

AndrÃ© M Beauchemin

List of Publications by Year in descending order

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212478

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125
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125
docs citations

125
times ranked

2360
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic Generation of α -Centered Hydrazonyl Radicals: A Strategy for Hydroamination of β,β -Unsaturated Hydrazones. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12163-12167.	7.2	270
2	A Catalytic Tethering Strategy: Simple Aldehydes Catalyze Intermolecular Alkene Hydroaminations. <i>Journal of the American Chemical Society</i> , 2011, 133, 20100-20103.	6.6	113
3	Total Synthesis of (+)-Azaspiracid-1. An Exhibition of the Intricacies of Complex Molecule Synthesis. <i>Journal of the American Chemical Society</i> , 2008, 130, 16295-16309.	6.6	92
4	Intermolecular Cope-Type Hydroamination of Alkenes and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1410-1413.	7.2	87
5	Hydrazides as Tunable Reagents for Alkene Hydroamination and Aminocarbonylation. <i>Journal of the American Chemical Society</i> , 2009, 131, 8740-8741.	6.6	85
6	Intermolecular Cope-Type Hydroamination of Alkenes and Alkynes using Hydroxylamines. <i>Journal of the American Chemical Society</i> , 2008, 130, 17893-17906.	6.6	84
7	Catalysis through Temporary Intramolecularity: Mechanistic Investigations on Aldehyde-Catalyzed Cope-type Hydroamination Lead to the Discovery of a More Efficient Tethering Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 16571-16577.	6.6	70
8	Highly Enantioselective Intermolecular Hydroamination of Allylic Amines with Chiral Aldehydes as Tethering Catalysts. <i>Chemistry - A European Journal</i> , 2013, 19, 2597-2601.	1.7	70
9	Preparation, Solid-State Structure, and Synthetic Applications of Isolable and Storable Haloalkylzinc Reagents. <i>Journal of the American Chemical Society</i> , 2000, 122, 4508-4509.	6.6	65
10	Acyloxymethylzinc Reagents: Preparation, Reactivity, and Solid-State Structure of This Novel Class of Cyclopropanating Reagents. <i>Journal of the American Chemical Society</i> , 2001, 123, 8139-8140.	6.6	62
11	Recent developments in Cope-type hydroamination reactions of hydroxylamine and hydrazine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7039.	1.5	59
12	The Tandem Cope-Type Hydroamination/[2,3]-Rearrangement Sequence: A Strategy to Favor the Formation of Intermolecular Hydroamination Products and Enable Difficult Cyclizations. <i>Journal of the American Chemical Society</i> , 2009, 131, 874-875.	6.6	57
13	Total Synthesis of (+)-Azaspiracid-1. Part II: Synthesis of the EFGHI Sulfone and Completion of the Synthesis. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4698-4703.	7.2	56
14	A Tunable Route for the Synthesis of Azomethine Imines and β -Aminocarbonyl Compounds from Alkenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 16111-16114.	6.6	53
15	Synthesis of Pyridines and Pyrazines Using an Intramolecular Hydroamination-Based Reaction Sequence. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8325-8327.	7.2	50
16	Design and discovery of new antiproliferative 1,2,4-triazin-3(2H)-ones as tubulin polymerization inhibitors targeting colchicine binding site. <i>Bioorganic Chemistry</i> , 2021, 112, 104965.	2.0	45
17	Total Synthesis of (+)-Azaspiracid-1. Part I: Synthesis of the Fully Elaborated ABCD-Aldehyde. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4693-4697.	7.2	44
18	Ketonitrone via Cope-Type Hydroamination of Allenes. <i>Organic Letters</i> , 2009, 11, 1895-1898.	2.4	44

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19	Photoinduced Synthesis of Diorganozinc and Organozinc Iodide Reagents. <i>Journal of the American Chemical Society</i> , 1998, 120, 5114-5115.	6.6	42
20	Simple Reaction Conditions for the Formation of Ketonitrones from Ketones and Hydroxylamines. <i>Journal of Organic Chemistry</i> , 2009, 74, 8381-8383.	1.7	42
21	Synthesis and Reactivity of Unsymmetrical Azomethine Imines Formed Using Alkene Aminocarbonylation. <i>Organic Letters</i> , 2013, 15, 1890-1893.	2.4	41
22	Cascade reactions of nitrogen-substituted isocyanates: a new tool in heterocyclic chemistry. <i>Chemical Science</i> , 2016, 7, 315-328.	3.7	41
23	Asymmetric Brønsted Acid Catalysis Enabling Hydroaminations of Dienes and Allenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8233-8235.	7.2	38
24	Organocatalysis using aldehydes: the development and improvement of catalytic hydroaminations, hydrations and hydrolyses. <i>Chemical Communications</i> , 2017, 53, 13192-13204.	2.2	38
25	Improved Cope-type hydroamination reactivity of hydrazine derivatives. <i>Chemical Communications</i> , 2011, 47, 562-564.	2.2	35
26	Hydrogen Bonding Directed Intermolecular Cope-Type Hydroamination of Alkenes. <i>Organic Letters</i> , 2012, 14, 5082-5085.	2.4	34
27	A rare ligand bridged ferromagnetically coupled MnIV ₃ complex with a ground spin state of S = 9/2. <i>Chemical Communications</i> , 2008, , 2782.	2.2	30
28	Intermolecular Hydroaminations via Strained (E)-Cycloalkenes. <i>Journal of Organic Chemistry</i> , 2008, 73, 1004-1007.	1.7	30
29	Intermolecular Cope-type hydroamination of alkynes using hydrazines. <i>Chemical Communications</i> , 2008, , 492-493.	2.2	28
30	Cyclic Ureate Tantalum Catalyst for Preferential Hydroaminoalkylation with Aliphatic Amines: Mechanistic Insights into Substrate Controlled Reactivity. <i>Journal of the American Chemical Society</i> , 2020, 142, 15740-15750.	6.6	28
31	Diversity-Oriented Synthesis of Hydrazine-Derived Compounds from Amino Isocyanates Generated In Situ. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12705-12708.	7.2	27
32	A novel high-spin tridecanuclear Ni ^{II} cluster with an azido-bridged core exhibiting disk-like topology. <i>Chemical Communications</i> , 2012, 48, 1287-1289.	2.2	26
33	Free Radical Reaction of Diisopropyl Xanthogen Disulfide with Unsaturated Systems. <i>Heterocycles</i> , 1998, 48, 2003.	0.4	26
34	Rearrangements and addition reactions of biarylazacyclooctynones and the implications to copper-free click chemistry. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3436.	1.5	24
35	Carbohydrates as efficient catalysts for the hydration of α -amino nitriles. <i>Chemical Communications</i> , 2016, 52, 13147-13150.	2.2	24
36	N-Isocyanates, N-Isouthiocyanates and Their Masked/Blocked Derivatives: Synthesis and Reactivity. <i>Synthesis</i> , 2016, 48, 3625-3645.	1.2	23

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37	Synthesis of Azomethine Imines Using an Intramolecular Alkyne Hydrohydrazination Approach. <i>Journal of Organic Chemistry</i> , 2013, 78, 8847-8852.	1.7	22
38	A Cascade Synthesis of Aminohydantoins Using In Situ Generated <i>N</i> -Substituted Isocyanates. <i>Chemistry - A European Journal</i> , 2015, 21, 3886-3890.	1.7	22
39	Modular Synthesis of Pyrazolones Using an Alkene Aminocarbonylation Reaction. <i>Organic Letters</i> , 2015, 17, 3612-3615.	2.4	21
40	Formation of Complex Hydrazine Derivatives via Aza-Lossen Rearrangement. <i>Organic Letters</i> , 2019, 21, 4849-4852.	2.4	21
41	Photoinduced alkyl group exchange of ethylzinc alkoxides: X-ray crystal structure of an iodomethylzinc methoxide. <i>Chemical Communications</i> , 2002, , 466.	2.2	20
42	Strain-Release Electrophilic Activation via <i>E</i> -Cycloalkenones. <i>Organic Letters</i> , 2007, 9, 3893-3896.	2.4	19
43	One-Pot Synthesis of Aza-Diketopiperazines Enabled by Controlled Reactivity of <i>N</i> -Isocyanate Precursors. <i>Organic Letters</i> , 2015, 17, 4898-4901.	2.4	19
44	Intramolecular Alkene Aminocarbonylation Using Concerted Cycloadditions of Amino <i>N</i> -Isocyanates. <i>Chemistry - A European Journal</i> , 2016, 22, 7906-7916.	1.7	19
45	Photoinduced 1,4-Additions of Indoles to Enones. <i>Journal of Organic Chemistry</i> , 2006, 71, 676-679.	1.7	18
46	Diversity-oriented heterocyclic synthesis using divergent reactivity of <i>N</i> -substituted iso(thio)cyanates. <i>Chemical Communications</i> , 2015, 51, 16405-16408.	2.2	18
47	Synthesis of Cyclic Azomethine Imines by Cycloaddition Reactions of <i>N</i> -Isocyanates and <i>N</i> -Isothiocyanates. <i>Organic Letters</i> , 2016, 18, 3778-3781.	2.4	18
48	Copper-Catalyzed Cascade Substitution/Cyclization of <i>N</i> -Isocyanates: A Synthesis of 1-Aminobenzimidazolones. <i>Organic Letters</i> , 2016, 18, 3482-3485.	2.4	18
49	Preparation and reactivity of some functionalized halomethylzinc carbenoids. <i>Tetrahedron Letters</i> , 1999, 40, 33-36.	0.7	17
50	Kinetic Resolution of Azomethine Imines by Brønsted Acid Catalyzed Enantioselective Reduction. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15516-15519.	7.2	17
51	Formaldehyde as Tethering Organocatalyst: Highly Diastereoselective Hydroaminations of Allylic Amines. <i>Organic Letters</i> , 2015, 17, 5136-5139.	2.4	17
52	Intermolecular Aminocarbonylation of Alkenes using Concerted Cycloadditions of Iminoisocyanates. <i>Journal of Organic Chemistry</i> , 2017, 82, 1175-1194.	1.7	17
53	Photocatalytic Intramolecular C-H Amination Using <i>N</i> -Oxyureas as Nitrene Precursors. <i>Organic Letters</i> , 2020, 22, 6360-6364.	2.4	17
54	Reinvestigation of the chemoselective cyclopropanation of allylic alcohols, allylic ethers and alkenes: a comparison between various reagents and protocols. <i>Journal of Organometallic Chemistry</i> , 2001, 617-618, 702-708.	0.8	16

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55	Synthesis of <i>N</i> -Oxyureas by Substitution and Cope-Type Hydroamination Reactions Using <i>O</i> -Isocyanate Precursors. <i>Organic Letters</i> , 2017, 19, 6574-6577.	2.4	16
56	Turning on Single-Molecule Magnet Behavior in a Linear {Mn ₃ } Compound. <i>Inorganic Chemistry</i> , 2013, 52, 1296-1303.	1.9	15
57	Studies on Difficult Intramolecular Hydroaminations in the Context of Four Syntheses of Alkaloid Natural Products. <i>Journal of Organic Chemistry</i> , 2013, 78, 12735-12749.	1.7	14
58	Synthesis of Indazolones via Friedel-Crafts Cyclization of Blocked (Masked) <i>N</i> -Isocyanates. <i>Journal of Organic Chemistry</i> , 2017, 82, 9890-9897.	1.7	14
59	<i>o</i> -Phthalaldehyde catalyzed hydrolysis of organophosphinic amides and other P(=O)=NH containing compounds. <i>Chemical Communications</i> , 2017, 53, 8667-8670.	2.2	14
60	A Practical Approach to Semicarbazone and Hydrazone Derivatives via Imino-isocyanates. <i>Organic Letters</i> , 2013, 15, 4074-4077.	2.4	13
61	Rhodium-Catalyzed Synthesis of Amides from Functionalized Blocked Isocyanates. <i>ACS Catalysis</i> , 2019, 9, 8104-8109.	5.5	13
62	Catalytic substitution/cyclization sequences of <i>O</i> -substituted Isocyanates: synthesis of 1-alkoxybenzimidazolones and 1-alkoxy-3,4-dihydroquinazolin-2(1 <i>H</i>)-ones. <i>Chemical Communications</i> , 2017, 53, 13055-13058.	2.2	12
63	Exploiting intramolecularity. <i>Nature Chemistry</i> , 2013, 5, 731-732.	6.6	11
64	Divergent Reactivity of <i>N</i> -Isocyanates with Primary and Secondary Amines: Access to Pyridazinones and Triazinones. <i>Organic Letters</i> , 2016, 18, 658-661.	2.4	11
65	<i>O</i> -Isocyanates as Uncharged 1,3-Dipole Equivalents in [3+2] Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23188-23197.	7.2	11
66	STUDIES OF TRIPHENYLSILANETHIOL ADDITION TO ALKYNES: PREPARATION OF VINYL SULFIDES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1998, 139, 187-192.	0.8	10
67	Combining oximes with azides to create a novel 1-D [NaCo ^{III}] ₂] system: synthesis, structure and solid-state NMR. <i>Dalton Transactions</i> , 2010, 39, 1504-1510.	1.6	9
68	Stereoelectronic Basis for the Kinetic Resolution of <i>N</i> -Heterocycles with Chiral Acylating Reagents. <i>Chemistry - A European Journal</i> , 2014, 20, 7228-7231.	1.7	9
69	Oxygen-Substituted Isocyanates: Blocked (Masked) Isocyanates Enable Controlled Reactivity. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4289-4293.	2.1	9
70	Synthesis of Hydroxamic Acid Derivatives Using Blocked (Masked) <i>O</i> -Isocyanate Precursors. <i>Organic Letters</i> , 2020, 22, 7403-7407.	2.4	6
71	Aminimide Synthesis Using Concerted Amination Reactions of Alkenes: Scope and Mechanistic Information. <i>Journal of Organic Chemistry</i> , 2019, 84, 9792-9800.	1.7	5
72	A Bifunctional Nucleoside Probe for the Inhibition of the Human Immunodeficiency Virus-Type 1 Reverse Transcriptase. <i>Bioconjugate Chemistry</i> , 2020, 31, 1537-1544.	1.8	5

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73	Investigation of Masked <i>N</i> -Acyl <i>N</i> -isocyanates: Support for Oxadiazolones as Blocked <i>N</i> -isocyanate Precursors. <i>Chemistry - A European Journal</i> , 2021, 27, 14051-14056.	1.7	5
74	On the Ability of Formaldehyde to Act as a Tethering Catalyst in Water. <i>Origins of Life and Evolution of Biospheres</i> , 2017, 47, 405-412.	0.8	3
75	Reactivity of <i>N</i> -acyl hydrazone probes with the mammalian proteome. <i>RSC Medicinal Chemistry</i> , 2021, 12, 797-803.	1.7	3
76	Thieme Chemistry Journals Awardees – “Where Are They Now? A Cascade Synthesis of 1,2,4-Triazin-3(2H)-ones Using Nitrogen-Substituted Isocyanates. <i>Synlett</i> , 2017, 28, 456-460.	1.0	2
77	O <i>N</i> -isocyanates as Uncharged 1,3-Dipole Equivalents in [3+2] Cycloadditions. <i>Angewandte Chemie</i> , 2020, 132, 23388-23397.	1.6	2
78	Expedient Synthesis of 2-Oxopiperazines Using a SN2 / Cope-Type Hydroamination Sequence. <i>Heterocycles</i> , 2014, 88, 639.	0.4	2
79	Synthesis of 2-epi-Pumiliotoxin C via a Challenging Intramolecular Hydroamination Key Step. <i>Synlett</i> , 2009, 2009, 1087-1090.	1.0	0