Leonardo Degennaro

List of Publications by Year
in descending order

92 papers	2,976 citations	185998 28 h-index	182168 51 g-index
110 all docs	110 docs citations	110 times ranked	2246 citing authors

#	Article	IF	Citations
1	The synthetic versatility of fluoroiodomethane: recent applications as monofluoromethylation platform. Organic and Biomolecular Chemistry, 2022, 20, 4669-4680.	1.5	12
2	Flow technology enabled preparation of C3-heterosubstituted 1-azabicyclo[1.1.0]butanes and azetidines: accessing unexplored chemical space in strained heterocyclic chemistry. Chemical Communications, 2022, 58, 6356-6359.	2.2	15
3	Dynamic Phenomena and Complexation Effects in the Î±-Lithiation and Asymmetric Functionalization of Azetidines. Molecules, 2022, 27, 2847.	1.7	4
4	Nâˆ’N Bond Formation Using an Iodonitrene as an Umpolung of Ammonia: Straightforward and Chemoselective Synthesis of Hydrazinium Salts. Advanced Synthesis and Catalysis, 2021, 363, 194-199.	2.1	18
5	Flow Technology for Telescoped Generation, Lithiation and Electrophilic (C₃) Functionalization of Highly Strained 1â€Azabicyclo[1.1.0]butanes. Angewandte Chemie - International Edition, 2021, 60, 6395-6399.	7.2	28
6	Flow Technology for Telescoped Generation, Lithiation and Electrophilic (C 3) Functionalization of Highly Strained 1â€Azabicyclo[1.1.0]butanes. Angewandte Chemie, 2021, 133, 6465-6469.	1.6	11
7	Lithiated three-membered heterocycles as chiral nucleophiles in the enantioselective synthesis of 1-oxaspiro[2,3]hexanes. Organic and Biomolecular Chemistry, 2021, 19, 1945-1949.	1.5	3
8	Development of a Continuous Flow Synthesis of 2-Substituted Azetines and 3-Substituted Azetidines by Using a Common Synthetic Precursor. Journal of Organic Chemistry, 2021, 86, 13943-13954.	1.7	20
9	Sulfinimidate Esters as an Electrophilic Sulfinimidoyl Motif Source: Synthesis of <i>N</i>-Protected Sulfilimines from Grignard Reagents. Organic Letters, 2021, 23, 6850-6854.	2.4	17
10	Synthesis and Transformations of NHâ€Sulfoximines. Chemistry - A European Journal, 2021, 27, 17293-17321.	1.7	78
11	Azetidines, Azetines and Azetes: Monocyclic. , 2021, , 1-1.		0
12	Frontispiece: Synthesis and Transformations of NHâ€Sulfoximines. Chemistry - A European Journal, 2021, 27, .	1.7	0
13	Continuous Flow Synthesis of Heterocycles: A Recent Update on the Flow Synthesis of Indoles. Molecules, 2020, 25, 3242.	1.7	27
14	Synthesis of Sulfinamidines and Sulfinimidate Esters by Transfer of Nitrogen to Sulfenamides. Organic Letters, 2020, 22, 7129-7134.	2.4	22
15	Synthesis of glycosyl sulfoximines by a highly chemo- and stereoselective NH- and O-transfer to thioglycosides. Organic and Biomolecular Chemistry, 2020, 18, 3893-3897.	1.5	12
16	Fluoroâ€Substituted Methyllithium Chemistry: External Quenching Method Using Flow Microreactors. Angewandte Chemie, 2020, 132, 11016-11020.	1.6	16
17	Fluoroâ€Substituted Methyllithium Chemistry: External Quenching Method Using Flow Microreactors. Angewandte Chemie - International Edition, 2020, 59, 10924-10928.	7.2	60
18	The renaissance of strained 1-azabicyclo[1.1.0]butanes as useful reagents for the synthesis of functionalized azetidines. Organic and Biomolecular Chemistry, 2020, 18, 5798-5810.	1.5	27

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19	Flow Microreactor Technology for Taming Highly Reactive Chloroiodomethyllithium Carbenoid: Direct and Chemoselective Synthesis of Î±-Chloroaldehydes. Organic Letters, 2020, 22, 3623-3627.	2.4	47
20	Synthesis of Sulfonimidamides from Sulfenamides via an Alkoxyâ€•aminoâ€•Î»⁶â€•sulfanenitrile Intermediate. Angewandte Chemie - International Edition, 2019, 58, 14303-14310.	7.2	57
21	Synthesis of Sulfonimidamides from Sulfenamides via an Alkoxyâ€•aminoâ€•Î» 6 â€•sulfanenitrile Intermediate. Angewandte Chemie, 2019, 131, 14441-14448.	1.6	16
22	Development of a continuous flow synthesis of propranolol: tackling a competitive side reaction. Journal of Flow Chemistry, 2019, 9, 231-236.	1.2	7
23	A Study of Grapheneâ€•Based Copper Catalysts: Copper(I) Nanoplatelets for Batch and Continuousâ€•Flow Applications. Chemistry - an Asian Journal, 2019, 14, 3011-3018.	1.7	9
24	Stereo- and Enantioselective Addition of Organolithiums to 2-Oxazolinylazetidines as a Synthetic Route to 2-Acylazetidines. Frontiers in Chemistry, 2019, 7, 614.	1.8	7
25	Straightforward chemo- and stereoselective fluorocyclopropanation of allylic alcohols: exploiting the electrophilic nature of the not so elusive fluoroiodomethyllithium. Chemical Communications, 2019, 55, 8430-8433.	2.2	38
26	(S)-Ethyl 2-(tert-butoxycarbonylamino)-3-(2-iodo-4,5-methylenedioxyphenyl)propanoate. MolBank, 2019, 2019, M1049.	0.2	0
27	Benchmarking Acidic and Basic Catalysis for a Robust Production of Biofuel from Waste Cooking Oil. Catalysts, 2019, 9, 1050.	1.6	7
28	Modular and Chemoselective Strategy for the Direct Access to Î±-Fluoroepoxides and Aziridines via the Addition of Fluoroiodomethyllithium to Carbonyl-Like Compounds. Organic Letters, 2019, 21, 584-588.	2.4	65
29	Titanium Dioxide as a Catalyst in Biodiesel Production. Catalysts, 2019, 9, 75.	1.6	65
30	Highly Chemoselective NH- and O-Transfer to Thiols Using Hypervalent Iodine Reagents: Synthesis of Sulfonimidates and Sulfonamides. Organic Letters, 2018, 20, 2599-2602.	2.4	50
31	Targeting a Mirabegron precursor by BH3-mediated continuous flow reduction process. Catalysis Today, 2018, 308, 81-85.	2.2	3
32	1,3-Dibromo-1,1-difluoro-2-propanone as a Useful Synthon for a Chemoselective Preparation of 4-Bromodifluoromethyl Thiazoles. ACS Omega, 2018, 3, 14841-14848.	1.6	8
33	Sequential Î±-lithiation and aerobic oxidation of an arylacetic acid - continuous-flow synthesis of cyclopentyl mandelic acid. Journal of Flow Chemistry, 2018, 8, 109-116.	1.2	12
34	Azetidineâ€“Borane Complexes: Synthesis, Reactivity, and Stereoselective Functionalization. Journal of Organic Chemistry, 2018, 83, 10221-10230.	1.7	18
35	Use of Hypervalent Iodine in the Synthesis of Isomeric Dihydrooxazoles. Chemistry of Heterocyclic Compounds, 2018, 54, 428-436.	0.6	6
36	Use of azetidine scaffolds in stereoselective transformations (microreview). Chemistry of Heterocyclic Compounds, 2018, 54, 400-402.	0.6	6

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37	A Practical 11B NMR Evaluation of BH3 Titer in Commercial Solutions. Synthesis, 2017, 49, 1969-1971.	1.2	2
38	2-Arylazetidines as ligands for nicotinic acetylcholine receptors. Chemistry of Heterocyclic Compounds, 2017, 53, 329-334.	0.6	5
39	Chiral Switchable Catalysts for Dynamic Control of Enantioselectivity. ACS Catalysis, 2017, 7, 4100-4114.	5.5	58
40	Functionalization of four-membered cyclic sulfoximines by a convenient lithiation/trapping sequence. Chemistry of Heterocyclic Compounds, 2017, 53, 322-328.	0.6	7
41	Synthesis of NH-sulfoximines from sulfides by chemoselective one-pot N- and O-transfers. Chemical Communications, 2017, 53, 348-351.	2.2	136
42	A greener and efficient access to substituted four- and six-membered sulfur-bearing heterocycles. Organic and Biomolecular Chemistry, 2017, 15, 5000-5015.	1.5	21
43	Exploiting a â€œBeastâ€•in Carbenoid Chemistry: Development of a Straightforward Direct Nucleophilic Fluoromethylation Strategy. Journal of the American Chemical Society, 2017, 139, 13648-13651.	6.6	104
44	Straightforward Strategies for the Preparation of NH-SulfoxÂimines: A Serendipitous Story. Synlett, 2017, 28, 2525-2538.	1.0	112
45	A Convenient, Mild, and Green Synthesis of NHâ€Sulfoximines in Flow Reactors. European Journal of Organic Chemistry, 2017, 2017, 6486-6490.	1.2	40
46	Recent advances in the chemistry of metallated azetidines. Organic and Biomolecular Chemistry, 2017, 15, 34-50.	1.5	102
47	Pharmaceutical development of novel lactate-based 6-fluoro-l-DOPA formulations. European Journal of Pharmaceutical Sciences, 2017, 99, 361-368.	1.9	6
48	Contribution of microreactor technology and flow chemistry to the development of green and sustainable synthesis. Beilstein Journal of Organic Chemistry, 2017, 13, 520-542.	1.3	158
49	A direct and sustainable synthesis of tertiary butyl esters enabled by flow microreactors. Chemical Communications, 2016, 52, 9554-9557.	2.2	28
50	Transfer of Electrophilic NH Using Convenient Sources of Ammonia: Direct Synthesis of NH Sulfoximines from Sulfoxides. Angewandte Chemie - International Edition, 2016, 55, 7203-7207.	7.2	162
51	Flow microreactor synthesis of 2,2-disubstituted oxetanes via 2-phenyloxetan-2-yl lithium. Open Chemistry, 2016, 14, 377-382.	1.0	9
52	A convenient enantioselective CBS-reduction of arylketones in flow-microreactor systems. Organic and Biomolecular Chemistry, 2016, 14, 4304-4311.	1.5	26
53	Exploiting structural and conformational effects for a site-selective lithiation of azetidines. Pure and Applied Chemistry, 2016, 88, 631-648.	0.9	11
54	Flow technology for organometallic-mediated synthesis. Journal of Flow Chemistry, 2016, 6, 136-166.	1.2	54

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55	Computational NMR as Useful Tool for Predicting Structure and Stereochemistry of Fourâ€Membered Sulfur Heterocycles. European Journal of Organic Chemistry, 2016, 2016, 3252-3258.	1.2	11
56	Transfer of Electrophilic NH Using Convenient Sources of Ammonia: Direct Synthesis of NH Sulfoximines from Sulfoxides. Angewandte Chemie, 2016, 128, 7319-7323.	1.6	51
57	Enantioselective carbolithiation of S-alkenyl-N-aryl thiocarbamates: kinetic and thermodynamic control. Organic and Biomolecular Chemistry, 2015, 13, 2330-2340.	1.5	21
58	Nitrogen Stereodynamics and Complexation Phenomena as Key Factors in the Deprotonative Dynamic Resolution of Alkylideneaziridines: A Spectroscopic and Computational Study. Journal of Organic Chemistry, 2015, 80, 6411-6418.	1.7	12
59	Easy access to constrained peptidomimetics and 2,2-disubstituted azetidines by the unexpected reactivity profile of Î±-lithiated N-Boc-azetidines. Chemical Communications, 2015, 51, 15588-15591.	2.2	30
60	Regio- and Stereoselective Synthesis of Sulfur-Bearing Four-Membered Heterocycles: Direct Access to 2,4-Disubstituted Thietane 1-Oxides. Journal of Organic Chemistry, 2015, 80, 12201-12211.	1.7	21
61	External Trapping of Halomethyllithium Enabled by Flow Microreactors. Advanced Synthesis and Catalysis, 2015, 357, 21-27.	2.1	58
62	Synthesis of Functionalized Arylaziridines as Potential Antimicrobial Agents. Molecules, 2014, 19, 11505-11519.	1.7	16
63	Regio- and stereochemistry of Na-mediated reductive cleavage of alkyl aryl ethers. Tetrahedron: Asymmetry, 2014, 25, 1550-1554.	1.8	2
64	Harnessing the <i>ortho</i>â€Directing Ability of the Azetidine Ring for the Regioselective and Exhaustive Functionalization of Arenes. Chemistry - A European Journal, 2014, 20, 12190-12200.	1.7	33
65	Lithiated oxazolinyloxiranes and oxazolinylaziridines: key players in organic synthesis. Pure and Applied Chemistry, 2014, 86, 913-924.	0.9	3
66	Recent Advances in the Stereoselective Synthesis of Aziridines. Chemical Reviews, 2014, 114, 7881-7929.	23.0	395
67	Regioselective functionalization of 2-arylazetidines: evaluating the ortho-directing ability of the azetidinyl ring and the Î±-directing ability of the N-substituent. Chemical Communications, 2014, 50, 1698.	2.2	40
68	Stereocontrolled lithiation/trapping of chiral 2-alkylideneaziridines: investigation into the role of the aziridine nitrogen stereodynamics. Organic and Biomolecular Chemistry, 2014, 12, 8505-8511.	1.5	13
69	Straightforward access to 4-membered sulfurated heterocycles: introducing a strategy for the single and double functionalization of thietane 1-oxide. Organic and Biomolecular Chemistry, 2014, 12, 2180-2184.	1.5	24
70	Synthesis of 1,2,3,4â€Tetrahydroisoquinolines by Microreactorâ€Mediated Thermal Isomerization of Laterally Lithiated Arylaziridines. Chemistry - A European Journal, 2013, 19, 1872-1876.	1.7	49
71	Microreactor-Mediated Organocatalysis: Towards the Development of Sustainable Domino Reactions. Journal of Flow Chemistry, 2013, 3, 29-33.	1.2	27
72	One-pot preparation of piperazines by regioselective ring-opening of non-activated arylaziridines. Organic and Biomolecular Chemistry, 2012, 10, 1962.	1.5	13

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73	Restricted rotations and stereodynamics of aziridine-2-methanol derivatives. Tetrahedron, 2011, 67, 9382-9388.	1.0	6
74	Nitrogen Dynamics and Reactivity of Chiral Aziridines: Generation of Configurationally Stable Aziridinyllithium Compounds. Chemistry - A European Journal, 2011, 17, 4992-5003.	1.7	19
75	Terminal oxazolinyloxiranes: synthesis, reaction with amines and regioselective Î²-lithiation. Tetrahedron, 2009, 65, 8745-8755.	1.0	12
76	Lithiation of<i>N</i>-Alkyl-(<i>o</i>-tolyl)aziridine: Stereoselective Synthesis of Isochromans^{Â§}. Journal of Organic Chemistry, 2009, 74, 6319-6322.	1.7	34
77	Crystal structure of (+)-(2S,3S,1'S)-2-ethyl-N-(1-hydroxymethyl-2-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (methylpropyl)- Kristallographie - New Crystal Structures, 2008, 223, 481-482.	0.1	0
78	Crystal structure of (2R*,3R*)-3-amino-2-ethyl-N-(2-hydroxy-1,1-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (dimethylethyl)-3-p-metho Crystal Structures, 2008, 223, 483-484.	0.1	0
79	Oxazoline-mediated highly stereoselective synthesis of Î±,Î²-substituted-Î²-aminoalkanamides, potential precursors of unnatural Î²2,2,3-amino acids. Tetrahedron Letters, 2007, 48, 8651-8654.	0.7	9
80	Asymmetric synthesis of Î±,Î²-substituted Î²-aminoalkanamides and stereochemical determination. Tetrahedron Letters, 2007, 48, 8655-8658.	0.7	5
81	Stereoselective Synthesis of Novel 4,5-Epoxy-1,2-oxazin-6-ones and Î±,Î²-Epoxy-Î³-amino Acids from Î²-Lithiated Oxazolinyloxiranes and Nitrones. Organic Letters, 2006, 8, 4803-4806.	2.4	23
82	Stereoselective Synthesis of Novel 4,5-Epoxy-1,2-oxazin-6-ones and Î±,Î²-Epoxy-Î³-amino Acids from Î²-Lithiated Oxazolinyloxiranes and Nitrones. Organic Letters, 2006, 8, 6147-6147.	2.4	2
83	Oxazolinyloxiranyllithium-Mediated Synthesis of Highly Strained Heterocyclic Compounds.. ChemInform, 2004, 35, no.	0.1	0
84	Oxazolinyloxiranyllithium-Mediated Stereoselective Synthesis of Î±-Epoxy-Î²-amino Acids.. ChemInform, 2003, 34, no.	0.1	0
85	Oxazolinyloxiranyllithium-mediated synthesis of highly strained heterocyclic compounds. Tetrahedron, 2003, 59, 9713-9718.	1.0	9
86	Lithiation of optically active oxazolinyloxiranes: configurational stability. Tetrahedron, 2003, 59, 9707-9712.	1.0	15
87	Oxazolinyloxiranyllithium-Mediated Stereoselective Synthesis of Î±-Epoxy-Î²-amino Acidsâ€. Organic Letters, 2003, 5, 2723-2726.	2.4	35
88	Stereospecific Î²-Lithiation of Oxazolinyloxiranes:â€‰ Synthesis of Î±,Î²-Epoxy-Î³-butyrolactones. Organic Letters, 2002, 4, 1551-1554.	2.4	51
89	On the Addition of Lithiated 2-Alkyl- and 2-(Chloroalkyl)-4,5-dihydro-1,3-oxazoles to Nitrones â^' A Mechanistic Investigation. European Journal of Organic Chemistry, 2002, 2002, 2961-2969.	1.2	21
90	A Stereospecific Synthesis of OxazolinyloxiranesâŠ¥. Journal of Organic Chemistry, 2001, 66, 3049-3058.	1.7	40

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91	A highly stereoselective synthesis of Î±,Î²-unsaturated oxazolines. Tetrahedron Letters, 2001, 42, 9183-9186.	0.7	18
92	Lithiation of 2-(1-Chloroethyl)-2-oxazolines: Synthesis of Substituted Oxazolinyloxiranes and Oxazolinylaziridines. Synthesis, 2001, 2001, 2299-2306.	1.2	11