

Lidia De Luca

List of Publications by Year in descending order

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76
papers

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citations

147801

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times ranked

3701
citing authors

#	ARTICLE	IF	CITATIONS
1	Beckmann Rearrangement of Oximes under Very Mild Conditions. <i>Journal of Organic Chemistry</i> , 2002, 67, 6272-6274.	3.2	228
2	A Very Mild and Chemoselective Oxidation of Alcohols to Carbonyl Compounds. <i>Organic Letters</i> , 2001, 3, 3041-3043.	4.6	213
3	Metal-Mediated and Metal-Catalyzed Reactions Under Mechanochemical Conditions. <i>ACS Catalysis</i> , 2020, 10, 8344-8394.	11.2	188
4	Naturally occurring and synthetic imidazoles: their chemistry and their biological activities. <i>Current Medicinal Chemistry</i> , 2006, 13, 1-23.	2.4	178
5	Trichloroisocyanuric/TEMPO Oxidation of Alcohols under Mild Conditions: A Close Investigation. <i>Journal of Organic Chemistry</i> , 2003, 68, 4999-5001.	3.2	137
6	An Easy and Convenient Synthesis of Weinreb Amides and Hydroxamates. <i>Journal of Organic Chemistry</i> , 2001, 66, 2534-2537.	3.2	122
7	An Efficient Route to Alkyl Chlorides from Alcohols Using the Complex TCT/DMF. <i>Organic Letters</i> , 2002, 4, 553-555.	4.6	119
8	Some Recent Approaches to the Synthesis of 2-Substituted Benzofurans. <i>Current Medicinal Chemistry</i> , 2009, 16, 1-20.	2.4	108
9	One-Pot Synthesis of Amides from Aldehydes and Amines <i>via</i> C-H Bond Activation. <i>Organic Letters</i> , 2012, 14, 5014-5017.	4.6	106
10	A Mild and Efficient Alternative to the Classical Swern Oxidation. <i>Journal of Organic Chemistry</i> , 2001, 66, 7907-7909.	3.2	99
11	[1,3,5]-Triazine: A Versatile Heterocycle in Current Applications of Organic Chemistry. <i>Current Organic Chemistry</i> , 2004, 8, 1497-1519.	1.6	99
12	Formic Acid: A Promising Bio-Renewable Feedstock for Fine Chemicals. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3180-3186.	4.3	84
13	From Alcohols to Indoles: A Tandem Ru Catalyzed Hydrogen-Transfer Fischer Indole Synthesis. <i>Organic Letters</i> , 2012, 14, 6112-6115.	4.6	75
14	Iron-catalysed oxidative amidation of alcohols with amines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3803.	2.8	72
15	Cellulose Beads: a New Versatile Solid Support for Microwave-Assisted Synthesis. Preparation of Pyrazole and Isoxazole Libraries. <i>ACS Combinatorial Science</i> , 2003, 5, 465-471.	3.3	70
16	An Easy Microwave-Assisted Synthesis of Sulfonamides Directly from Sulfonic Acids. <i>Journal of Organic Chemistry</i> , 2008, 73, 3967-3969.	3.2	66
17	A Simple Preparation of Ketones. N-Protected α -Amino Ketones from α -Amino Acids. <i>Organic Letters</i> , 2001, 3, 1519-1521.	4.6	61
18	An Insight of the Reactions of Amines with Trichloroisocyanuric Acid. <i>Synlett</i> , 2004, 2004, 2180-2184.	1.8	60

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19	Metal-Free Direct Oxidation of Aldehydes to Esters Using TCCA. <i>Organic Letters</i> , 2015, 17, 3666-3669.	4.6	59
20	A method for generating nitrile oxides from nitroalkanes: a microwave assisted route for isoxazoles. <i>Tetrahedron</i> , 2003, 59, 5437-5440.	1.9	52
21	Trichloroisocyanuric Acid: a Versatile and Efficient Chlorinating and Oxidizing Reagent. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3544-3552.	2.4	50
22	Iron-Catalyzed Amidation of Aldehydes with N-Chloroamines. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2949-2953.	4.3	46
23	Mild and Highly Selective Formyl Protection of Primary Hydroxyl Groups. <i>Journal of Organic Chemistry</i> , 2002, 67, 5152-5155.	3.2	44
24	Microwave-Promoted Selective Mono-N-Alkylation of Anilines with Tertiary Amines by Heterogeneous Catalysis. <i>Chemistry - A European Journal</i> , 2011, 17, 82-85.	3.3	42
25	Recent developments in oxidative esterification and amidation of aldehydes. <i>Tetrahedron Letters</i> , 2016, 57, 3433-3440.	1.4	42
26	A "Catch and Release" Strategy for the Parallel Synthesis of 2,4,5-Trisubstituted Pyrimidines. <i>ACS Combinatorial Science</i> , 2004, 6, 105-111.	3.3	38
27	A Facile Approach to the Synthesis of Chiral 2-Substituted Benzofurans. <i>Journal of Organic Chemistry</i> , 2007, 72, 3955-3957.	3.2	38
28	Synthesis of α,β -Unsaturated Aldehydes Based on a One-Pot Phase-Switch Dehydrogenative Cross-Coupling of Primary Alcohols. <i>Organic Letters</i> , 2014, 16, 2586-2589.	4.6	38
29	A New Supported Reagent for the Photochemical Generation of Radicals in Solution. <i>Organic Letters</i> , 2001, 3, 855-857.	4.6	37
30	Solid-Phase Synthesis of Isoxazole-Based Amino Acids: A New Scaffold for Molecular Diversity. <i>Journal of Organic Chemistry</i> , 2001, 66, 6823-6825.	3.2	35
31	Microwave-Assisted Synthesis of Polysubstituted Benzimidazoles by Heterogeneous Pd-Catalyzed Oxidative C-H Activation of Tertiary Amines. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5791-5795.	2.4	35
32	The Mechanochemical Beckmann Rearrangement: An Eco-efficient "Cut-and-Paste" Strategy to Design the "Good Old Amide Bond". <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2100-2114.	6.7	35
33	Metal-Free Oxidative Cross Esterification of Alcohols via Acyl Chloride Formation. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 154-158.	4.3	32
34	A copper-catalysed amidation of aldehydes via N-hydroxysuccinimide ester formation. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8241.	2.8	28
35	A Straightforward Route to Piloty's Acid Derivatives: A Class of Potential Nitroxyl-Generating Prodrugs. <i>Synlett</i> , 2009, 2009, 2149-2153.	1.8	26
36	Synthesis of Substituted Benzofurans via Microwave-Enhanced Catch and Release Strategy. <i>ACS Combinatorial Science</i> , 2008, 10, 517-520.	3.3	25

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37	An Environmentally Sustainable Mechanochemical Route to Hydroxamic Acid Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3135-3144.	4.3	25
38	Visible light-induced transformation of aldehydes to esters, carboxylic anhydrides and amides. <i>New Journal of Chemistry</i> , 2019, 43, 10711-10715.	2.8	25
39	Mechanically induced oxidation of alcohols to aldehydes and ketones in ambient air: Revisiting TEMPO-assisted oxidations. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2049-2055.	2.2	24
40	Synthesis of 1-Alkyl-4-imidazolecarboxylates: A Catch and Release Strategy. <i>ACS Combinatorial Science</i> , 2005, 7, 905-908.	3.3	23
41	A Mechanochemical-Assisted Oxidation of Amines to Carbonyl Compounds and Nitriles. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5519-5526.	2.4	23
42	A fast and efficient one-pot microwave assisted synthesis of variously di-substituted 1,2,4-oxadiazoles. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7539.	2.8	22
43	New pyrazole containing bicarboxylic \pm -amino acids: mimics of the cis amide bond. <i>Tetrahedron Letters</i> , 1999, 40, 8701-8704.	1.4	19
44	Palladium-Catalysed Dehydrogenative Generation of Imines from Amines. A Nature-Inspired Route to Indoles via Cross-Couplings of Amines with Arylhydrazines. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3002-3013.	4.3	19
45	Visible-Light Photoredox-Catalyzed Amidation of Benzylic Alcohols. <i>Journal of Organic Chemistry</i> , 2020, 85, 11679-11687.	3.2	19
46	Metal-Free Preparation of \pm -Chlorinated Alkylaromatic Hydrocarbons by Sunlight. <i>ChemistrySelect</i> , 2018, 3, 7991-7995.	1.5	18
47	A Mild and Inexpensive Procedure for the Synthesis of N,N ² -Di-Boc-Protected Guanidines. <i>Synlett</i> , 2009, 2009, 3368-3372.	1.8	17
48	Microwave-Assisted Synthesis of N-Monosubstituted Urea Derivatives. <i>Synlett</i> , 2010, 2010, 2439-2442.	1.8	17
49	Ball-milling and cheap reagents breathe green life into the one hundred-year-old Hofmann reaction. <i>Organic Chemistry Frontiers</i> , 2018, 5, 531-538.	4.5	17
50	One-Pot Synthesis of Hydroxamic Acids from Aldehydes and Hydroxylamine. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2709-2713.	4.3	16
51	A Mild and Efficient Synthesis of Substituted Quinolines via a Cross-Dehydrogenative Coupling of (Bio)available Alcohols and Aminoarenes. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 576-582.	4.3	16
52	Metal-free mechanochemical oxidations in Ertalyte [®] jars. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1786-1794.	2.2	16
53	Anhydrides from aldehydes or alcohols via oxidative cross-coupling. <i>New Journal of Chemistry</i> , 2017, 41, 931-939.	2.8	14
54	New Pentamidine Analogues in Medicinal Chemistry. <i>Current Medicinal Chemistry</i> , 2012, 19, 5819-5836.	2.4	13

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55	A telescopic one-pot synthesis of β -lactam rings using amines as a convenient source of imines. RSC Advances, 2016, 6, 38553-38557.	3.6	13
56	Synthesis of Optically Active β -Amino Acids Containing Pyrazolyl Ring as Substituent. Synthesis, 2000, 2000, 1295-1298.	2.3	12
57	From Lossen Transposition to Solventless "Medicinal Mechanochemistry". ACS Sustainable Chemistry and Engineering, 0, , .	6.7	12
58	A Simple Protocol for Efficient N-Chlorination of Amides and Carbamates. Synlett, 2005, 2005, 223-226.	1.8	11
59	A two-step tandem reaction to prepare hydroxamic acids directly from alcohols. Organic and Biomolecular Chemistry, 2014, 12, 4582.	2.8	10
60	A New, Simple Procedure for the Synthesis of Formyl Amides. Synlett, 2004, 2004, 2570-2572.	1.8	9
61	Preparation of pyrazole and isoxazole libraries on cellulose beads: a new cheap and versatile biopolymer. Comptes Rendus Chimie, 2003, 6, 607-611.	0.5	8
62	A Mild Procedure for the Preparation of 3-Aryl-4-formylpyrazoles. Synlett, 2004, 2004, 2299-2302.	1.8	8
63	"Quick and click" assembly of functionalised indole rings via metal-promoted cyclative tandem reactions. RSC Advances, 2014, 4, 59297-59301.	3.6	6
64	Metal-free oxidative self-coupling of aldehydes or alcohols to symmetric carboxylic anhydrides. Tetrahedron Letters, 2017, 58, 2533-2536.	1.4	5
65	Synthesis of Nitric Oxide Donors Derived from Pilocyptin's Acid and Study of Their Effects on Dopamine Secretion from PC12 Cells. Pharmaceuticals, 2017, 10, 74.	3.8	5
66	Diels-Alder Cycloaddition of Tetraphenylcyclopentadienone and 1,3,5-Hexatriynes. European Journal of Organic Chemistry, 2016, 2016, 2274-2283.	2.4	4
67	Ammonium Salts Catalyzed Acetalization Reactions in Green Ethereal Solvents. Catalysts, 2020, 10, 1108.	3.5	4
68	Nenitzescu Synthesis of 5-Hydroxyindoles with Zinc, Iron and Magnesium Salts in Cyclopentyl Methyl Ether. European Journal of Organic Chemistry, 2021, 2021, 5835.	2.4	3
69	A Chemoselective, Easy Bromination of (Hydroxymethyl)phenols. Synthesis, 2008, 2008, 3937-3940.	2.3	2
70	Comparative Evaluation of Graphene Nanostructures in GERS Platforms for Pesticide Detection. ACS Omega, 2022, 7, 5670-5678.	3.5	2
71	Mild and Highly Selective Formyl Protection of Primary Hydroxyl Groups.. ChemInform, 2003, 34, no.	0.0	0
72	Beckmann Rearrangement of Oximes under Very Mild Conditions.. ChemInform, 2003, 34, no.	0.0	0

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73	Trichloroisocyanuric Acid/TEMPO Oxidation of Alcohols under Mild Conditions: A Close Investigation.. ChemInform, 2003, 34, no.	0.0	0
74	A Method for Generating Nitrile Oxides from Nitroalkanes: A Microwave Assisted Route for Isoxazoles.. ChemInform, 2003, 34, no.	0.0	0
75	An Insight of the Reactions of Amines with Trichloroisocyanuric Acid.. ChemInform, 2005, 36, no.	0.0	0
76	Front Cover: A Mechanochemical-Assisted Oxidation of Amines to Carbonyl Compounds and Nitriles (Eur. J. Org. Chem. 37/2017). European Journal of Organic Chemistry, 2017, 2017, 5421-5421.	2.4	0