Marco Lombardo

List of Publications by Year
in descending order

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111	2,674	159585	233421
papers	citations	30	45
		h-index	g-index

143	143	143	2656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermochemiluminescenceâ€Based Sensitive Probes: Synthesis and Photophysical Characterization of Acridineâ€Containing 1,2â€Dioxetanes Focusing on Fluorophore Pushâ€Pull Effects. ChemPhotoChem, 2022, 6, .	3.0	2
2	Allenamides Playing Domino: A Redoxâ€Neutral Photocatalytic Synthesis of Functionalized 2â€Aminofurans. Advanced Synthesis and Catalysis, 2022, 364, 362-371.	4.3	7
3	Chemodivergent Photocatalytic Synthesis of Dihydrofurans and Î²,Î³â€Unsaturated Ketones. Advanced Synthesis and Catalysis, 2021, 363, 3267-3282.	4.3	13
4	Multidecagram Scale Synthesis of an Endoperoxide, Precursor of Anti-malarial and Anti-leishmanial Agents, via Free-Radical [2 + 2 + 2] Annulation with Molecular Oxygen. Organic Process Research and Development, 2021, 25, 2718-2729.	2.7	2
5	Evaluation of the Pharmacophoric Role of the Oâ€“O Bond in Synthetic Antileishmanial Compounds: Comparison between 1,2-Dioxanes and Tetrahydropyrans. Journal of Medicinal Chemistry, 2020, 63, 13140-13158.	6.4	12
6	A supramolecular bifunctional iridium photoaminocatalyst for the enantioselective alkylation of aldehydes. Dalton Transactions, 2020, 49, 14497-14505.	3.3	4
7	Unlocking Access to Enantiopure Fused Uracils by Chemodivergent [4+2] Crossâ€Cycloadditions: DFTâ€Supported Homoâ€Synergistic Organocatalytic Approach. Angewandte Chemie - International Edition, 2020, 59, 20055-20064.	13.8	12
8	Unlocking Access to Enantiopure Fused Uracils by Chemodivergent [4+2] Crossâ€Cycloadditions: DFTâ€Supported Homoâ€Synergistic Organocatalytic Approach. Angewandte Chemie, 2020, 132, 20230-20239.	2.0	5
9	A Simple and Efficient Protocol for Proline-Catalysed Asymmetric Aldol Reaction. Catalysts, 2020, 10, 649.	3.5	12
10	Analysis of Intracellular Magnesium and Mineral Depositions during Osteogenic Commitment of 3D Cultured Saos2 Cells. International Journal of Molecular Sciences, 2020, 21, 2368.	4.1	16
11	Redoxâ€Neutral Metalâ€Free Threeâ€Component Carbonylative Dearomatization of Pyridine Derivatives with CO₂. Chemistry - A European Journal, 2019, 25, 15272-15276.	3.3	9
12	Evaluation of synthetic substituted 1,2-dioxanes as novel agents against human leishmaniasis. European Journal of Medicinal Chemistry, 2019, 170, 126-140.	5.5	10
13	A Recyclable Chiral 2â€(Triphenylmethyl)pyrrolidine Organocatalyst Anchored to [60]Fullerene. Advanced Synthesis and Catalysis, 2019, 361, 2936-2944.	4.3	12
14	A simple smartphone-based thermochemiluminescent immunosensor for valproic acid detection using 1,2-dioxetane analogue-doped nanoparticles as a label. Sensors and Actuators B: Chemical, 2019, 279, 327-333.	7.8	37
15	Non-enzymatic portable optical sensors for microcystin-LR. Chemical Communications, 2018, 54, 2747-2750.	4.1	15
16	Single cell versus large population analysis: cell variability in elemental intracellular concentration and distribution. Analytical and Bioanalytical Chemistry, 2018, 410, 337-348.	3.7	17
17	Thermochemiluminescent semiconducting polymer dots as sensitive nanoprobes for reagentless immunoassay. Nanoscale, 2018, 10, 14012-14021.	5.6	13
18	A Fluorescent Sensor Array Based on Heteroatomic Macrocyclic Fluorophores for the Detection of Polluting Species in Natural Water Samples. Frontiers in Chemistry, 2018, 6, 258.	3.6	23

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19	(E)â€3â€(Alkoxycarbonylâ€2â€Alkyliden)â€2â€Oxindoles: Multidentate Pronucleophiles for the Organocatalytic, Vinylogous Michael Addition to Nitroolefins. Advanced Synthesis and Catalysis, 2018, 360, 711-721.	4.3	13
20	Synthesis of a highly Mg2+-selective fluorescent probe and its application to quantifying and imaging total intracellular magnesium. Nature Protocols, 2017, 12, 461-471.	12.0	43
21	The interaction of heme with plakortin and a synthetic endoperoxide analogue: new insights into the heme-activated antimalarial mechanism. Scientific Reports, 2017, 7, 45485.	3.3	13
22	Systematic approach in Mg2+ ions analysis with a combination of tailored fluorophore design. Analytica Chimica Acta, 2017, 988, 96-103.	5.4	16
23	The Organocatalytic Î±â€Fluorination of Chiral Î³â€Nitroaldehydes: the Challenge of Facing the Construction of a Quaternary Fluorinated Stereocenter. European Journal of Organic Chemistry, 2016, 2016, 3223-3232.	2.4	13
24	Repeatability and reproducibility of intracellular molar concentration assessed by synchrotron-based x-ray fluorescence microscopy. AIP Conference Proceedings, 2016, , .	0.4	1
25	The First Enantioselective Organocatalytic Synthesis of 3â€Spiroâ€Î±â€Alkylideneâ€Î³â€Butyrolactone Oxindoles. Chemistry - A European Journal, 2016, 22, 3865-3872.	3.3	36
26	New isoxazolidinone and 3,4-dehydro-Î²-proline derivatives as antibacterial agents and MAO-inhibitors: A complex balance between two activities. European Journal of Medicinal Chemistry, 2016, 124, 906-919.	5.5	20
27	Synthesis of 1,2â€Dioxetanes as Thermochemiluminescent Labels for Ultrasensitive Bioassays: Rational Prediction of Olefin Photooxygenation Outcome by Using a Chemometric Approach. Chemistry - A European Journal, 2016, 22, 18156-18168.	3.3	30
28	Highly Stereoselective [4+2] and [3+2] Spiroannulations of 2â€(2â€Oxoindolinâ€3â€ylidene)acetic Esters Catalyzed by Bifunctional Thioureas. Chemistry - A European Journal, 2015, 21, 11038-11049.	3.3	43
29	<scp>d</scp>-Glucose-Derived 1,2,4-Trioxepanes: Synthesis, Conformational Study, and Antimalarial Activity. Organic Letters, 2015, 17, 4074-4077.	4.6	13
30	Organically modified silica nanoparticles doped with new acridine-1,2-dioxetane analogues as thermochemiluminescence reagentless labels for ultrasensitive immunoassays. Analytical and Bioanalytical Chemistry, 2015, 407, 1567-1576.	3.7	27
31	New antimalarial 3-methoxy-1,2-dioxanes: optimization of cellular pharmacokinetics and pharmacodynamics properties by incorporation of amino and N-heterocyclic moieties at C4. RSC Advances, 2015, 5, 72995-73010.	3.6	12
32	Properties and Reactivity of Conformationally Constrained Bicyclic Diarylprolinol Silyl Ethers as Organocatalysts. European Journal of Organic Chemistry, 2014, 2014, 5946-5953.	2.4	6
33	A novel fluorescent chemosensor allows the assessment of intracellular total magnesium in small samples. Analyst, The, 2014, 139, 1201-1207.	3.5	24
34	Optimized Synthesis and Antimalarial Activity of 1,2â€Dioxaneâ€4â€carboxamides. European Journal of Organic Chemistry, 2014, 2014, 1607-1614.	2.4	15
35	Quantitative Chemical Imaging of the Intracellular Spatial Distribution of Fundamental Elements and Light Metals in Single Cells. Analytical Chemistry, 2014, 86, 5108-5115.	6.5	32
36	Electrosteric Activation by using Ionâ€Tagged Prolines: A Combined Experimental and Computational Investigation. ChemCatChem, 2013, 5, 2913-2924.	3.7	9

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37	Preparation and Characterization of Thermochemiluminescent Acridine-Containing 1,2-Dioxetanes as Promising Ultrasensitive Labels in Bioanalysis. Journal of Organic Chemistry, 2013, 78, 11238-11246.	3.2	24
38	Organocatalytic Conjugate Addition of Nitroalkanes to 3-Ylidene Oxindoles: A Stereocontrolled Diversity Oriented Route to Oxindole Derivatives. Journal of Organic Chemistry, 2013, 78, 12049-12064.	3.2	35
39	Further optimization of plakortin pharmacophore: Structurally simple 4-oxymethyl-1,2-dioxanes with promising antimalarial activity. European Journal of Medicinal Chemistry, 2013, 70, 875-886.	5.5	12
40	A New Henry/Michael/Retroâ€Henry/Henry Domino Sequence Promoted by Bifunctional Organocatalysts. Advanced Synthesis and Catalysis, 2013, 355, 938-946.	4.3	31
41	Expanding the targets of the diaza-18-crown-6 hydroxyquinoline derivatives family to Zn(II) ions for intracellular sensing. Supramolecular Chemistry, 2013, 25, 7-15.	1.2	7
42	A New Family of Conformationally Constrained Bicyclic Diarylprolinol Silyl Ethers as Organocatalysts. Advanced Synthesis and Catalysis, 2012, 354, 3428-3434.	4.3	15
43	Diaza-18-crown-6 hydroxyquinoline derivatives as flexible tools for the assessment and imaging of total intracellular magnesium. Chemical Science, 2012, 3, 727-734.	7.4	25
44	Dioxetane-Doped Silica Nanoparticles as Ultrasensitive Reagentless Thermochemiluminescent Labels for Bioanalytics. Analytical Chemistry, 2012, 84, 9913-9919.	6.5	27
45	A Liquidâ€“Liquid Biphasic Homogeneous Organocatalytic Aldol Protocol Based on the Use of a Silica Gel Bound Multilayered Ionic Liquid Phase. ChemCatChem, 2012, 4, 1000-1006.	3.7	42
46	Enantioselective Conjugate Addition of Nitroalkanes to Alkylidenemalonates Promoted by Thioureaâ€Based Bifunctional Organocatalysts. Advanced Synthesis and Catalysis, 2012, 354, 364-370.	4.3	26
47	Cross-Coupling of 5,11-Dibromotetracene Catalyzed by a Triethylammonium Ion Tagged Diphenylphosphine Palladium Complex in Ionic Liquids. Organometallics, 2011, 30, 4325-4329.	2.3	17
48	A New Class of Antimalarial Dioxanes Obtained through a Simple Two-Step Synthetic Approach: Rational Design and Structureâ€“Activity Relationship Studies. Journal of Medicinal Chemistry, 2011, 54, 8526-8540.	6.4	17
49	A New Robust and Efficient Ionâ€Tagged Proline Catalyst Carrying an Amide Spacer for the Asymmetric Aldol Reaction. Advanced Synthesis and Catalysis, 2011, 353, 3234-3240.	4.3	27
50	Ionic Tags in Catalyst Optimization: Beyond Catalyst Recycling. ChemCatChem, 2010, 2, 135-145.	3.7	55
51	Multiphase Homogeneous Catalysis: Common Procedures and Recent Applications. Synlett, 2010, 2010, 1746-1765.	1.8	26
52	Microwave Assisted Synthesis of a Small Library of SubstitutedN,Nâ€²-Bis((8-hydroxy-7-quinolinyl)methyl)-1,10-diaza-18-crown-6 Ethers. Journal of Organic Chemistry, 2010, 75, 6275-6278.	3.2	23
53	Catalysis in aqueous media for the synthesis of drug-like molecules. Current Opinion in Drug Discovery & Development, 2010, 13, 717-32.	1.9	0
54	The Ion Tag Strategy as a Route to Highly Efficient Organocatalysts for the Direct Asymmetric Aldol Reaction. Advanced Synthesis and Catalysis, 2009, 351, 276-282.	4.3	100

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55	Highly Efficient Ionâ€Tagged Catalyst for the Enantioselective Michael Addition of Aldehydes to Nitroalkenes. Advanced Synthesis and Catalysis, 2009, 351, 2801-2806.	4.3	64
56	Stereo-controlled approach to pyrrolidine iminosugar C-glycosides and 1,4-dideoxy-1,4-imino-l-allitol using a d-mannose-derived cyclic nitrone. Tetrahedron Letters, 2009, 50, 6906-6908.	1.4	15
57	A recyclable triethylammonium ion-tagged diphenylphosphine palladium complex for the Suzukiâ€“Miyaura reaction in ionic liquids. Green Chemistry, 2009, 11, 574.	9.0	62
58	Catalysis in Non-conventional Reaction Media. RSC Green Chemistry, 2009, , 1-79.	0.1	3
59	The First Enantioselective Addition of Diethylzinc to Aldehydes in Ionic Liquids Catalysed by a Recyclable Ionâ€Tagged Diphenylprolinol. Chemistry - A European Journal, 2008, 14, 11288-11291.	3.3	36
60	Protonated arginine and lysine as catalysts for the direct asymmetric aldol reaction in ionic liquids. Tetrahedron, 2008, 64, 9203-9207.	1.9	53
61	A modular approach to catalyst hydrophobicity for an asymmetric aldol reaction in a biphasic aqueous environment. Organic and Biomolecular Chemistry, 2008, 6, 4224.	2.8	53
62	3-Bromozinc Propenyl Esters:â€‰ An Experimental and Theoretical Study of the Unique Stereocrossover Observed in Their Addition to Aromatic and Aliphatic Aldehydes. Journal of Organic Chemistry, 2008, 73, 418-426.	3.2	6
63	Catalysis in Ionic Liquids: A Key to Sustainable Chemistry. , 2008, , 37-78.		0
64	Direct Asymmetric Aldol Reaction Catalyzed by an Imidazolium-Tagged trans-4-Hydroxy-<scp>l</scp>-proline under Aqueous Biphasic Conditions. Synlett, 2008, 2008, 2471-2474.	1.8	54
65	An Efficient Diastereoselective Route to Differentially Protectedanti-4-Amino-1-alken-3-ols. Journal of Organic Chemistry, 2007, 72, 1834-1837.	3.2	15
66	Task-specific ionic liquids as reaction media for the cobalt-catalysed cyclotrimerisation reaction of arylethynes. Green Chemistry, 2007, 9, 321.	9.0	43
67	Î±-Hydroxyallylation Reaction of Carbonyl Compounds. Chemical Reviews, 2007, 107, 3843-3879.	47.7	53
68	An Efficient Cobalt(I)-Catalysed Reformatsky Reaction using Î±-Chloro Esters. Advanced Synthesis and Catalysis, 2007, 349, 465-468.	4.3	10
69	An Improved Protocol for the Direct Asymmetric Aldol Reaction in Ionic Liquids, Catalysed by Onium Ionâ€Tagged Prolines. Advanced Synthesis and Catalysis, 2007, 349, 2061-2065.	4.3	113
70	An Efficient High-Yield Synthesis ofd-ribo-Phytosphingosineâ€. Organic Letters, 2006, 8, 3303-3305.	4.6	51
71	3-Bromopropenyl Methylcarbonate in Organic Synthesis: A Straightforward Approach to 4,5-Disubstituted 5-Vinyl-1,3-dioxolan-2-ones. European Journal of Organic Chemistry, 2006, 2006, 3061-3063.	2.4	16
72	A strikingly fast route to methylmercury acetylides as a new opportunity for monomethylmercury detection. Journal of Organometallic Chemistry, 2005, 690, 588-593.	1.8	14

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73	3-Bromo-propenyl acetate in organic synthesis: an expeditious route to 3-alkyl-4-acetoxy-5-iodomethyl isoxazolidines. Tetrahedron Letters, 2005, 46, 3789-3792.	1.4	12
74	Cobalt-Catalysed Addition of Allylidene Dipivalate to Aldehydes. A Formal Homoaldol Condensation. Advanced Synthesis and Catalysis, 2005, 347, 2015-2018.	4.3	10
75	An Environmentally Friendly ?-Hydroxyallylation Reaction of the Garner Aldehyde: A Comparative Assessment of Alternative Barbier Conditions.. ChemInform, 2005, 36, no.	0.0	0
76	3-Bromo-propenyl Acetate in Organic Synthesis: An Expeditious Route to 3-Alkyl-4-acetoxy-5-iodomethyl Isoxazolidines.. ChemInform, 2005, 36, no.	0.0	0
77	3-Bromopropenyl Methyl Carbonate: A New Reagent for the Î±-Hydroxy Allylation Reaction of Aldehydes in Water. Synthesis, 2005, 2005, 2609-2614.	2.3	7
78	Revision of stereochemical assignments of (2,2-dimethyl-5-phenyl-[1,3]dioxolan-4-yl)-methanol. Tetrahedron: Asymmetry, 2004, 15, 289-292.	1.8	5
79	An environmentally friendly Î±-hydroxyallylation reaction of the Garner aldehyde: a comparative assessment of alternative Barbier conditions. Tetrahedron, 2004, 60, 11725-11732.	1.9	38
80	3-Halopropenyl esters as precursors of a new class of oxygen-substituted allylic organometallic compounds: Applications in organic synthesis. Pure and Applied Chemistry, 2004, 76, 657-669.	1.9	13
81	The Reaction of Nitrones with Organometallic Compounds: Scope, Limitations and Synthetic Applications. ChemInform, 2003, 34, no.	0.0	0
82	3-Bromopropenyl Esters in Organic Synthesis: Indium- and Zinc-Mediated Entries to Alk-1-ene-3,4-diols.. ChemInform, 2003, 34, no.	0.0	0
83	3-Bromo-propenyl Acetate in Organic Synthesis. The Zinc-Promoted Î±-Hydroxyallylation of Ketones.. ChemInform, 2003, 34, no.	0.0	0
84	3-Chloropropenyl Pivaloate in Organic Synthesis: The First Asymmetric Catalytic Entry of syn-Alk-1-ene-3,4-diols.. ChemInform, 2003, 34, no.	0.0	0
85	Indium-mediated coupling of 3-bromopropenyl acetate with (S)-Garner aldehyde: a route to 1,4-dideoxy-1,4-l-iminoribitol. Tetrahedron Letters, 2003, 44, 9147-9149.	1.4	17
86	3-Bromo-propenyl acetate in organic synthesis. The zinc-promoted Î±-hydroxyallylation of ketones. Tetrahedron Letters, 2003, 44, 2823-2826.	1.4	23
87	3-Bromopropenyl Esters in Organic Synthesis:Â Indium- and Zinc-Mediated Entries to Alk-1-ene-3,4-diolsâ€. Journal of Organic Chemistry, 2003, 68, 997-1006.	3.2	72
88	Mercury and methylmercury contamination in surficial sediments and clams of a coastal lagoon (Pialassa Baiona, Ravenna, Italy). Continental Shelf Research, 2003, 23, 1821-1831.	1.8	51
89	3-Chloropropenyl pivaloate in organic synthesis: the first asymmetric catalytic entry to syn-alk-1-ene-3,4-diols. Chemical Communications, 2003, , 1762.	4.1	20
90	Migratory Aptitudes of Simple Alkyl Groups in the Anionotropic Rearrangement of Quaternary Chloromethyl Borate Species:Â A Combined Experimental and Theoretical Investigation. Journal of Organic Chemistry, 2003, 68, 3397-3405.	3.2	40

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91	Regio- and Stereoselective Synthesis of Homoallylic Alcohols Based on the Use of (3-Chloroprop-1-en-1-yl)boronates. European Journal of Organic Chemistry, 2002, 2002, 2823.	2.4	36
92	The Reaction of Nitrones with Organometallic Compounds: Scope, Limitations and Synthetic Applications. Current Organic Chemistry, 2002, 6, 695-713.	1.6	39
93	Entropy-Controlled Selectivity in the Vinylation of a Cyclic Chiral Nitrone. An Efficient Route to Enantiopure Polyhydroxylated Pyrrolidines. Journal of Organic Chemistry, 2001, 66, 1264-1268.	3.2	75
94	Title is missing!. Chemical Communications, 2001, , 2310-2311.	4.1	15
95	A New Protocol for the Acetoxyallylation of Aldehydes Mediated by Indium in THF. Organic Letters, 2001, 3, 2981-2983.	4.6	40
96	The Hydroboration of Propargyl Chloride: A Flexible One-pot Three-component Process Easily Directed Towards the Synthesis of (E)-Homoallylic Alcohols or anti-Homoallylic Alcohols. Synlett, 2001, 2001, 0601-0604.	1.8	6
97	Trimethylsilyltriflate-Promoted Addition of 2-Trimethylsilyloxyfuran to a Chiral Cyclic Nitrone; a Short Synthesis of [1S(1Î±,2Î²,7Î²,8Î±,8aÎ±)]-1,2-Di(t-butyldiphenylsilyloxy)-indolizidine-7,8-diol. Tetrahedron, 2000, 56, 323-326.	1.9	20
98	Nucleophilic Additions to Nitrones. Synthesis, 2000, 2000, 759-774.	2.3	120
99	The Hydroboration of Propargyl Bromide. Simple One-Pot Three-Component Routes to (Z)-1-Bromoalk-1-en-4-ols and toanti-Homoallylic Alcohols. Journal of Organic Chemistry, 2000, 65, 8767-8773.	3.2	16
100	A Route to (2Î±,3Î²,4Î±)-(Â±)-2-(Hydroxymethyl)-3,4-pyrrolidinediol Based on the Î±-Silyloxyallylation of a Glycolaldehyde-Derived Nitrone. European Journal of Organic Chemistry, 1998, 1998, 2361-2364.	2.4	12
101	Trimethylsilyl triflate promoted addition of allyltributylstannane to aldonitrones; one-pot synthesis of 5-iodomethylisoxazolidines. Tetrahedron Letters, 1998, 39, 1643-1646.	1.4	21
102	A one-pot three-component route to anti-homoallylic alcohols based on the hydroborationof propargyl bromide. Tetrahedron Letters, 1998, 39, 7571-7574.	1.4	8
103	The Lagoon of Ravenna (Italy): Characterisation of mercury-contaminated sediments1This work was presented at the Fourth International Conference on `Mercury as a Global Pollutant', Hamburg, August 4â€“8, 1996.1. Science of the Total Environment, 1998, 213, 121-128.	8.0	41
104	SYNTHESIS OF 3-O-BENZYL-3,7-IMINO-1,3,6,7-TETRADEOXY-L-MANNO-HEPTITOL AND OF 3-O-BENZYL-3,7-IMINO-1,3,6,7-TETRADEOXY-D-GLUCO-HEPTITOL. Organic Preparations and Procedures International, 1997, 29, 485-488.	1.3	5
105	Synthesis and Iodocyclization of Homoallylic Hydroxylamines. Journal of Organic Chemistry, 1997, 62, 5623-5626.	3.2	29
106	Synthesis of four stereoisomers of 5-amino-2,5-dideoxy-heptono-1,5-lactams. Tetrahedron, 1997, 53, 11721-11730.	1.9	16
107	Synthesis and Photophysical Properties of Fluorescent Derivatives of Methylmercury. Organometallics, 1996, 15, 2415-2417.	2.3	57
108	Lewis-acid promoted addition of 2-trimethylsilyloxyfuran to nitrones: Synthesis and absolute configuration of tetrahydro-2-benzyl-3-(1-benzyloxyethyl)-furo[2,3-d]isoxazol-5(2H)ones. Tetrahedron: Asymmetry, 1996, 7, 1059-1068.	1.8	28

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109	A new procedure for the speciation of mercury in water based on the transformation of mercury (II) and methylmercury (II) into stable acetylides followed by HPLC analysis. Applied Organometallic Chemistry, 1995, 9, 713-718.	3.5	17
110	The Chemistry of Zinc Enolates. , 0, , 797-861.		6
111	Diastereoselective Synthesis of Chiral Oxathiazine 2â€Oxide Scaffolds as Sulfinyl Transfer Agents. Advanced Synthesis and Catalysis, 0, , .	4.3	2