Alessandro Mordini

List of Publications by Year
in descending order

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121 papers	2,374 citations	218677 26 h-index	315739 38 g-index
138 all docs	138 docs citations	138 times ranked	2041 citing authors

#	Article	IF	Citations
1	Enantioselective Organocatalytic Conjugate Addition of Aldehydes to Nitrodienes. Organic Letters, 2008, 10, 4557-4560.	4.6	105
2	Facile isomerization of oxiranes to allyl alcohols by mixed metal bases. Tetrahedron, 1990, 46, 2401-2410.	1.9	92
3	Excited State Geometries and Vertical Emission Energies of Solvated Dyes for DSSC: A PCM/TD-DFT Benchmark Study. Journal of Chemical Theory and Computation, 2014, 10, 3925-3933.	5.3	80
4	Organic dyes with intense light absorption especially suitable for application in thin-layer dye-sensitized solar cells. Chemical Communications, 2014, 50, 13952-13955.	4.1	64
5	Synthetic Elaboration of the Side Chain of (R)-2,2-Dimethyl-3-(tert-butoxycarbonyl)-4-ethynyloxazolidine:Â A New Regio- and Stereoselective Strategy to Î´-Functionalized Î²-Amino Alcohols. Journal of Organic Chemistry, 1997, 62, 6187-6192.	3.2	54
6	Silicon-assisted synthesis of thiocarbonyl derivatives and reactivity of dienophilic thioaldehydes. Journal of Organic Chemistry, 1991, 56, 7323-7328.	3.2	50
7	A new stereoselective synthesis of chiral Î³-functionalized (E)-allylic amines. Tetrahedron, 1996, 52, 10985-10996.	1.9	49
8	Ph₂P(BH₃)Li: From Ditopicity to Dual Reactivity. Journal of the American Chemical Society, 2011, 133, 6472-6480.	13.7	48
9	Organic Chromophores Based on a Fused Bisâ€Thiazole Core and Their Application in Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2013, 2013, 1916-1928.	2.4	48
10	Photoactive Compounds Based on the Thiazolo[5,4â€d]thiazole Core and Their Application in Organic and Hybrid Photovoltaics. European Journal of Organic Chemistry, 2016, 2016, 233-251.	2.4	46
11	Bis(trimethylsilyl)sulfide based thionation of carbonyl compounds: Synthesis of thioketones.. Tetrahedron Letters, 1993, 34, 873-876.	1.4	43
12	Thiazolo[5,4-d]thiazole-based organic sensitizers with strong visible light absorption for transparent, efficient and stable dye-sensitized solar cells. RSC Advances, 2015, 5, 32657-32668.	3.6	42
13	Thiazolo[5,4-d]thiazole-based organic sensitizers with improved spectral properties for application in greenhouse-integrated dye-sensitized solar cells. Sustainable Energy and Fuels, 2020, 4, 2309-2321.	4.9	42
14	Silylcupration of (R)-2,2-Dimethyl-3-(tert-butoxycarbonyl)-4-ethynyloxazolidine:Â A Stereoselective Approach to the Synthesis of Î³-Silylated Saturated and Unsaturated Î±-Amino Acids. Journal of Organic Chemistry, 1999, 64, 9211-9216.	3.2	40
15	Dyeâ€Sensitized Heterogeneous Photocatalysts for Green Redox Reactions. European Journal of Inorganic Chemistry, 2020, 2020, 899-917.	2.0	37
16	Stannylcupration as a Highly Regio- and Stereoselective route to 2-Substituted Tributylstannyl Allylamines. Synthesis, 1991, 1991, 1201-1204.	2.3	36
17	Base-promoted elaboration of aziridines. Tetrahedron, 2002, 58, 7153-7163.	1.9	36
18	Towards Sustainable H₂ Production: Rational Design of Hydrophobic Triphenylamineâ€based Dyes for Sensitized Ethanol Photoreforming. ChemSusChem, 2018, 11, 793-805.	6.8	36

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19	Transition metal-catalyzed cross-coupling methodologies for the engineering of small molecules with applications in organic electronics and photovoltaics. Coordination Chemistry Reviews, 2019, 392, 177-236.	18.8	35
20	Heteroatom-Assisted Isomerization of Oxiranes to Allylic Alcohols Promoted by Bases. Journal of Organic Chemistry, 1994, 59, 4784-4790.	3.2	34
21	A Selective and General Access to Trisubstituted Oxetanes. Journal of Organic Chemistry, 1996, 61, 4466-4468.	3.2	34
22	Stannylcupration of Î³-heterosubstituted acetylenic esters: A new route to 4-stannylated five membered N- and O- heterocycles. Tetrahedron, 1995, 51, 2129-2136.	1.9	33
23	Microwave-activated synthesis of thiazolo[5,4-d]thiazoles by a condensation/oxidation sequence. RSC Advances, 2014, 4, 1322-1328.	3.6	32
24	Stereoselective Access to Hydroxy Oxetanes and Tetrahydrooxepines through Isomerization of Oxiranyl Ethers. Journal of Organic Chemistry, 2001, 66, 3201-3205.	3.2	30
25	Combining Dithienosilole-Based Organic Dyes with a Brookite/Platinum Photocatalyst toward Enhanced Visible-Light-Driven Hydrogen Production. ACS Applied Energy Materials, 2019, 2, 5600-5612.	5.1	30
26	Dâ€“Aâ€“Ï€â€“A organic dyes with tailored green light absorption for potential application in greenhouse-integrated dye-sensitized solar cells. Sustainable Energy and Fuels, 2021, 5, 1171-1183.	4.9	28
27	A simple regio- and stereocontrolled synthesis of Î±-branched allylsilanes.. Tetrahedron Letters, 1988, 29, 4991-4994.	1.4	27
28	A comparison of carboxypyridine isomers as sensitizers for dye-sensitized solar cells: assessment of device efficiency and stability. Tetrahedron, 2014, 70, 6285-6295.	1.9	27
29	Green/Yellowâ€Emitting Conjugated Heterocyclic Fluorophores for Luminescent Solar Concentrators. European Journal of Organic Chemistry, 2018, 2018, 2657-2666.	2.4	27
30	C-centred optically active organosilanes,2. Application to enantioselective allylation of carbonyl compounds.. Tetrahedron Letters, 1987, 28, 969-972.	1.4	26
31	Allylsilanes derived from aminoacids in the synthesis of piperidine and pyrrolidins derivatives. Tetrahedron Letters, 1993, 34, 1355-1358.	1.4	26
32	Stereoselective Synthesis of (R)-(âˆ’)-2,2-Dimethyl-3-t-butoxycarbonyl-4-ethynyl-oxazolidine: a Chiral Building Block for the Synthesis of a New Class of Substituted Alkynes. Tetrahedron Letters, 1995, 36, 8275-8278.	1.4	26
33	Different Pathways in the Base-Promoted Isomerization of Benzyl Oxiranyl Ethers. Journal of Organic Chemistry, 1996, 61, 4374-4378.	3.2	26
34	Useful base promoted elaborations of oxiranyl ethers. Tetrahedron, 2001, 57, 8173-8180.	1.9	26
35	An Integrated Experimental and Theoretical Approach to the Spectroscopy of Organicâ€Dyeâ€Sensitized TiO₂ Heterointerfaces: Disentangling the Effects of Aggregation, Solvation, and Surface Protonation. ChemPhysChem, 2014, 15, 1116-1125.	2.1	26
36	Fluoride ion induced reactions of organosilanes: the preparation of mono and dicarbonyl compounds from Î²-ketosilanes. Tetrahedron Letters, 1985, 26, 787-788.	1.4	25

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37	A Selective Access to Amino Hydroxy Oxetanes. Journal of Organic Chemistry, 1997, 62, 8557-8559.	3.2	24
38	3-Iodopropenoylsilane: a further step in the chemistry of unsaturated acylsilanes. Tetrahedron Letters, 1994, 35, 2081-2082.	1.4	23
39	Superbase-promoted rearrangement of oxiranes to cyclopropanes. Tetrahedron, 2005, 61, 3349-3360.	1.9	23
40	Metallocupration of Acetylenic Silyl Ketone: Synthesis and Reactivity of Polymetalated Functionalized Building Blocks. Synlett, 1992, 1992, 332-334.	1.8	22
41	Reactivity of acetylenic silyl ketones: synthesis of functionalized propenoylsilanes. Tetrahedron Letters, 1992, 33, 1507-1508.	1.4	22
42	Palladium-Catalyzed Allylic Alkylations via Titanated Nucleophiles:â€‰ A New Earlyâ^'Late Heterobimetallic System. Journal of Organic Chemistry, 1999, 64, 2962-2965.	3.2	21
43	Michael-Type Addition of Carbocuprates to Acetylenic Silyl Ketone: A New Entry to Stereodefined Polyenes. Synlett, 1992, 1992, 329-331.	1.8	20
44	Thiosilanes in Organic Synthesis: A Novel Approach to Vinyl Sulphides. Synlett, 1992, 1992, 499-501.	1.8	20
45	Tuning the Properties of Benzothiadiazole Dyes for Efficient Visible Light-Driven Photocatalytic H₂ Production under Different Conditions. ACS Applied Energy Materials, 2020, 3, 8912-8928.	5.1	20
46	Kinetic resolution of racemic alkoxy oxiranes by chiral lithium amides. Tetrahedron: Asymmetry, 1998, 9, 2293-2299.	1.8	19
47	Chiral Allylsilanes Derived from Naturally Occurring Î±-Amino Acids. Synlett, 1992, 1992, 137-138.	1.8	18
48	Azide cyclizations with acetylenic silyl ketone: a general access to functionalized-1,2,3-triazolylacylsilanes and aldehydes. Tetrahedron Letters, 1995, 36, 9031-9034.	1.4	18
49	Stannylcupration of chiral Î³-amino acetylenic esters: Stereocontrolled synthesis of 3-tributylstannyl Î³-amino (E)-alkenoates a as precursors of 4-stannylated pyrrolinones. Tetrahedron, 1998, 54, 10227-10238.	1.9	18
50	A new base promoted rearrangement of (E)-1-benzyloxy-2,3-epoxyalkanes. Tetrahedron, 1998, 54, 11597-11602.	1.9	18
51	Discovery of a New Class of Potent MMP Inhibitors by Structure-Based Optimization of the Arylsulfonamide Scaffold. ACS Medicinal Chemistry Letters, 2013, 4, 565-569.	2.8	18
52	Pyridineâ€Nâ€Oxide 2â€Carboxylic Acid: An Acceptor Group for Organic Sensitizers with Enhanced Anchoring Stability in Dyeâ€Sensitized Solar Cells. Asian Journal of Organic Chemistry, 2014, 3, 140-152.	2.7	18
53	A stereoselective approach to the synthesis of aminoalcohols. Tetrahedron Letters, 1996, 37, 5209-5212.	1.4	17
54	Combined LCA and Green Metrics Approach for the Sustainability Assessment of an Organic Dye Synthesis on Lab Scale. Frontiers in Chemistry, 2020, 8, 214.	3.6	17

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55	Benzo[1,2-d:4,5-dâ€²]bisthiazole fluorophores for luminescent solar concentrators: synthesis, optical properties and effect of the polymer matrix on the device performances. Dyes and Pigments, 2021, 188, 109207.	3.7	17
56	[3 + n] Annulation Reactions by Means of 3-Trimethylstannyl-2-[(trimethylstannyl)methyl]propene, an Isobutene Dianion Synthetic Equivalent. Synthesis, 1991, 1991, 267-269.	2.3	16
57	Base promoted isomerization of aziridinyl ethers: a new access to Î±- and Î²-amino acidsElectronic supplementary information (ESI) available: experimental procedures and NMR data. See http://www.rsc.org/suppdata/cc/b2/b200708h/.. Chemical Communications, 2002, , 778-779.	4.1	16
58	Resolution and enantioselective rearrangements of amino group-containing oxiranyl ethers. Tetrahedron: Asymmetry, 2002, 13, 59-68.	1.8	16
59	Luminescent solar concentrators with outstanding optical properties by employment of Dâ€“Aâ€“D quinoxaline fluorophores. Journal of Materials Chemistry C, 2021, 9, 15608-15621.	5.5	16
60	Synthesis and reactivity of propenoylstannanes. Tetrahedron Letters, 1991, 32, 1899-1900.	1.4	15
61	A stereoselective approach to the synthesis of Î³-silylated amino acids. Tetrahedron Letters, 1998, 39, 9545-9548.	1.4	15
62	Synthesis and Investigation of Solarâ€Cell Photosensitizers Having a Fluorazone Backbone. European Journal of Organic Chemistry, 2017, 2017, 1843-1854.	2.4	15
63	Design and synthesis of organic sensitizers with enhanced anchoring stability in dye-sensitized solar cells. Pure and Applied Chemistry, 2018, 90, 363-376.	1.9	15
64	Donorâ€Acceptorâ€Donor Thienopyrazineâ€Based Dyes as NIRâ€Emitting AIEgens. European Journal of Organic Chemistry, 2021, 2021, 2655-2664.	2.4	15
65	Stereoselective Synthesis of Polysubstituted Piperazines and Oxopiperazines. Useful Building Blocks in Medicinal Chemistry. Current Topics in Medicinal Chemistry, 2014, 14, 1308-1316.	2.1	15
66	A Direct Metalation Approach to 2-Alkylthio-2,2-Diaryl Substituted Acetic Acids. Synlett, 1996, 1996, 447-448.	1.8	14
67	Stereoselective synthesis of new enantiomerically enriched N-protected Î³-amino acetylenic esters. Tetrahedron, 1998, 54, 10217-10226.	1.9	13
68	A new approach to non racemic saturated and unsaturated 5-aminoalkyl methyl ketones. Tetrahedron: Asymmetry, 2000, 11, 3759-3768.	1.8	13
69	A New Sequential Intramolecular Cyclization Based on the Boekelheide Rearrangement. European Journal of Organic Chemistry, 2011, 2011, 271-279.	2.4	13
70	Regioselective Functionalization of Bis(trimethylsilyl)methylimines with Electrophiles. Synlett, 1994, 1994, 955-957.	1.8	12
71	The First Synthesis of Î±,Î²-Acetylenic Thioketones and Thioaldehydes. Synlett, 1999, 1999, 1739-1742.	1.8	12
72	New enantiomerically enriched amino allyl- and allenylsilanes derived from naturally occurring amino acids. Tetrahedron: Asymmetry, 2008, 19, 2882-2886.	1.8	12

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73	Sustainable Pd-Catalyzed Direct Arylation of Thienyl Derivatives with (Hetero)aromatic Bromides under Air in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2022, 10, 3037-3047.	6.7	12
74	Process Engineering of Semitransparent DSSC Modules and Panel Incorporating an Organic Sensitizer. Solar Rrl, 2022, 6, .	5.8	12
75	Novel stereoselective synthesis of 1,2,3-trisubstituted azetidines. Tetrahedron: Asymmetry, 2012, 23, 1607-1614.	1.8	11
76	Assessment of new gem-silanediols as suitable sensitizers for dye-sensitized solarÂcells. Journal of Organometallic Chemistry, 2013, 723, 198-206.	1.8	11
77	An unusual thiazolo[5,4-d]thiazole sensitizer for dye-sensitized solar cells. Tetrahedron Letters, 2013, 54, 3944-3948.	1.4	11
78	Cross-coupling reactions: Some applications to the synthesis of thiazolothiazole- and benzobisthiazole-based dyes for new generation solar cells (DSSC). Journal of Organometallic Chemistry, 2014, 771, 117-123.	1.8	11
79	Photoinduced excitation and charge transfer processes of organic dyes with siloxane anchoring groups: a combined spectroscopic and computational study. Physical Chemistry Chemical Physics, 2017, 19, 15310-15323.	2.8	11
80	Synthesis and Characterization of New Organic Dyes Containing the Indigo Core. Molecules, 2020, 25, 3377.	3.8	11
81	Stereoselective synthesis of dienylamines: from amino acids to E-alkene dipeptide isosters. Tetrahedron, 2005, 61, 6791-6800.	1.9	10
82	New unsaturated amino acids containing an allylsilane moiety on the lateral chain. Tetrahedron: Asymmetry, 2006, 17, 922-926.	1.8	10
83	Microwave-Assisted Transformation of Esters into Hydroxamic Acids. Synthesis, 2007, 2007, 3201-3204.	2.3	10
84	Acycloguanosyl 5â€²-thymidyltriphosphate, a Thymidine Analogue Prodrug Activated by Telomerase, Reduces Pancreatic Tumor Growth in Mice. Gastroenterology, 2011, 140, 709-720.e9.	1.3	10
85	DFT and TDDFT investigation of four triphenylamine/phenothiazine-based molecules as potential novel organic hole transport materials for perovskite solar cells. Materials Chemistry and Physics, 2022, 278, 125603.	4.0	10
86	Synthesis of non-racemic Î²-branched Î±-(aminoalkyl)-acrylates from naturally occurring amino acids. Tetrahedron: Asymmetry, 2002, 13, 595-600.	1.8	9
87	Stereoselective synthesis of (R)-(â^')-2,2-dimethyl-3-t-butoxycarbonyl-4-ethynyl-oxazolidine: a chiral building block for the synthesis of a new class of substituted alkynes. Tetrahedron Letters, 1995, 36, 8275-8278.	1.4	9
88	Group 14 organometallic reagents. 8. Organotin-mediated synthesis of macrocyclic tetraesters: regio- and stereochemistry. Journal of Organic Chemistry, 1989, 54, 2643-2645.	3.2	8
89	New Blue Donorâ€“Acceptor Pechmann Dyes: Synthesis, Spectroscopic, Electrochemical, and Computational Studies. ACS Omega, 2019, 4, 7614-7627.	3.5	8
90	The mechanism of solvolysis of Î²-ketosilanes. Journal of Organometallic Chemistry, 1985, 280, 177-182.	1.8	7

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91	CoCl₂.6H₂O AND CF₃SO₃SiMe₃INDUCED THIONATION OF ALDEHYDES: A STEREOCONTROLLED ENTRY TO SUBSTITUTED DIHYDROTHIOPYRAN DERIVATIVES. Phosphorus, Sulfur and Silicon and the Related Elements, 1991, 59, 117-120.	1.6	7
92	A short synthesis of rigid 2-alkylthio-2,2-diaryl substituted acetic acids. Tetrahedron, 1998, 54, 2251-2256.	1.9	7
93	Extending the Conjugation of Pechmann Lactone Thienyl Derivatives: A New Class of Small Molecules for Organic Electronics Application. Synthesis, 2018, 50, 1284-1292.	2.3	7
94	Synthesis and Spectroscopic Characterization of Thienopyrazine-Based Fluorophores for Application in Luminescent Solar Concentrators (LSCs). Molecules, 2021, 26, 5428.	3.8	7
95	Sodium and Potassium. , 1995, , 93-128.		6
96	Synthesis of Enantiomerically Enriched Amino Sulfide Building Blocks from Acyclic Chiral Amino Allylsilanes. Journal of Organic Chemistry, 2011, 76, 7415-7422.	3.2	6
97	Studies on the Lithiation of Hydroxypyrrolidines: Synthesis of PolyhydroxyÂlated Pyrrolidines via Chiral Enecarbamates. Synlett, 2011, 2011, 235-240.	1.8	6
98	Stereoselective Synthesis of 3-Substituted Tetrahydropyrazinoisoquinolines via Intramolecular Cyclization of Enantiomerically Enriched Dihydro-2H-pyrazines. Organic Letters, 2015, 17, 398-401.	4.6	6
99	Preparation of Reduced Pyrazino[2,1-a]isoquinoline Derivatives: Important Heterocycles in the Field of Bioactive Compounds. Synthesis, 2016, 48, 3646-3658.	2.3	6
100	Studies on the efficiency enhancement of co-sensitized, transparent DSSCs by employment of core-shell-shell gold nanorods. Inorganica Chimica Acta, 2018, 470, 407-415.	2.4	6
101	A New Carbanionic One-Carbon Ring Enlargement-Alkylation of Lactams. Synlett, 2003, 2003, 2025-2028.	1.8	5
102	A General Access to 2-Silylthiazolidines and Their Reactions Under Fluoride Ion Conditions. Letters in Organic Chemistry, 2004, 1, 55-58.	0.5	5
103	Synthesis of new polysubstituted piperazines and dihydro-2H-pyrazines by selective reduction of 2-oxo-piperazines. Tetrahedron: Asymmetry, 2010, 21, 191-194.	1.8	5
104	Two New Dyes with Carboxypyridinium Regioisomers as Anchoring Groups for Dye-Sensitized Solar Cells. Synlett, 2015, 26, 2389-2394.	1.8	5
105	The synthesis of 4â€²-thia-Î±-santalene and 4â€²-thia-Î±-santalol through an organometallic approach. Tetrahedron, 1994, 50, 6029-6036.	1.9	4
106	In silico investigation of catechol-based sensitizers for type II dye sensitized solar cells (DSSCs). Inorganica Chimica Acta, 2021, 518, 120233.	2.4	4
107	Thiosilanes Based Delivery of Sulfur Functionalities in Organic Synthesis. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 74, 385-386.	1.6	3
108	Tailoring the Optical Properties of Organic D-Ï€-A Photosensitizers: Effect of Sulfur Introduction in the Acceptor Group. European Journal of Organic Chemistry, 2019, 2019, 812-825.	2.4	3

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109	Synthesis of a new family of 2-ethylidene-Î³-unsaturated Î´-amino esters via microwave activated Stille coupling. Amino Acids, 2010, 39, 175-180.	2.7	2
110	Stereoselective cyclopropanation of chiral 5-substituted dihydro-2H-piperazines. Tetrahedron: Asymmetry, 2013, 24, 75-79.	1.8	2
111	Synthesis of Silatrane-Containing Organic Sensitizers as Precursors for the Silyloxyl Anchoring Group in Dye-Sensitized Solar Cells. Synthesis, 2017, 49, 3975-3984.	2.3	2
112	The Stille Reaction: Applications in the Synthesis of Organic Dyes for DSSCs. Chimia, 2017, 71, 586.	0.6	2
113	A General Access to Î±,Î²-Acetylenic Thiocarbonyl Compounds. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 153, 321-322.	1.6	1
114	Highly Selective Metalation Reactions. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2008, , 317-337.	0.1	1
115	Base-Promoted Elaboration of Aziridines.. ChemInform, 2003, 34, no.	0.0	0
116	A New Carbanionic One-Carbon Ring Enlargementâ€"Alkylation of Lactams.. ChemInform, 2004, 35, no.	0.0	0
117	Superbase-Promoted Rearrangement of Oxiranes to Cyclopropanes.. ChemInform, 2005, 36, no.	0.0	0
118	Cluster Preface: In Memory of Professor Manfred Schlosser. Synlett, 2015, 26, 2351-2354.	1.8	0
119	Organometallic Chemistry and Challenges in CO2 Activation and Utilization. Chemistry International, 2019, 41, 46-48.	0.3	0
120	A New Approach to the Synthesis of 2-Aza-1,3-Dienes through a Novel 1,4-Rearrangement of a Trimethylsilyl Group from Nitrogen to Carbon. Synlett, 1991, 1991, 712-714.	1.8	0
121	Microwave-Assisted Isomerizations of Epoxides to Allylic Alcohols. Letters in Organic Chemistry, 2018, 15, 447-454.	0.5	0