

# Leonardo Degennaro

## List of Publications by Year in descending order

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92  
papers

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docs citations

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times ranked

2246  
citing authors

#	ARTICLE	IF	CITATIONS
1	The synthetic versatility of fluoroiodomethane: recent applications as monofluoromethylation platform. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4669-4680.	2.8	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. <i>Chemical Communications</i> , 2022, 58, 6356-6359.	4.1	15
3	Dynamic Phenomena and Complexation Effects in the $\hat{\pm}$ -Lithiation and Asymmetric Functionalization of Azetidines. <i>Molecules</i> , 2022, 27, 2847.	3.8	4
4	N $\hat{\pm}$ -N Bond Formation Using an Iodonitrene as an Umpolung of Ammonia: Straightforward and Chemoselective Synthesis of Hydrazinium Salts. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 194-199.	4.3	18
5	Flow Technology for Telescoped Generation, Lithiation and Electrophilic (C <sub>3</sub> ) Functionalization of Highly Strained 1-Azabicyclo[1.1.0]butanes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6395-6399.	13.8	28
6	Flow Technology for Telescoped Generation, Lithiation and Electrophilic (C <sub>3</sub> ) Functionalization of Highly Strained 1-Azabicyclo[1.1.0]butanes. <i>Angewandte Chemie</i> , 2021, 133, 6465-6469.	2.0	11
7	Lithiated three-membered heterocycles as chiral nucleophiles in the enantioselective synthesis of 1-oxaspiro[2,3]hexanes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1945-1949.	2.8	3
8	Development of a Continuous Flow Synthesis of 2-Substituted Azetidines and 3-Substituted Azetidines by Using a Common Synthetic Precursor. <i>Journal of Organic Chemistry</i> , 2021, 86, 13943-13954.	3.2	20
9	Sulfinimidate Esters as an Electrophilic Sulfinimidoyl Motif Source: Synthesis of <i>N</i> -Protected Sulfilimines from Grignard Reagents. <i>Organic Letters</i> , 2021, 23, 6850-6854.	4.6	17
10	Synthesis and Transformations of <i>N</i> -Sulfoximines. <i>Chemistry - A European Journal</i> , 2021, 27, 17293-17321.	3.3	78
11	Azetidines, Azetidines and Azetes: Monocyclic. , 2021, , 1-1.		0
12	Frontispiece: Synthesis and Transformations of <i>N</i> -Sulfoximines. <i>Chemistry - A European Journal</i> , 2021, 27, .	3.3	0
13	Continuous Flow Synthesis of Heterocycles: A Recent Update on the Flow Synthesis of Indoles. <i>Molecules</i> , 2020, 25, 3242.	3.8	27
14	Synthesis of Sulfinamidines and Sulfinimidate Esters by Transfer of Nitrogen to Sulfenamides. <i>Organic Letters</i> , 2020, 22, 7129-7134.	4.6	22
15	Synthesis of glycosyl sulfoximines by a highly chemo- and stereoselective <i>N</i> - and <i>O</i> -transfer to thioglycosides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3893-3897.	2.8	12
16	Fluoro-Substituted Methylithium Chemistry: External Quenching Method Using Flow Microreactors. <i>Angewandte Chemie</i> , 2020, 132, 11016-11020.	2.0	16
17	Fluoro-Substituted Methylithium Chemistry: External Quenching Method Using Flow Microreactors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10924-10928.	13.8	60
18	The renaissance of strained 1-azabicyclo[1.1.0]butanes as useful reagents for the synthesis of functionalized azetidines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5798-5810.	2.8	27

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19	Flow Microreactor Technology for Taming Highly Reactive Chloriodomethylithium Carbenoid: Direct and Chemoselective Synthesis of $\pm$ -Chloroaldehydes. <i>Organic Letters</i> , 2020, 22, 3623-3627.	4.6	47
20	Synthesis of Sulfonimidamides from Sulfenamides via an Alkoxy $\alpha$ -amino $\beta$ -sulfanenitrile Intermediate. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14303-14310.	13.8	57
21	Synthesis of Sulfonimidamides from Sulfenamides via an Alkoxy $\alpha$ -amino $\beta$ -sulfanenitrile Intermediate. <i>Angewandte Chemie</i> , 2019, 131, 14441-14448.	2.0	16
22	Development of a continuous flow synthesis of propranolol: tackling a competitive side reaction. <i>Journal of Flow Chemistry</i> , 2019, 9, 231-236.	1.9	7
23	A Study of Graphene-Based Copper Catalysts: Copper(I) Nanoplatelets for Batch and Continuous-Flow Applications. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3011-3018.	3.3	9
24	Stereo- and Enantioselective Addition of Organolithiums to 2-Oxazolinylazetidines as a Synthetic Route to 2-Acylazetidines. <i>Frontiers in Chemistry</i> , 2019, 7, 614.	3.6	7
25	Straightforward chemo- and stereoselective fluorocyclopropanation of allylic alcohols: exploiting the electrophilic nature of the not so elusive fluoriodomethylithium. <i>Chemical Communications</i> , 2019, 55, 8430-8433.	4.1	38
26	(S)-Ethyl 2-(tert-butoxycarbonylamino)-3-(2-iodo-4,5-methylenedioxyphenyl)propanoate. <i>MolBank</i> , 2019, 2019, M1049.	0.5	0
27	Benchmarking Acidic and Basic Catalysis for a Robust Production of Biofuel from Waste Cooking Oil. <i>Catalysts</i> , 2019, 9, 1050.	3.5	7
28	Modular and Chemoselective Strategy for the Direct Access to $\pm$ -Fluoroepoxides and Aziridines via the Addition of Fluoriodomethylithium to Carbonyl-Like Compounds. <i>Organic Letters</i> , 2019, 21, 584-588.	4.6	65
29	Titanium Dioxide as a Catalyst in Biodiesel Production. <i>Catalysts</i> , 2019, 9, 75.	3.5	65
30	Highly Chemoselective NH- and O-Transfer to Thiols Using Hypervalent Iodine Reagents: Synthesis of Sulfonimidates and Sulfenamides. <i>Organic Letters</i> , 2018, 20, 2599-2602.	4.6	50
31	Targeting a Mirabegron precursor by BH <sub>3</sub> -mediated continuous flow reduction process. <i>Catalysis Today</i> , 2018, 308, 81-85.	4.4	3
32	1,3-Dibromo-1,1-difluoro-2-propanone as a Useful Synthone for a Chemoselective Preparation of 4-Bromodifluoromethyl Thiadiazoles. <i>ACS Omega</i> , 2018, 3, 14841-14848.	3.5	8
33	Sequential $\pm$ -lithiation and aerobic oxidation of an arylacetic acid - continuous-flow synthesis of cyclopentyl mandelic acid. <i>Journal of Flow Chemistry</i> , 2018, 8, 109-116.	1.9	12
34	Azetidine-Borane Complexes: Synthesis, Reactivity, and Stereoselective Functionalization. <i>Journal of Organic Chemistry</i> , 2018, 83, 10221-10230.	3.2	18
35	Use of Hypervalent Iodine in the Synthesis of Isomeric Dihydrooxazoles. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 428-436.	1.2	6
36	Use of azetidine scaffolds in stereoselective transformations (microreview). <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 400-402.	1.2	6

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37	A Practical <sup>11</sup> B NMR Evaluation of BH <sub>3</sub> Titer in Commercial Solutions. <i>Synthesis</i> , 2017, 49, 1969-1971.	2.3	2
38	2-Arylazetidines as ligands for nicotinic acetylcholine receptors. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 329-334.	1.2	5
39	Chiral Switchable Catalysts for Dynamic Control of Enantioselectivity. <i>ACS Catalysis</i> , 2017, 7, 4100-4114.	11.2	58
40	Functionalization of four-membered cyclic sulfoximines by a convenient lithiation/trapping sequence. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 322-328.	1.2	7
41	Synthesis of NH-sulfoximines from sulfides by chemoselective one-pot N- and O-transfers. <i>Chemical Communications</i> , 2017, 53, 348-351.	4.1	136
42	A greener and efficient access to substituted four- and six-membered sulfur-bearing heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5000-5015.	2.8	21
43	Exploiting a "Beast" in Carbenoid Chemistry: Development of a Straightforward Direct Nucleophilic Fluoromethylation Strategy. <i>Journal of the American Chemical Society</i> , 2017, 139, 13648-13651.	13.7	104
44	Straightforward Strategies for the Preparation of NH-Sulfoximines: A Serendipitous Story. <i>Synlett</i> , 2017, 28, 2525-2538.	1.8	112
45	A Convenient, Mild, and Green Synthesis of NH-Sulfoximines in Flow Reactors. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6486-6490.	2.4	40
46	Recent advances in the chemistry of metallated azetidines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 34-50.	2.8	102
47	Pharmaceutical development of novel lactate-based 6-fluoro-L-DOPA formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 361-368.	4.0	6
48	Contribution of microreactor technology and flow chemistry to the development of green and sustainable synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 520-542.	2.2	158
49	A direct and sustainable synthesis of tertiary butyl esters enabled by flow microreactors. <i>Chemical Communications</i> , 2016, 52, 9554-9557.	4.1	28
50	Transfer of Electrophilic NH Using Convenient Sources of Ammonia: Direct Synthesis of NH Sulfoximines from Sulfoxides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7203-7207.	13.8	162
51	Flow microreactor synthesis of 2,2-disubstituted oxetanes via 2-phenyloxetan-2-yl lithium. <i>Open Chemistry</i> , 2016, 14, 377-382.	1.9	9
52	A convenient enantioselective CBS-reduction of arylketones in flow-microreactor systems. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4304-4311.	2.8	26
53	Exploiting structural and conformational effects for a site-selective lithiation of azetidines. <i>Pure and Applied Chemistry</i> , 2016, 88, 631-648.	1.9	11
54	Flow technology for organometallic-mediated synthesis. <i>Journal of Flow Chemistry</i> , 2016, 6, 136-166.	1.9	54

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55	Computational NMR as Useful Tool for Predicting Structure and Stereochemistry of Four-Membered Sulfur Heterocycles. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3252-3258.	2.4	11
56	Transfer of Electrophilic NH Using Convenient Sources of Ammonia: Direct Synthesis of NH Sulfoximines from Sulfoxides. <i>Angewandte Chemie</i> , 2016, 128, 7319-7323.	2.0	51
57	Enantioselective carbolithiation of S-alkenyl-N-aryl thiocarbamates: kinetic and thermodynamic control. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2330-2340.	2.8	21
58	Nitrogen Stereodynamics and Complexation Phenomena as Key Factors in the Deprotonative Dynamic Resolution of Alkylideneaziridines: A Spectroscopic and Computational Study. <i>Journal of Organic Chemistry</i> , 2015, 80, 6411-6418.	3.2	12
59	Easy access to constrained peptidomimetics and 2,2-disubstituted azetidines by the unexpected reactivity profile of $\beta$ -lithiated N-Boc-azetidines. <i>Chemical Communications</i> , 2015, 51, 15588-15591.	4.1	30
60	Regio- and Stereoselective Synthesis of Sulfur-Bearing Four-Membered Heterocycles: Direct Access to 2,4-Disubstituted Thietane 1-Oxides. <i>Journal of Organic Chemistry</i> , 2015, 80, 12201-12211.	3.2	21
61	External Trapping of Halomethylithium Enabled by Flow Microreactors. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 21-27.	4.3	58
62	Synthesis of Functionalized Arylaziridines as Potential Antimicrobial Agents. <i>Molecules</i> , 2014, 19, 11505-11519.	3.8	16
63	Regio- and stereochemistry of Na-mediated reductive cleavage of alkyl aryl ethers. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1550-1554.	1.8	2
64	Harnessing the <i>ortho</i> -Directing Ability of the Azetidine Ring for the Regioselective and Exhaustive Functionalization of Arenes. <i>Chemistry - A European Journal</i> , 2014, 20, 12190-12200.	3.3	33
65	Lithiated oxazolinyloxiranes and oxazolinylaziridines: key players in organic synthesis. <i>Pure and Applied Chemistry</i> , 2014, 86, 913-924.	1.9	3
66	Recent Advances in the Stereoselective Synthesis of Aziridines. <i>Chemical Reviews</i> , 2014, 114, 7881-7929.	47.7	395
67	Regioselective functionalization of 2-arylazetidines: evaluating the <i>ortho</i> -directing ability of the azetidiny ring and the $\beta$ -directing ability of the N-substituent. <i>Chemical Communications</i> , 2014, 50, 1698.	4.1	40
68	Stereocontrolled lithiation/trapping of chiral 2-alkylideneaziridines: investigation into the role of the aziridine nitrogen stereodynamics. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8505-8511.	2.8	13
69	Straightforward access to 4-membered sulfurated heterocycles: introducing a strategy for the single and double functionalization of thietane 1-oxide. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2180-2184.	2.8	24
70	Synthesis of 1,2,3,4-Tetrahydroisoquinolines by Microreactor-Mediated Thermal Isomerization of Laterally Lithiated Arylaziridines. <i>Chemistry - A European Journal</i> , 2013, 19, 1872-1876.	3.3	49
71	Microreactor-Mediated Organocatalysis: Towards the Development of Sustainable Domino Reactions. <i>Journal of Flow Chemistry</i> , 2013, 3, 29-33.	1.9	27
72	One-pot preparation of piperazines by regioselective ring-opening of non-activated arylaziridines. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1962.	2.8	13

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73	Restricted rotations and stereodynamics of aziridine-2-methanol derivatives. <i>Tetrahedron</i> , 2011, 67, 9382-9388.	1.9	6
74	Nitrogen Dynamics and Reactivity of Chiral Aziridines: Generation of Configurationally Stable Aziridinylithium Compounds. <i>Chemistry - A European Journal</i> , 2011, 17, 4992-5003.	3.3	19
75	Terminal oxazolinylloxiranes: synthesis, reaction with amines and regioselective $\hat{I}^2$ -lithiation. <i>Tetrahedron</i> , 2009, 65, 8745-8755.	1.9	12
76	Lithiation of <i>N</i> -Alkyl-( <i>o</i> -tolyl)aziridine: Stereoselective Synthesis of Isochromans. <i>Journal of Organic Chemistry</i> , 2009, 74, 6319-6322.	3.2	34
77	Crystal structure of (+)-(2 <i>S</i> ,3 <i>S</i> ,1' <i>S</i> )-2-ethyl- <i>N</i> -(1-hydroxymethyl-2- <i>Tj</i> ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (methylpropyl)- <i>Kristallografie - New Crystal Structures</i> , 2008, 223, 481-482.	0.3	0
78	Crystal structure of (2 <i>R</i> *,3 <i>R</i> *)-3-amino-2-ethyl- <i>N</i> -(2-hydroxy-1,1- <i>Tj</i> ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (dimethylethyl)-3- <i>p</i> -methoxy)- <i>Kristallografie - New Crystal Structures</i> , 2008, 223, 483-484.	0.3	0
79	Oxazoline-mediated highly stereoselective synthesis of $\hat{I}^{\pm}$ , $\hat{I}^2$ -substituted $\hat{I}^2$ -aminoalkanamides, potential precursors of unnatural $\hat{I}^2$ ,2,3-amino acids. <i>Tetrahedron Letters</i> , 2007, 48, 8651-8654.	1.4	9
80	Asymmetric synthesis of $\hat{I}^{\pm}$ , $\hat{I}^2$ -substituted $\hat{I}^2$ -aminoalkanamides and stereochemical determination. <i>Tetrahedron Letters</i> , 2007, 48, 8655-8658.	1.4	5
81	Stereoselective Synthesis of Novel 4,5-Epoxy-1,2-oxazin-6-ones and $\hat{I}^{\pm}$ , $\hat{I}^2$ -Epoxy- $\hat{I}^3$ -amino Acids from $\hat{I}^2$ -Lithiated Oxazolinylloxiranes and Nitrones. <i>Organic Letters</i> , 2006, 8, 4803-4806.	4.6	23
82	Stereoselective Synthesis of Novel 4,5-Epoxy-1,2-oxazin-6-ones and $\hat{I}^{\pm}$ , $\hat{I}^2$ -Epoxy- $\hat{I}^3$ -amino Acids from $\hat{I}^2$ -Lithiated Oxazolinylloxiranes and Nitrones. <i>Organic Letters</i> , 2006, 8, 6147-6147.	4.6	2
83	Oxazolinylloxiranylithium-Mediated Synthesis of Highly Strained Heterocyclic Compounds.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
84	Oxazolinylloxiranylithium-Mediated Stereoselective Synthesis of $\hat{I}^{\pm}$ -Epoxy- $\hat{I}^2$ -amino Acids.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
85	Oxazolinylloxiranylithium-mediated synthesis of highly strained heterocyclic compounds. <i>Tetrahedron</i> , 2003, 59, 9713-9718.	1.9	9
86	Lithiation of optically active oxazolinylloxiranes: configurational stability. <i>Tetrahedron</i> , 2003, 59, 9707-9712.	1.9	15
87	Oxazolinylloxiranylithium-Mediated Stereoselective Synthesis of $\hat{I}^{\pm}$ -Epoxy- $\hat{I}^2$ -amino Acids. <i>Organic Letters</i> , 2003, 5, 2723-2726.	4.6	35
88	Stereospecific $\hat{I}^2$ -Lithiation of Oxazolinylloxiranes: Synthesis of $\hat{I}^{\pm}$ , $\hat{I}^2$ -Epoxy- $\hat{I}^3$ -butyrolactones. <i>Organic Letters</i> , 2002, 4, 1551-1554.	4.6	51
89	On the Addition of Lithiated 2-Alkyl- and 2-(Chloroalkyl)-4,5-dihydro-1,3-oxazoles to Nitrones. A Mechanistic Investigation. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2961-2969.	2.4	21
90	A Stereospecific Synthesis of Oxazolinylloxiranes. <i>Journal of Organic Chemistry</i> , 2001, 66, 3049-3058.	3.2	40

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91	A highly stereoselective synthesis of $\hat{1}\pm, \hat{1}^2$ -unsaturated oxazolines. Tetrahedron Letters, 2001, 42, 9183-9186.	1.4	18
92	Lithiation of 2-(1-Chloroethyl)-2-oxazolines: Synthesis of Substituted Oxazolinylloxiranes and Oxazolinylaziridines. Synthesis, 2001, 2001, 2299-2306.	2.3	11