

Laura Castoldi

List of Publications by Year in descending order

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38
papers

1,660
citations

331670

21
h-index

315739

38
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46
all docs

46
docs citations

46
times ranked

1561
citing authors

#	ARTICLE	IF	CITATIONS
1	2-Methyltetrahydrofuran (2-MeTHF): A Biomass-Derived Solvent with Broad Application in Organic Chemistry. <i>ChemSusChem</i> , 2012, 5, 1369-1379.	6.8	520
2	Addition of lithium carbenoids to isocyanates: a direct access to synthetically useful N-substituted 2-haloacetamides. <i>Chemical Communications</i> , 2013, 49, 8383.	4.1	85
3	Recent advancements on the use of 2-methyltetrahydrofuran in organometallic chemistry. <i>Monatshefte für Chemie</i> , 2017, 148, 37-48.	1.8	84
4	Efficient Access to All-Carbon Quaternary and Tertiary α -Functionalized Homoallyl-type Aldehydes from Ketones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12677-12682.	13.8	71
5	Homologation chemistry with nucleophilic α -substituted organometallic reagents: chemocontrol, new concepts and (solved) challenges. <i>Chemical Communications</i> , 2018, 54, 6692-6704.	4.1	58
6	Synthesis of α,β -Unsaturated α -Haloketones through the Chemoselective Addition of Halomethylolithiums to Weinreb Amides. <i>Journal of Organic Chemistry</i> , 2013, 78, 7764-7770.	3.2	57
7	Isocyanates and isothiocyanates as versatile platforms for accessing (thio)amide-type compounds. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7848-7854.	2.8	55
8	Highly regioselective control of 1,2-addition of organolithiums to α,β -unsaturated compounds promoted by lithium bromide in 2-methyltetrahydrofuran: a facile and eco-friendly access to allylic alcohols and amines. <i>Tetrahedron</i> , 2011, 67, 2670-2675.	1.9	52
9	Evidence and isolation of tetrahedral intermediates formed upon the addition of lithium carbenoids to Weinreb amides and N-acylpyrroles. <i>Chemical Communications</i> , 2017, 53, 9498-9501.	4.1	52
10	Chemoselective Addition of Halomethylolithiums to Functionalized Isatins: A Straightforward Access to Spiro-Epoxyoxindoles. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 172-177.	4.3	47
11	Homologation of Isocyanates with Lithium Carbenoids: A Straightforward Access to α -Halomethyl- and α,β -Dihalomethylamides. <i>Synthesis</i> , 2014, 46, 2897-2909.	2.3	45
12	New Perspectives in Lithium Carbenoid Mediated Homologations. <i>Synlett</i> , 2017, 28, 879-888.	1.8	45
13	Chemoselective efficient synthesis of functionalized β -oxonitriles through cyanomethylation of Weinreb amides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1969-1973.	2.8	41
14	Expeditious and Chemoselective Synthesis of α -Aryl and α -Alkyl Selenomethylketones via Homologation Chemistry. <i>Organic Letters</i> , 2018, 20, 2685-2688.	4.6	39
15	Weinreb Amides as Privileged Acylating Agents for Accessing α -Substituted Ketones. <i>Synthesis</i> , 2019, 51, 2792-2808.	2.3	39
16	A Robust, Eco-Friendly Access to Secondary Thioamides through the Addition of Organolithium Reagents to Isothiocyanates in Cyclopentyl Methyl Ether (CPME). <i>Chemistry - A European Journal</i> , 2015, 21, 18966-18970.	3.3	38
17	Robust eco-friendly protocol for the preparation of β -hydroxy- α,β -acetylenic esters by sequential one-pot elimination-addition of 2-bromoacrylates to aldehydes promoted by LTMP in 2-MeTHF. <i>Green Chemistry</i> , 2012, 14, 1859.	9.0	30
18	Chemoselective Additions of Chloromethylolithium Carbenoid to Cyclic Enones: A Direct Access to Chloromethyl Allylic Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1761-1766.	4.3	30

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19	Electrophilic Vinylation of Thiols under Mild and Transition Metal-Free Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15512-15516.	13.8	27
20	Efficient Access to All-Carbon Quaternary and Tertiary α -Functionalized Homoallyl-type Aldehydes from Ketones. <i>Angewandte Chemie</i> , 2017, 129, 12851-12856.	2.0	23
21	Highly efficient and environmentally benign preparation of Weinreb amides in the biphasic system 2-MeTHF/water. <i>RSC Advances</i> , 2013, 3, 10158.	3.6	22
22	Eco-friendly chemoselective N-functionalization of isatins mediated by supported KF in 2-MeTHF. <i>Green Chemistry</i> , 2015, 17, 4194-4197.	9.0	22
23	Merging lithium carbenoid homologation and enzymatic reduction: A combinative approach to the HIV-protease inhibitor Nelfinavir. <i>Tetrahedron</i> , 2018, 74, 2211-2217.	1.9	21
24	Highly chemoselective synthesis of aryl allylic sulfoxides through calcium hypobromite oxidation of aryl allylic sulfides. <i>Tetrahedron Letters</i> , 2012, 53, 967-972.	1.4	20
25	Homologation of halostannanes with carbenoids: a convenient and straightforward one-step access to α -functionalized organotin reagents. <i>Chemical Communications</i> , 2018, 54, 10112-10115.	4.1	18
26	Halogen-impacted Reactivity in Lithium Carbenoid Mediated Homologations of Imine Surrogates: Direct Assembly of bis-trifluoromethylated Diketiminates and the Dual Role of LiCH ₂ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20852-20857.	13.8	17
27	Transition metal-free and regioselective vinylation of phosphine oxides and <i>h</i> -phosphinates with VBX reagents. <i>Chemical Communications</i> , 2020, 56, 14389-14392.	4.1	17
28	α -Arylamino Diazoketones: Diazomethane-Loading Controlled Synthesis, Spectroscopic Investigations, and Structural X-ray Analysis. <i>Journal of Organic Chemistry</i> , 2018, 83, 4336-4347.	3.2	13
29	α -Amino- α -Halomethylketones: Synthetic Methodologies and Pharmaceutical Applications as Serine and Cysteine Protease Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 988-996.	2.4	12
30	Multinuclear NMR spectra and GIAO/DFT calculations of N-benzylazoles and N-benzylbenzazoles. <i>Structural Chemistry</i> , 2019, 30, 1729-1735.	2.0	10
31	Electrophilic Vinylation of Thiols under Mild and Transition Metal-Free Conditions. <i>Angewandte Chemie</i> , 2020, 132, 15642-15646.	2.0	10
32	Chemoselective oxidative hydrolysis of EWG protected α -arylamino vinyl bromides to α -arylamino- α -bromoacetones. <i>Tetrahedron Letters</i> , 2013, 54, 4369-4372.	1.4	9
33	A practical guide for using lithium halocarbenoids in homologation reactions. <i>Monatshefte für Chemie</i> , 2018, 149, 1285-1291.	1.8	9
34	Recent advances in the synthesis and reactivity of spiro-epoxyoxindoles. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 389-393.	1.2	8
35	Synthesis of tetrasubstituted pyrazoles containing pyridinyl substituents. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 895-902.	2.2	5
36	Straightforward synthesis of bench-stable heteroatom-centered difluoromethylated entities <i>via</i> controlled nucleophilic transfer from activated TMSCHF ₂ . <i>Chemical Communications</i> , 2022, 58, 5761-5764.	4.1	4

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37	Halogenâ€Imparted Reactivity in Lithium Carbenoid Mediated Homologations of Imine Surrogates: Direct Assembly of bisâ€trifluoromethylâ€Diketiminates and the Dual Role of LiCH 2 I. <i>Angewandte Chemie</i> , 2020, 132, 21038-21043.	2.0	3
38	Easy as one, two, three. <i>Nature Chemistry</i> , 2018, 10, 1081-1082.	13.6	2