Andrea Mazzanti

List of Publications by Year
in descending order

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241 papers	8,772 citations	44069 48 h-index	58581 82 g-index
244 all docs	244 docs citations	244 times ranked	6814 citing authors

#	Article	IF	Citations
1	Targeting Structural and Stereochemical Complexity by Organocascade Catalysis: Construction of Spirocyclic Oxindoles Having Multiple Stereocenters. Angewandte Chemie - International Edition, 2009, 48, 7200-7203.	13.8	429
2	Class-C Harmonic CMOS VCOs, With a General Result on Phase Noise. IEEE Journal of Solid-State Circuits, 2008, 43, 2716-2729.	5.4	401
3	Organocatalytic synthesis of spiro compounds via a cascade Michaelâ€“Michael-aldol reaction. Chemical Communications, 2010, 46, 6953.	4.1	219
4	Enantioselective Gold-Catalyzed Synthesis of Polycyclic Indolines. Organic Letters, 2012, 14, 1350-1353.	4.6	208
5	Organocascade Reactions of Enones Catalyzed by a Chiral Primary Amine. Angewandte Chemie - International Edition, 2009, 48, 7196-7199.	13.8	196
6	Prolineâ€Catalyzed Asymmetric Formal Î±â€Alkylation of Aldehydes via Vinylogous Iminium Ion Intermediates Generated from Arylsulfonyl Indoles. Angewandte Chemie - International Edition, 2008, 47, 8707-8710.	13.8	187
7	Direct asymmetric vinylogous Michael addition of cyclic enones to nitroalkenes via dienamine catalysis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20642-20647.	7.1	181
8	Organocatalytic Asymmetric Aziridination of Enones. Angewandte Chemie - International Edition, 2008, 47, 8703-8706.	13.8	180
9	A Low-Noise Design Technique for High-Speed CMOS Optical Receivers. IEEE Journal of Solid-State Circuits, 2014, 49, 1437-1447.	5.4	179
10	Organocatalytic asymmetric Povarov reactions with 2- and 3-vinylindoles. Chemical Communications, 2010, 46, 327-329.	4.1	165
11	Asymmetric Iminium Ion Catalysis with a Novel Bifunctional Primary Amine Thiourea: Controlling Adjacent Quaternary and Tertiary Stereocenters. Chemistry - A European Journal, 2009, 15, 7846-7849.	3.3	159
12	An Easy Entry to Optically Active Spiroindolinones: Chiral BrÃ¸nsted Acidâ€Catalysed Pictetâ€“Spengler Reactions of Isatins. Advanced Synthesis and Catalysis, 2011, 353, 860-864.	4.3	149
13	Organocatalytic Asymmetric Conjugate Addition of 1,3-Dicarbonyl Compounds to Maleimides. Angewandte Chemie - International Edition, 2006, 45, 4966-4970.	13.8	147
14	Asymmetric Organocatalytic Cascade Reactions with Î±â€Substituted Î±,Î²â€Unsaturated Aldehydes. Angewandte Chemie - International Edition, 2009, 48, 7892-7894.	13.8	144
15	Organocatalytic Michaelâ€“Alkylation Cascade: The Enantioselective Nitrocyclopropanation of Oxindoles. Chemistry - A European Journal, 2011, 17, 2842-2845.	3.3	139
16	Remote Control of Axial Chirality: Aminocatalytic Desymmetrization of N-Arylmaleimides via Vinylogous Michael Addition. Journal of the American Chemical Society, 2014, 136, 10250-10253.	13.7	134
17	Solvent-Free Asymmetric Aminoalkylation of Electron-Rich Aromatic Compounds:â€‰ Stereoselective Synthesis of Aminoalkylnaphthols by Crystallization-Induced Asymmetric Transformation. Journal of Organic Chemistry, 2001, 66, 4759-4765.	3.2	128
18	Recent Advances in Stereodynamics and Conformational Analysis by Dynamic NMR and Theoretical Calculations. European Journal of Organic Chemistry, 2010, 2010, 2035-2056.	2.4	108

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19	Catalytic Asymmetric Addition of Meldrumâ€™s Acid, Malononitrile, and 1,3â€Dicarbonyls to orthoâ€Quinone Methides Generated In Situ Under Basic Conditions. Chemistry - A European Journal, 2015, 21, 6037-6041.	3.3	106
20	Quaternary Stereogenic Carbon Atoms in Complex Molecules by an Asymmetric, Organocatalytic, Tripleâ€Cascade Reaction. Chemistry - A European Journal, 2008, 14, 4788-4791.	3.3	104
21	Highly enantioselective cascade synthesis of spiropyrazolones. Organic and Biomolecular Chemistry, 2011, 9, 6519.	2.8	104
22	Organocatalytic Asymmetric Formal [3 + 2] Cycloaddition with in Situ-Generated N-Carbamoyl Nitrones. Journal of the American Chemical Society, 2009, 131, 9614-9615.	13.7	99
23	Highly Stereoselective Synthesis of Spiropyrazolones. European Journal of Organic Chemistry, 2011, 2011, 1318-1325.	2.4	98
24	Organocatalytic asymmetric hydrophosphination of nitroalkenes. Chemical Communications, 2007, , 722-724.	4.1	93
25	Insights Into Phase-Noise Scaling in Switch-Coupled Multi-Core <italic>LC</italic> VCOs for E-Band Adaptive Modulation Links. IEEE Journal of Solid-State Circuits, 2017, 52, 1703-1718.	5.4	87
26	Content of flavonols in Italian bean (Phaseolus vulgaris L.) ecotypes. Food Chemistry, 2006, 99, 105-114.	8.2	82
27	A 40â€“67 GHz Power Amplifier With 13 dBm ${m P}_{m SAT}$ and 16% PAE in 28 nm CMOS LP. IEEE Journal of Solid-State Circuits, 2015, 50, 1618-1628.	5.4	75
28	Rotation in Biphenyls with a Single Ortho-Substituent. Journal of Organic Chemistry, 2006, 71, 5474-5481.	3.2	73
29	Iridium(III) Complexes with Phenyl-tetrazoles as Cyclometalating Ligands. Inorganic Chemistry, 2014, 53, 7709-7721.	4.0	72
30	A Low-Noise Quadrature VCO Based on Magnetically Coupled Resonators and a Wideband Frequency Divider at Millimeter Waves. IEEE Journal of Solid-State Circuits, 2011, 46, 2943-2955.	5.4	71
31	On the Phase Noise Performance of Transformer-Based CMOS Differential-Pair Harmonic Oscillators. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2334-2341.	5.4	67
32	N-Heterocyclic Carbene-Amide Rhodium(I) Complexes: Structures, Dynamics, and Catalysis. Organometallics, 2011, 30, 5258-5272.	2.3	66
33	Recent trends in conformational analysis. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2012, 2, 613-641.	14.6	65
34	Merging Synthesis and Enantioselective Functionalization of Indoles by a Goldâ€Catalyzed Asymmetric Cascade Reaction. Angewandte Chemie - International Edition, 2013, 52, 10850-10853.	13.8	65
35	A Wideband Receiver for Multi-Gbit/s Communications in 65 nm CMOS. IEEE Journal of Solid-State Circuits, 2011, 46, 551-561.	5.4	64
36	Centralâ€toâ€Axial Chirality Conversion Approach Designed on Organocatalytic Enantioselective Povarov Cycloadditions: First Access to Configurationally Stable Indoleâ€“Quinoline Atropisomers. Chemistry - A European Journal, 2019, 25, 15694-15701.	3.3	62

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37	Asymmetric Catalytic Aziridination of Cyclic Enones. Chemistry - an Asian Journal, 2010, 5, 1652-1656.	3.3	61
38	Organocatalytic enantioselective pyrazol-3-one addition to maleimides: Reactivity and stereochemical course. Organic and Biomolecular Chemistry, 2012, 10, 1645.	2.8	60
39	Substrate and product role in the Shvo's catalyzed selective hydrogenation of the platform bio-based chemical 5-hydroxymethylfurfural. Dalton Transactions, 2014, 43, 10224-10234.	3.3	60
40	Catalytic highly enantioselective vinylogous Povarov reaction. Chemical Communications, 2013, 49, 880-882.	4.1	58
41	Five-to-Six Membered Ring-Rearrangements in the Reaction of 5-Perfluoroalkyl-1,2,4-oxadiazoles with Hydrazine and Methylhydrazine. Journal of Organic Chemistry, 2006, 71, 8106-8113.	3.2	55
42	Synthesis and antimicrobial activity of novel structural hybrids of benzofuroxan and benzothiazole derivatives. European Journal of Medicinal Chemistry, 2015, 93, 349-359.	5.5	54
43	Rotational barriers of biphenyls having heavy heteroatoms as ortho-substituents: experimental and theoretical determination of steric effects. Organic and Biomolecular Chemistry, 2012, 10, 1847.	2.8	53
44	Evidence for Carbon-Carbon Meisenheimer-Wheland Complexes between Superelectrophilic and Supernucleophilic Carbon Reagents. Angewandte Chemie - International Edition, 2005, 44, 3285-3289.	13.8	52
45	Catalytic Asymmetric Inverseâ€Electronâ€Demand (IED) [4+2] Cycloaddition of Salicylaldimines: Preparation of Optically Active 4â€Aminobenzopyran Derivatives. Advanced Synthesis and Catalysis, 2010, 352, 3399-3406.	4.3	52
46	Stereochemistry and Recent Applications of Axially Chiral Organic Molecules. European Journal of Organic Chemistry, 2020, 2020, 4070-4086.	2.4	52
47	Organocatalytic Atroposelective Formal Dielsâ€“Alder Desymmetrization of N-Arylmaleimides. Organic Letters, 2015, 17, 1728-1731.	4.6	51
48	Nucleophilic Dearomatization of Pyridines under Enamine Catalysis: Regio-, Diastereo-, and Enantioselective Addition of Aldehydes to Activated N-Alkylpyridinium Salts. Organic Letters, 2017, 19, 834-837.	4.6	51
49	Stereomutations of Atropisomers of Sterically Hindered Salophen Ligands. Journal of Organic Chemistry, 2005, 70, 8877-8883.	3.2	50
50	B Values as a Sensitive Measure of Steric Effects. Chemistry - A European Journal, 2009, 15, 2645-2652.	3.3	50
51	Iminium ion catalysis: the enantioselective Friedelâ€“Crafts alkylationâ€“acetalization cascade of naphthols with Î±,Î²-unsaturated cyclic ketones. Chemical Communications, 2012, 48, 11178.	4.1	49
52	Chiral nanostructuring of multivalent macrocycles in solution and on surfaces. Organic and Biomolecular Chemistry, 2015, 13, 3593-3601.	2.8	48
53	Conformational Studies by Dynamic NMR. 86.1Structure, Stereodynamics, and Cryogenic Enantioseparation of the Stereolabile Isomers ofo-Dinaphthylphenyl Derivatives. Journal of Organic Chemistry, 2002, 67, 1663-1668.	3.2	47
54	Second-Order Equivalent Circuits for the Design of Doubly-Tuned Transformer Matching Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 4157-4168.	5.4	47

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55	Structure, Conformation, and Dynamic Processes of the Stereolabile Atropisomers of Hindered Terphenyl Hydrocarbons. Organic Letters, 2005, 7, 1291-1294.	4.6	46
56	Catalytic Asymmetric Reactions of 4â€Substituted Indoles with Nitroethene: A Direct Entry to Ergot Alkaloid Structures. Chemistry - A European Journal, 2015, 21, 17578-17582.	3.3	46
57	First one-pot organocatalytic synthesis of Î±-methylene-Î³-lactones. Chemical Communications, 2013, 49, 1184.	4.1	45
58	Solventâ€Free Nonâ€Covalent Organocatalysis: Enantioselective Addition of Nitroalkanes to Alkylideneindolenines as a Flexible Gateway to Optically Active Tryptamine Derivatives. Advanced Synthesis and Catalysis, 2012, 354, 1373-1380.	4.3	43
59	Synergistic catalysis: cis-cyclopropanation of benzoxazoles. Chemical Science, 2016, 7, 984-988.	7.4	43
60	A 64 Gb/s Low-Power Transceiver for Short-Reach PAM-4 Electrical Links in 28-nm FDSOI CMOS. IEEE Journal of Solid-State Circuits, 2019, 54, 6-17.	5.4	42
61	Structure, Conformation, Stereodynamics, Dimer Formation, and Absolute Configuration of Axially Chiral Atropisomers of Hindered Biphenyl Carbinols. Journal of Organic Chemistry, 2007, 72, 7667-7676.	3.2	40
62	Enantioselective Dearomatization of Alkylpyridiniums by N-Heterocyclic Carbene-Catalyzed Nucleophilic Acylation. Journal of Organic Chemistry, 2018, 83, 2050-2057.	3.2	40
63	Synergistic formal ring contraction for the enantioselective synthesis of spiropyrazolones. Chemical Science, 2018, 9, 6368-6373.	7.4	40
64	The biphenyl-monitored effective size of unsaturated functional or fluorinated ortho substituents. Organic and Biomolecular Chemistry, 2010, 8, 4463.	2.8	38
65	A High-Swing 45 Gb/s Hybrid Voltage and Current-Mode PAM-4 Transmitter in 28 nm CMOS FDSOI. IEEE Journal of Solid-State Circuits, 2016, 51, 2702-2715.	5.4	36
66	Anionic Cyclometalated Iridium(III) Complexes with a Bis-Tetrazolate Ancillary Ligand for Light-Emitting Electrochemical Cells. Inorganic Chemistry, 2017, 56, 10584-10595.	4.0	36
67	Conformational Studies by Dynamic Nuclear Magnetic Resonance. 59.1Stereodynamics of Conformational Enantiomers in the Atropisomers of Hindered Naphthylcarbinols. Journal of Organic Chemistry, 1997, 62, 3315-3323.	3.2	35
68	The Intramolecular Edgeâ€toâ€Face Interactions of an Aryl Cï£¿H Bond and of a Pyridine Nitrogen Loneâ€Pair with Aromatic and Fluoroaromatic Systems in Some [3,3]Metaparacyclophanes: A Combined Computational and NMR Study. Chemistry - A European Journal, 2009, 15, 4373-4381.	3.3	35
69	A 2â€“11 GHz 7-Bit High-Linearity Phase Rotator Based on Wideband Injection-Locking Multi-Phase Generation for High-Speed Serial Links in 28-nm CMOS FDSOI. IEEE Journal of Solid-State Circuits, 2017, 52, 1739-1752.	5.4	34
70	Asymmetric synthesis of 3,4-annulated indoles through an organocatalytic cascade approach. Chemical Communications, 2014, 50, 445-447.	4.1	33
71	Catalytic highly enantioselective transfer hydrogenation of Î²-trifluoromethyl nitroalkenes. An easy and general entry to optically active Î²-trifluoromethyl amines. Chemical Communications, 2015, 51, 658-660.	4.1	33
72	Atropisomers of Arylmaleimides: Stereodynamics and Absolute Configuration. Journal of Organic Chemistry, 2013, 78, 3709-3719.	3.2	32

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73	The Torsional Barriers of 2â€Hydroxyâ€•and 2â€Fluorobiphenyl: Small but Measurable. Chemistry - A European Journal, 2010, 16, 9186-9192.	3.3	31
74	Betti Reaction of Cyclic Imines with Naphthols and Phenols â€“ Preparation of New Derivatives of Betti's Bases. European Journal of Organic Chemistry, 2011, 2011, 2094-2100.	2.4	31
75	Stereomutation of Axially Chiral Aryl Coumarins. Journal of Organic Chemistry, 2010, 75, 5927-5933.	3.2	30
76	Vinylogous Reactivity of Oxindoles Bearing Nonsymmetric 3-Alkylidene Groups. Journal of Organic Chemistry, 2015, 80, 7158-7171.	3.2	30
77	Conformational Studies by Dynamic NMR. 89.1Stereomutation and Cryogenic Enantioseparation of Conformational Antipodes of Hindered Aryl Oximes. Journal of Organic Chemistry, 2002, 67, 3089-3095.	3.2	29
78	Correct Values of the Rotation Barriers of 1,8-Ditolylanthracenes. Journal of Organic Chemistry, 2007, 72, 5391-5394.	3.2	29
79	An Experimental Study on the Effect of Substituents on Aromaticâ€“Aromatic Interactions in Dithia[3,3]â€•metaparacyclophanes. Chemistry - A European Journal, 2012, 18, 3611-3620.	3.3	29
80	Catalytic asymmetric one-pot synthesis of Î±-methylene-Î³-lactams. Tetrahedron, 2014, 70, 75-82.	1.9	29
81	Conformational Studies by Dynamic NMR. 84.1 Structure, Conformation, and Stereodynamics of the Atropisomers of N-Aryl-tetrahydropyrimidines. Journal of Organic Chemistry, 2001, 66, 6679-6684.	3.2	28
82	Conformational Studies by Dynamic NMR. 93.1Stereomutation, Enantioseparation, and Absolute Configuration of the Atropisomers of Diarylbicyclononanes. Journal of Organic Chemistry, 2003, 68, 1815-1820.	3.2	28
83	Towards mm-wave spectroscopy for dielectric characterization of breast surgical margins. Breast, 2019, 45, 64-69.	2.2	28
84	Conformational Studies by Dynamic NMR. 67.1Ring Inversion, in Solution and in the Solid, of the Silane Analogue of Permethylcyclohexane:Â Dodecamethylcyclohexasilane. Journal of Organic Chemistry, 1998, 63, 9125-9127.	3.2	27
85	Conformational Studies by Dynamic NMR. 78.1Stereomutation of the Helical Enantiomers of Trigonal Carbon Diaryl-Substituted Compounds:Â Dimesitylketone, Dimesitylthioketone, and Dimesitylethylene. Journal of Organic Chemistry, 2001, 66, 488-495.	3.2	27
86	Regio- and Stereoselective Lithiation of 2,3-Diphenylaziridines:â€‰ A Multinuclear NMR Investigation. Journal of Organic Chemistry, 2008, 73, 3197-3204.	3.2	27
87	Locked chromophores as CD and NMR probes for the helical conformation of tetraamidic macrocycles. Organic and Biomolecular Chemistry, 2010, 8, 1807.	2.8	27
88	Conformational studies by dynamic NMR spectroscopy. Part 96: Stereomutations of highly hindered naphthylphenyl atropisomers in solution and in the solids. Tetrahedron, 2004, 60, 4451-4458.	1.9	26
89	Stereolabile and Configurationally Stable Atropisomers of Hindered Aryl Carbinols. Journal of Organic Chemistry, 2005, 70, 5098-5102.	3.2	26
90	Enantiomerization of Chiral Uranylâ€'Salophen Complexes via Unprecedented Ligand Hemilability: Toward Configurationally Stable Derivatives. Journal of Organic Chemistry, 2008, 73, 6108-6118.	3.2	26

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91	Meisenheimerâ^'Wheland Complexes between 1,3,5-Tris(N,N-dialkylamino)benzenes and 4,6-Dinitrotetrazolo[1,5-a]pyridine. Evidence of Reversible Câ^'C Coupling in the S_EAr/S_NAr Reactionâ€Written to celebrate the centenary of the Italian Chemical Society.. Journal of Organic Chemistry, 2009, 74, 5568-5575.	3.2	26
92	Trapping and Analysing Whelandâ€“Meisenheimer Ïƒ Complexes, Usually Labile and Escaping Intermediates. European Journal of Organic Chemistry, 2012, 2012, 1123-1129.	2.4	26
93	Enantioselective Organocatalytic Cyclopropanation of Enals Using Benzyl Chlorides. Journal of Organic Chemistry, 2016, 81, 3488-3500.	3.2	26
94	Conformational Studies by Dynamic NMR. 80.1Cog-Wheel Effect in the Stereolabile Helical Enantiomers of Dimesityl Sulfoxide and Sulfone. Journal of Organic Chemistry, 2001, 66, 2757-2763.	3.2	25
95	Axial Chirality of 4-Arylpyrazolo[3,4-b]pyridines. Conformational Analysis and Absolute Configuration. Journal of Organic Chemistry, 2014, 79, 11039-11050.	3.2	25
96	A PVT-Tolerant >40-dB IRR, 44% Fractional-Bandwidth Ultra-Wideband mm-Wave Quadrature LO Generator for 5G Networks in 55-nm CMOS. IEEE Journal of Solid-State Circuits, 2018, 53, 3576-3586.	5.4	24
97	A Rational Approach Towards a New Ferrocenyl Pyrrolidine for Stereoselective Enamine Catalysis. Chemistry - A European Journal, 2013, 19, 7696-7700.	3.3	23
98	Analysis and Design of a Power-Scalable Continuous-Time FIR Equalizer for 10 Gb/s to 25 Gb/s Multi-Mode Fiber EDC in 28 nm LP CMOS. IEEE Journal of Solid-State Circuits, 2014, 49, 3130-3140.	5.4	23
99	Axial Chirality about Boronâ€“Carbon Bond: Atropisomeric Azaborines. Organic Letters, 2016, 18, 2692-2695.	4.6	23
100	Controlling the C(sp3)â€“C(sp2) Axial Conformation in the Enantioselective Friedelâ€“Crafts-Type Alkylation of Î²-Naphthols with Inden-1-ones. Organic Letters, 2017, 19, 6692-6695.	4.6	23
101	Enantioselective Synthesis of Trifluoromethyl Î±,Î²-Unsaturated Î´-Lactones via Vinylogous Aldol-Lactonization Cascade. Journal of Organic Chemistry, 2018, 83, 12440-12448.	3.2	23
102	D-Band SiGe BiCMOS Power Amplifier With 16.8dBm Pâ‚dB and 17.1% PAE Enhanced by Current-Clamping in Multiple Common-Base Stages. IEEE Microwave and Wireless Components Letters, 2021, 31, 288-291.	3.2	23
103	Conformational Studies by Dynamic NMR. 74.1Stereomutations of the Conformational Enantiomers in Peri-Substituted 1-Acylnaphthalenes. Journal of Organic Chemistry, 2000, 65, 3200-3206.	3.2	22
104	Unprecedented Detection of Distinct Barriers Involving Formally Enantiotopic Substituents: Phenyl Rotation in Solid Diphenyl Sulfoxide. Angewandte Chemie - International Edition, 2001, 40, 2536-2540.	13.8	22
105	First 1,3-dipolar cycloaddition of Z-Î±-phenyl-N-methylnitrone with allylic fluorides: a stereoselective route to enantiopure fluorine-containing isoxazolidines and amino polyols. Tetrahedron: Asymmetry, 2004, 15, 245-250.	1.8	22
106	Arylbiphenylene Atropisomers:â€‰ Structure, Conformation, Stereodynamics, and Absolute Configuration. Journal of Organic Chemistry, 2008, 73, 2198-2205.	3.2	22
107	The Intramolecular Interaction of Thiophene and Furan with Aromatic and Fluoroaromatic Systems in Some [3.3]Meta(heterocyclo)paracyclophanes: A Combined Computational and NMR Spectroscopic Study. Chemistry - A European Journal, 2010, 16, 7456-7468.	3.3	22
108	Michael Addition of Oxindoles to N-(2-tert-Butylphenyl)maleimides: Efficient Desymmetrization for the Synthesis of Atropisomeric Succinimides with Quaternary and Tertiary Stereocenters. Synthesis, 2017, 49, 1519-1530.	2.3	22

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109	Conformational Dynamics of Tetraisopropylmethane and of Tetracyclopropylmethane1. Journal of the American Chemical Society, 2002, 124, 6706-6713.	13.7	21
110	Pushâ€“Pull Amino Succinimidyl Ester Thiopheneâ€Based Fluorescent Dyes: Synthesis and Optical Characterization. Chemistry - A European Journal, 2011, 17, 7947-7952.	3.3	21
111	N-Heterocyclic carbene rhodium(<scp>i</scp>) complexes containing an axis of chirality: dynamics and catalysis. New Journal of Chemistry, 2014, 38, 1768-1779.	2.8	21
112	Catalytic Enantioselective Povarov Reactions of Ferrocenecarbaldehydeâ€Derived Imines â€“ BrÃ¸nsted Acid Catalysis at Partsâ€Perâ€Million Level Loading. Advanced Synthesis and Catalysis, 2018, 360, 893-900.	4.3	21
113	Direct Access to Alkylideneoxindoles via Axially Enantioselective Knoevenagel Condensation. Organic Letters, 2019, 21, 3013-3017.	4.6	21
114	Conformational Studies by Dynamic NMR. 64.1Stereomutations of Atropisomers and of Conformational Enantiomers in Ethers of Hindered Naphthylcarbinolsâ€. Journal of Organic Chemistry, 1998, 63, 4746-4754.	3.2	20
115	Stereodynamics and Conformational Chirality of the Atropisomers of Ditolyl Anthrones and Anthraquinone. Journal of Organic Chemistry, 2008, 73, 5354-5359.	3.2	20
116	Axial Chirality at the Boronâ€“Carbon Bond: Synthesis, Stereodynamic Analysis, and Atropisomeric Resolution of 6-Aryl-5,6-dihydrodibenzo[c,e][1,2]azaborinines. Journal of Organic Chemistry, 2019, 84, 12253-12258.	3.2	20
117	Conformational Studies by Dynamic NMR. 62.1Stereomutations of Rotamers and of Conformational Enantiomers in 1,2-Diacylbenzenes. Journal of Organic Chemistry, 1997, 62, 7592-7596.	3.2	19
118	Conformational Studies by Dynamic NMR. 58.1 Stereodynamics of Câ”C and Câ”N Rotation in Furan and Thiophene o-Amino Thioaldehydes and Aldehydes. Journal of Organic Chemistry, 1997, 62, 2263-2266.	3.2	19
119	Conformational Studies by Dynamic NMR. 83.1Correlated Enantiomerization Pathways for the Stereolabile Propeller Antipodes of Dimesityl Substituted Ethanol and Ethers. Journal of Organic Chemistry, 2001, 66, 5853-5858.	3.2	19
120	Stereolability of Dihydroartemisinin, an Antimalarial Drug: A Comprehensive Thermodynamic Investigation. Part 1. Journal of Organic Chemistry, 2011, 76, 1751-1758.	3.2	19
121	Organocatalytic Asymmetric Sulfaâ€Michael Addition of 2â€Aminothiophenols to Chalcones: First Enantioselective Access to 2,3,4,5â€Tetrahydroâ€1,5â€benzothiazepines. European Journal of Organic Chemistry, 2017, 2017, 49-52.	2.4	19
122	D-Band Transport Solution to 5G and Beyond 5G Cellular Networks. , 2019, , .		19
123	High-Efficiency SiGe-BiCMOS E -Band Power Amplifiers Exploiting Current Clamping in the Common-Base Stage. IEEE Journal of Solid-State Circuits, 2019, 54, 2175-2185.	5.4	19
124	Structure, Stereodynamics and Absolute Configuration of the Atropisomers of Hindered Arylanthraquinones. Journal of Organic Chemistry, 2009, 74, 1345-1348.	3.2	18
125	Light-Triggered Catalytic Asymmetric Allylic Benzylation with Photogenerated C-Nucleophiles. Journal of Organic Chemistry, 2020, 85, 4463-4474.	3.2	18
126	Conformational Studies by Dynamic NMR. 73.1Conformational Enantiomers of Cyclohexene Oxide in the Solid State. Journal of Organic Chemistry, 2000, 65, 3207-3208.	3.2	17

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127	Conformational Studies by Dynamic NMR. 79.1Dimesityl Sulfine Revisited:Â Detection of the Helical Antipodes and Determination of Their Enantiomerization Pathways. Journal of Organic Chemistry, 2001, 66, 748-754.	3.2	17
128	Multicomponent Domino Reaction Promoted by Mg(ClO₄)₂: Highly Efficient Access to Functionalized 1,4â€Dihydropyridines. European Journal of Organic Chemistry, 2008, 2008, 3970-3975.	2.4	17
129	Stereolability of Dihydroartemisinin, an Antimalarial Drug: A Comprehensive Kinetic Investigation. Part 2. Journal of Organic Chemistry, 2011, 76, 4831-4840.	3.2	17
130	Triple Click to Tripodal Triazole-Based Ligands - Synthesis and Characterization of Blue-Emitting Ce3+Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 2432-2439.	2.0	17
131	Ring Inversion Dynamics of Derivatives of Thianthrene Di- and TetraoxideÂ§. Journal of Organic Chemistry, 2006, 71, 6248-6250.	3.2	16
132	Catalytic Enantioselective Access to Dihydroquinoxalinones via Formal Î±â€Halo Acyl Halide Synthon in One Pot. Angewandte Chemie - International Edition, 2021, 60, 23819-23826.	13.8	16
133	Conformational studies by dynamic NMR. 66. Ring inversion in a cyclic disilane: 1,1,4,4-tetramethyl-1,4-disilacyclohexane. Tetrahedron, 1998, 54, 13181-13184.	1.9	15
134	Conformational Studies by Dynamic NMR. 94.1Cogwheel Pathway for the Stereomutations of Durene Derivatives Containing the Mesityl Ring. Journal of Organic Chemistry, 2003, 68, 7266-7273.	3.2	15
135	Enantioselective Desymmetrization of 1,4â€Dihydropyridines by Oxidative NHC Catalysis. Chemistry - A European Journal, 2019, 25, 7469-7474.	3.3	15
136	Unexpected Stereodynamic Consequences of the Restricted Rotations in ortho-Acyl- and ortho-Vinyl Biphenyls. Journal of Organic Chemistry, 2006, 71, 9297-9301.	3.2	14
137	Cinchona Alkaloidâ€Catalyzed Enantioselective Direct Aldol Reaction of Nâ€Bocâ€Oxindoles with Polymeric Ethyl Glyoxylate. Advanced Synthesis and Catalysis, 2011, 353, 2953-2959.	4.3	14
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