthesis of 2-substituted pyrazolo[1,5-a]pyridines through cascade direct alkenylation/cyclization reactions. *Organic Letters*, **2010**, 12, 516-9	6.2	79
153	C-H functionalization of cyclopropanes: a practical approach employing a picolinamide auxiliary. *Organic Letters*, **2013**, 15, 4394-7	6.2	78

152	A new strategy for the Lewis acid-catalyzed cyclopropanation of allylic alcohols.. *Journal of the American Chemical Society*, **1995**, 117, 11367-11368	16.4	78
151	Mild Method for the Synthesis of Thiazolines from Secondary and Tertiary Amides. *Journal of Organic Chemistry*, **1998**, 63, 908-909	4.2	77
150	Enantioselective Total Synthesis of (+)-U-106305. *Journal of the American Chemical Society*, **1996**, 118, 10327-10328	16.4	75
149	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
148	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
147	Hypervalent iodine(III) reagents as safe alternatives to alpha-nitro-alpha-diazocarbonyls. *Organic Letters*, **2003**, 5, 2327-9	6.2	74
146	Recent Progress Toward the Synthesis of Trifluoromethyl- and Difluoromethyl-Substituted Cyclopropanes. *Chemistry - A European Journal*, **2017**, 23, 4950-4961	4.8	72
145	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
144	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
143	Silver-promoted, palladium-catalyzed direct arylation of cyclopropanes: facile access to spiro 3,3Rcyclopropyl oxindoles. *Organic Letters*, **2013**, 15, 1350-3	6.2	71
142	Stereoselective Synthesis of All Four Isomers of Coronamic Acid: A General Approach to 3-Methanoamino Acids. *Journal of the American Chemical Society*, **1995**, 117, 12721-12732	16.4	71
141	Palladium-Catalyzed Suzuki-Type Cross-Couplings of Iodocyclopropanes with Boronic Acids: Synthesis of trans-1,2-Dicyclopropyl Alkenes. *Journal of Organic Chemistry*, **1996**, 61, 8718-8719	4.2	69
140	Diastereoselective Borocyclopropanation of Allylic Ethers Using a Boromethylzinc Carbenoid. *Journal of the American Chemical Society*, **2017**, 139, 1364-1367	16.4	68
139	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
138	Spectroscopic Characterization of (Iodomethyl)zinc Reagents Involved in Stereoselective Reactions:Spectroscopic Evidence That IZnCH2I Is Not Zn(CH2I)2+ ZnI2in the Presence of an Ether. *Journal of the American Chemical Society*, **1996**, 118, 4539-4549	16.4	66
137	Carbohydrates as chiral auxiliaries: asymmetric cyclopropanation reaction of acyclic olefins. *Journal of the American Chemical Society*, **1991**, 113, 8166-8167	16.4	66
136	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
135	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

134	Diastereo- and Enantioselective Synthesis of 1,2,3-Substituted Cyclopropanes with Zinc Carbenoids. *Angewandte Chemie International Edition in English*, **1997**, 36, 1090-1092		64
133	Synthesis of enantiopure substituted piperidines via an aziridinium ring expansion. *Organic Letters*, **2011**, 13, 3830-3	6.2	63
132	Palladium-catalyzed synthesis of functionalized tetraarylphosphonium salts. *Journal of Organic Chemistry*, **2008**, 73, 590-3	4.2	63
131	Triflic anhydride mediated synthesis of imidazo[1,5-a]azines. *Organic Letters*, **2013**, 15, 2290-3	6.2	62
130	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
129	New Family of Cyclopropanating Reagents: Synthesis, Reactivity, and Stability Studies of Iodomethylzinc Phenoxides. *Angewandte Chemie - International Edition*, **2000**, 39, 4539-4542	16.4	62
128	Stereoselective synthesis of 2,6-disubstituted 3-piperidinols: application to the expedient synthesis of (+)-julifloridine. *Organic Letters*, **2005**, 7, 2747-50	6.2	61
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	The chemistry of cyclic vinyl ethers. 6. Total synthesis of polyether ionophore antibiotics of the calcimycin (A-23187) class. *Journal of the American Chemical Society*, **1991**, 113, 5337-5353	16.4	60
125	Electrophilic activation of lactams with Tf2O and pyridine: expedient synthesis of (+/-)-tetraponerine T4. *Organic Letters*, **2005**, 7, 5401-4	6.2	59
124	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
123	Synthesis of □Nitro-□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
122	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
121	Diastereoselective zinco-cyclopropanation of chiral allylic alcohols with gem-dizinc carbenoids. *Journal of the American Chemical Society*, **2005**, 127, 13140-1	16.4	55
120	Mild method for the conversion of amides to thioamides. *Journal of Organic Chemistry*, **2003**, 68, 5792-4	4.2	55
119	Preparation, Solid-State Structure, and Synthetic Applications of Isolable and Storable Haloalkylzinc Reagents. *Journal of the American Chemical Society*, **2000**, 122, 4508-4509	16.4	55
118	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
117	Nickel-Catalyzed Synthesis of Phosphonium Salts from Aryl Halides and Triphenylphosphine. *Advanced Synthesis and Catalysis*, **2008**, 350, 2967-2974	5.6	54

116	Synthesis of a triphenylphosphine reagent on non-cross-linked polystyrene support: application to the Staudinger/Aza-wittig reaction. *Organic Letters*, **2000**, 2, 3777-9	6.2	53
115	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
114	Convenient one-pot synthesis of (E)-beta-aryl vinyl halides from benzyl bromides and dihalomethanes. *Organic Letters*, **2008**, 10, 5485-8	6.2	51
113	Stability, reactivity, solution, and solid-state structure of halomethylzinc alkoxides. *Journal of the American Chemical Society*, **2001**, 123, 12160-7	16.4	51
112	Intramolecular pyridine activation-dearomatization reaction: highly stereoselective synthesis of polysubstituted indolizidines and quinolizidines. *Organic Letters*, **2009**, 11, 3398-401	6.2	50
111	An expedient approach to E,Z-dienes using the Julia olefination. *Tetrahedron Letters*, **2001**, 42, 5149-5153		50
110	A New Mild Method for the Cleavage of the Amide Bond: Conversion of Secondary and Tertiary Amides to Esters. *Synlett*, **1998**, 1998, 163-165	2.2	50
109	Improved zinc-catalyzed Simmons-Smith reaction: access to various 1,2,3-trisubstituted cyclopropanes. *Organic Letters*, **2014**, 16, 1490-3	6.2	48
108	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
107	Catalytic enantioselective addition of diorganozinc reagents to vinyl sulfones. *Organic Letters*, **2008**, 10, 2315-8	6.2	48
106	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
105	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
104	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
103	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
102	Acyloxymethylzinc reagents: preparation, reactivity, and solid-state structure of this novel class of cyclopropanating reagents. *Journal of the American Chemical Society*, **2001**, 123, 8139-40	16.4	46
101	Asymmetric cyclopropanation of allylic ethers: cleavage and regeneration of the chiral auxiliary. *Journal of Organic Chemistry*, **1993**, 58, 933-936	4.2	44
100	Mild method for the synthesis of amidines by the electrophilic activation of amides. *Tetrahedron Letters*, **2000**, 41, 1677-1680	2	43
99	Mitsunobu reaction using triphenylphosphine linked to non-cross-linked polystyrene. *Journal of Organic Chemistry*, **2001**, 66, 2178-80	4.2	41

98	X-ray Crystal Structure of a Zinc Carbenoid Cyclopropanating Reagent: The IZnCH2I□18-crown-6 and Benzo-18-crown-6 Complexes. *Journal of the American Chemical Society*, **1996**, 118, 6792-6793	16.4	40
97	Asymmetric catalytic addition of diorganozinc reagents to imines: Scope and application. *Pure and Applied Chemistry*, **2005**, 77, 1259-1267	2.1	39
96	Catalytic Enantioselective Synthesis of Highly Functionalized Difluoromethylated Cyclopropanes. *Angewandte Chemie - International Edition*, **2017**, 56, 13319-13323	16.4	38
95	Defying ring strain: new approaches to cyclopropanes. *Angewandte Chemie - International Edition*, **2010**, 49, 486-8	16.4	38
94	Tetraarylphosphonium salts as solubility-control groups: phosphonium-supported triphenylphosphine and azodicarboxylate reagents. *Angewandte Chemie - International Edition*, **2006**, 45, 1415-20	16.4	38
93	Synthesis and Applications of Fluorocyclopropanes. *Synthesis*, **2016**, 48, 4060-4071	2.9	37
92	Diphenylsilane as a coupling reagent for amide bond formation. *Green Chemistry*, **2017**, 19, 5060-5064	10	36
91	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
90	Tetraarylphosphonium salts as soluble supports for the synthesis of small molecules. *Angewandte Chemie - International Edition*, **2007**, 46, 5011-4	16.4	36
89	Difluorocarbene Addition to Alkenes and Alkynes in Continuous Flow. *Organic Letters*, **2016**, 18, 1988-91	6.2	36
88	Rapid Access to 3-Aminoindazoles from Tertiary Amides. *Organic Letters*, **2015**, 17, 3386-9	6.2	35
87	Enantio- and diastereoselective iodocyclopropanation of allylic alcohols by using a substituted zinc carbenoid. *Chemistry - A European Journal*, **2009**, 15, 11829-32	4.8	35
86	Simmons-Smith Cyclopropanation Reaction **2001**, 1-415		35
85	Highly enantioselective synthesis of 1,2,3-substituted cyclopropanes by using □odo- and □chloromethylzinc carbenoids. *Chemistry - A European Journal*, **2012**, 18, 14784-91	4.8	34
84	Removal, recovery, and recycling of triarylphosphonium-supported tin reagents for various organic transformations. *Organic Letters*, **2007**, 9, 3591-4	6.2	33
83	Rhodium-catalyzed cyclopropanation of fluorinated olefins: a straightforward route to highly functionalized fluorocyclopropanes. *Organic Letters*, **2015**, 17, 1790-3	6.2	32
82	Use of achiral additives to increase the stereoselectivity in Rh(II)-catalyzed cyclopropanations. *Chemical Communications*, **2010**, 46, 910-2	5.8	32
81	[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

80	Diastereoselective Synthesis of 1,2,3-Substituted Potassium Cyclopropyl Trifluoroborates via an Unusual Zinc-Boron Exchange. *Synlett*, **2005**, 2005, 1779-1782	2.2	32
79	Synthesis of enantioenriched allenes from 1,1-cyclopropanediesters. *Organic Letters*, **2010**, 12, 564-7	6.2	31
78	Bis(oxazoline)□copper(I)-catalyzed enantioselective cyclopropanation of cinnamate esters with diazomethane. *Tetrahedron: Asymmetry*, **2003**, 14, 867-872		31
77	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
76	Access to Cyclopropyl-Fused Azacycles via a Palladium-Catalyzed Direct Alkenylation Strategy. *Organic Letters*, **2016**, 18, 6046-6049	6.2	28
75	Catalytic asymmetric synthesis of nitrocyclopropane carboxylates. *Tetrahedron*, **2012**, 68, 3487-3496	2.4	28
74	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
73	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
72	Continuous Flow Synthesis and Purification of Aryldiazomethanes through Hydrazone Fragmentation. *Angewandte Chemie - International Edition*, **2017**, 56, 837-841	16.4	27
71	Noyori□kariya catalyst supported on tetra-arylphosphonium salt for asymmetric transfer hydrogenation in water. *Green Chemistry*, **2015**, 17, 3255-3259	10	27
70	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
69	New methodology toward chiral, non-racemic 2,5-cis-substituted piperidines via Suzuki cross-coupling. *Organic Letters*, **2006**, 8, 3955-7	6.2	25
68	Borocyclopropanation of Styrenes Mediated by UV-light Under Continuous Flow Conditions. *Angewandte Chemie - International Edition*, **2018**, 57, 13514-13518	16.4	25
67	General Catalytic Enantioselective Access to Monohalomethyl and Trifluoromethyl Cyclopropanes. *Chemistry - A European Journal*, **2018**, 24, 10339-10343	4.8	25
66	Mechanism-Driven Elaboration of an Enantioselective Bromocyclopropanation Reaction of Allylic Alcohols. *Angewandte Chemie - International Edition*, **2015**, 54, 14108-12	16.4	24
65	Silver ion-induced Grob fragmentation of gamma-amino iodides: highly stereoselective synthesis of polysubstituted piperidines. *Organic Letters*, **2008**, 10, 5497-9	6.2	24
64	Highly efficient two-step synthesis of C-sp3-centered geminal diiodides. *Organic Letters*, **2004**, 6, 4731-4	6.2	24
63	Cyclopropanation Reactions of Semi-stabilized and Non-stabilized Diazo Compounds. *Synthesis*, **2019**, 51, 3947-3963	2.9	23

62	Synthesis of 3-Aminoimidazo[1,2-a]pyridines from α-Aminopyridinyl Amides. *Journal of Organic Chemistry*, **2016**, 81, 10348-10356	4.2	23
61	Cyclopropanation of protected chiral, acyclic allylic alcohols: expedient access to the anti-cyclopropylcarbinol derivatives. *Organic Letters*, **2002**, 4, 3351-3	6.2	23
60	The use of α-d-glucopyranosides as surrogates for the β-l-glucopyranosides in the stereoselective cyclopropanation reaction. *Tetrahedron Letters*, **1994**, 35, 513-516	2	23
59	New methods in asymmetric catalysis based on new hemi-labile bidentate ligands. *Pure and Applied Chemistry*, **2008**, 80, 881-890	2.1	22
58	Enantioselective synthesis of spiropentanes from hydroxymethylallenes. *Organic Letters*, **2001**, 3, 3293-5	6.2	22
57	Diastereoselective Fluorocyclopropanation of Chiral Allylic Alcohols Using an α-Fluoroiodomethylzinc Carbenoid. *Organic Letters*, **2015**, 17, 4288-91	6.2	21
56	Catalytic Enantioselective Synthesis of Halocyclopropanes. *Chemistry - A European Journal*, **2016**, 22, 6239-42	4.8	21
55	Directed functionalization of 1,2-dihydropyridines: stereoselective synthesis of 2,6-disubstituted piperidines. *Chemical Communications*, **2014**, 50, 6883-5	5.8	21
54	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
53	The use of 1,2-trans-cyclohexanediol as an efficient chiral auxiliary for the asymmetric cyclopropanation of allylic ethers. *Tetrahedron Letters*, **1993**, 34, 7157-7160	2	21
52	Safe and Facile Access to Nonstabilized Diazoalkanes Using Continuous Flow Technology. *Angewandte Chemie - International Edition*, **2018**, 57, 5777-5782	16.4	20
51	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
50	Dual role of silanol groups in cyclopropanation and Hiyama-Denmark cross-coupling reactions. *Organic Letters*, **2010**, 12, 1348-51	6.2	20
49	Tetraarylphosphonium salts as soluble supports for oxidative catalysts and reagents. *Journal of Organic Chemistry*, **2009**, 74, 8510-5	4.2	20
48	Catalytic Enantioselective Cyclopropanation of α-Fluoroacrylates: An Experimental and Theoretical Study. *ACS Catalysis*, **2019**, 9, 2594-2598	13.1	18
47	Tetraarylphosphonium-supported carbodiimide reagents: synthesis, structure optimization and applications. *Journal of Organic Chemistry*, **2008**, 73, 2542-7	4.2	18
46	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
45	Cyclopropanation of Allylic Alcohols using Substituted Haloalkylzinc Reagents: Synthesis of gem-Dimethylcyclopropanes. *Synlett*, **2002**, 2002, 0176-0178	2.2	17

44	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
43	Engineered, highly reactive substrates of microbial transglutaminase enable protein labeling within various secondary structure elements. *Protein Science*, **2017**, 26, 2268-2279	6.3	16
42	Photoinduced alkyl group exchange of ethylzinc alkoxides: X-ray crystal structure of an iodomethylzinc methoxide. *Chemical Communications*, **2002**, 466-7	5.8	16
41	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
40	Phosphonium supported triphenylphosphine reagent: an improved access to □fluoro-□unsaturated esters. *Tetrahedron Letters*, **2006**, 47, 7931-7933	2	15
39	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
38	The stereoselective cyclopropanation of chiral allylic alcohols using a chiral dioxaborolane ligand: A new route to anti-cyclopropylmethanol derivatives. *Tetrahedron*, **1999**, 55, 8845-8856	2.4	15
37	Synthesis of Fluoro-, Monofluoromethyl-, Difluoromethyl-, and Trifluoromethyl-Substituted Three-Membered Rings. *Chemistry - A European Journal*, **2021**, 27, 2935-2962	4.8	15
36	Diastereo- und enantioselektive Synthese von 1,2,3-substituierten Cyclopropanen mit Zinkcarbenoiden. *Angewandte Chemie*, **1997**, 109, 1163-1165	3.6	14
35	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
34	One-pot synthesis of 1-iodoalkynes and trisubstituted alkenes from benzylic and allylic bromides. *Organic Letters*, **2012**, 14, 5464-7	6.2	13
33	Reinvestigation of the chemoselective cyclopropanation of allylic alcohols, allylic ethers and alkenes: a comparison between various reagents and protocols. *Journal of Organometallic Chemistry*, **2001**, 617-618, 702-708	2.3	13
32	New Family of Cyclopropanating Reagents: Synthesis, Reactivity, and Stability Studies of Iodomethylzinc Phenoxides. *Angewandte Chemie*, **2000**, 112, 4713-4716	3.6	12
31	Asymmetric Synthesis of Fluoro, Fluoromethyl, Difluoromethyl, and Trifluoromethylcyclopropanes. *Accounts of Chemical Research*, **2021**, 54, 2969-2990	24.3	12
30	Catalytic Enantioselective Synthesis of Highly Functionalized Difluoromethylated Cyclopropanes. *Angewandte Chemie*, **2017**, 129, 13504-13508	3.6	11
29	Intramolecular sp(3) Functionalization of Cyclopropyl □Amino Acid-Derived Benzamides. *Journal of Organic Chemistry*, **2016**, 81, 256-64	4.2	10
28	Spectroscopic characterization of (diiodomethyl)zinc iodide: application to the stereoselective synthesis and functionalization of iodocyclopropanes. *Chemical Communications*, **2017**, 53, 9606-9609	5.8	10
27	Continuous Flow Synthesis and Purification of Aryldiazomethanes through Hydrazone Fragmentation. *Angewandte Chemie*, **2017**, 129, 855-859	3.6	9

26	Tetraarylphosphonium Salts as Solubility-Control Groups: Phosphonium-Supported Triphenylphosphine and Azodicarboxylate Reagents. *Angewandte Chemie*, **2006**, 118, 1443-1448	3.6	9
25	Rhodium catalysed enantioselective synthesis of mono-(halo)-methyl-cyclopropanes. *Organic and Biomolecular Chemistry*, **2019**, 17, 472-476	3.9	8
24	9-Silafluorenyl Dichlorides as Chemically Ligating Coupling Agents and Their Application in Peptide Synthesis. *Angewandte Chemie*, **2016**, 128, 14037-14041	3.6	8
23	Mechanism-Driven Elaboration of an Enantioselective Bromocyclopropanation Reaction of Allylic Alcohols. *Angewandte Chemie*, **2015**, 127, 14314-14318	3.6	8
22	Catalytic C□H Bond Functionalization of Cyclopropane Derivatives. *Topics in Organometallic Chemistry*, **2015**, 91-113	0.6	7
21	Asymmetric Cyclopropanation and Aziridination Reactions **2014**, 203-238		7
20	Cyclopropanation Mediated by Zinc Organometallics237-286		7
19	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
18	Microwave-assisted hydrolysis: efficient synthesis of □substituted cysteines on multi-gram scale. *RSC Advances*, **2012**, 2, 5502	3.7	6
17	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
16	Catalytic Asymmetric Synthesis of □Difluoromethylated and □Fluoromethylated Tertiary Alcohols. *Organic Letters*, **2019**, 21, 7509-7513	6.2	5
15	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
14	Highly regioselective intermolecular arylation of 1,2,3,4-tetrahydropyridines. *Organic Letters*, **2008**, 10, 4791-4	6.2	5
13	Continuous Flow Chlorination of Alkenyl Iodides Promoted by Copper Tubing. *Synthesis*, **2019**, 51, 251-257	2.9	5
12	Synthesis of Dimethyl 2-Phenylcyclopropane-1,1-Dicarboxylate Using an Iodonium Ylide Derived from Dimethyl Malonate **2010**, 115-125		5
11	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
10	Safe and Facile Access to Nonstabilized Diazoalkanes Using Continuous Flow Technology. *Angewandte Chemie*, **2018**, 130, 5879-5884	3.6	3
9	Stereoselective formation of amines by nucleophilic addition to azomethine derivatives. *Topics in Current Chemistry*, **2014**, 343, 33-73		3

8	Borocyclopropanation of Styrenes Mediated by UV-light Under Continuous Flow Conditions. *Angewandte Chemie*, **2018**, 130, 13702-13706	3.6	2
7	Preparation of Enantiomerically Pure (R,R)-BozPHOS **2006**, 1-4		1
6	Preparation of (E)-(2-Iodovinyl)Benzene from Benzyl Bromide and Diiodomethane **2010**, 170-177		1
5	Enantioselective Synthesis of cis- and trans-Borocyclopropylmethanol: Simple Building Blocks To Access Heterocycle-Substituted Cyclopropylmethanols. *Synthesis*, **2019**, 51, 3834-3846	2.9	0
4	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
3	Spectroscopic Characterization of Heterohalogenic Dihalomethylzinc Carbenoids: Application to a More Efficient Chlorocyclopropanation Reaction. *Organometallics*, **2022**, 41, 83-92	3.8	0
2	Three-Step Synthesis of 2-(Diiodomethyl)-4,4,5,5-Tetramethyl-1,3,2-Dioxaborolane from Dichloromethane1-23		
1	Implementing flow chemistry in education: the NSERC CREATE program in continuous flow science. *Journal of Flow Chemistry*, **2021**, 11, 13-17	3.3	