Mei-Xiang Wang

List of Publications by Year
in descending order

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217 papers	10,798 citations	26610 56 h-index	43868 91 g-index
254 all docs	254 docs citations	254 times ranked	5761 citing authors

#	Article	IF	Citations
1	Anionâˆ’Ï€ Interactions: Generality, Binding Strength, and Structure. Journal of the American Chemical Society, 2013, 135, 892-897.	6.6	372
2	Nitrogen and Oxygen Bridged Calixaromatics: Synthesis, Structure, Functionalization, and Molecular Recognition. Accounts of Chemical Research, 2012, 45, 182-195.	7.6	370
3	Heterocalixaromatics, new generation macrocyclic host molecules in supramolecular chemistry. Chemical Communications, 2008, , 4541.	2.2	266
4	Synthesis, Structure, and[60]Fullerene Complexation Properties of Azacalix[m]arene[n]pyridines. Angewandte Chemie - International Edition, 2004, 43, 838-842.	7.2	260
5	A General and High Yielding Fragment Coupling Synthesis of Heteroatom-Bridged Calixarenes and the Unprecedented Examples of Calixarene Cavity Fine-Tuned by Bridging Heteroatoms. Journal of the American Chemical Society, 2004, 126, 15412-15422.	6.6	259
6	Halide Recognition by Tetraoxacalix[2]arene[2]triazine Receptors: Concurrent Noncovalent Halideâ€“Ï€ and Loneâ€pairâ€“Ï€ Interactions in Hostâ€“Halideâ€“Water Ternary Complexes. Angewandte Chemie - International Edition, 2008, 47, 7485-7488.	7.2	251
7	Still Unconquered: Enantioselective Passerini and Ugi Multicomponent Reactions. Accounts of Chemical Research, 2018, 51, 1290-1300.	7.6	186
8	Synthesis of Substituted Pyridines from Cascade [1 + 5] Cycloaddition of Isonitriles to N-Formylmethyl-Substituted Enamides, Aerobic Oxidative Aromatization, and Acyl Transfer Reaction. Journal of the American Chemical Society, 2013, 135, 4708-4711.	6.6	178
9	Room-temperature aerobic formation of a stable arylâ€“Cu(iii) complex and its reactions with nucleophiles: highly efficient and diverse arene Câ€“H functionalizations of azacalix[1]arene[3]pyridine. Chemical Communications, 2009, , 2899.	2.2	163
10	BrÃ¸nsted Acid Catalyzed Enantioselective Threeâ€Component Reaction Involving the Î±â€…Addition of Isocyanides to Imines. Angewandte Chemie - International Edition, 2009, 48, 6717-6721.	7.2	161
11	Cr(III)(salen)Cl Catalyzed Enantioselective Intramolecular Addition of Tertiary Enamides to Ketones: A General Access to Enantioenriched 1H-Pyrrol-2(3H)-one Derivatives Bearing a Hydroxylated Quaternary Carbon Atom. Journal of the American Chemical Society, 2009, 131, 10390-10391.	6.6	142
12	Methylazacalixpyridines: Remarkable Bridging Nitrogen-Tuned Conformations and Cavities with Unique Recognition Properties. Chemistry - A European Journal, 2006, 12, 9262-9275.	1.7	140
13	Catalytic Enantioselective Passerini Threeâ€Component Reaction. Angewandte Chemie - International Edition, 2008, 47, 388-391.	7.2	139
14	Versatile Anionâ€“Ï€ Interactions between Halides and a Conformationally Rigid Bis(tetraoxacalix[2]arene[2]triazine) Cage and Their Directing Effect on Molecular Assembly. Chemistry - A European Journal, 2010, 16, 13053-13057.	1.7	137
15	Enantioselective Biotransformations of Nitriles in Organic Synthesis. Topics in Catalysis, 2005, 35, 117-130.	1.3	131
16	Asymmetric Synthesis of 5â€(1â€Hydroxyalkyl)tetrazoles by Catalytic Enantioselective Passeriniâ€Type Reactions. Angewandte Chemie - International Edition, 2008, 47, 9454-9457.	7.2	124
17	Exploring Anionâˆ’Ï€ Interactions and Their Applications in Supramolecular Chemistry. Accounts of Chemical Research, 2020, 53, 1364-1380.	7.6	124
18	Direct Synthesis of High-Valent Arylâ€“Cu(II) and Arylâ€“Cu(III) Compounds: Mechanistic Insight into Arene Câ€“H Bond Metalation. Journal of the American Chemical Society, 2014, 136, 6326-6332.	6.6	117

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19	Exploring tertiary enamides as versatile synthons in organic synthesis. Chemical Communications, 2015, 51, 6039-6049.	2.2	116
20	Methylazacalix[4]pyridine:â€‰ En Route to Zn2+-Specific Fluoresence Sensors. Organic Letters, 2006, 8, 4895-4898.	2.4	114
21	Designed Synthesis of Metal Cluster-Centered Pseudo-Rotaxane Supramolecular Architectures. Journal of the American Chemical Society, 2011, 133, 8448-8451.	6.6	114
22	Catalytic Asymmetric Passerini-Type Reaction: Chiral Aluminumâ^'Organophosphate-Catalyzed Enantioselective Î±-Addition of Isocyanides to Aldehydes. Journal of Organic Chemistry, 2009, 74, 8396-8399.	1.7	111
23	Enantioselective Biotransformations of Nitriles in Organic Synthesis. Accounts of Chemical Research, 2015, 48, 602-611.	7.6	108
24	Chiral Salenâ^'Aluminum Complex as a Catalyst for Enantioselective Î±-Addition of Isocyanides to Aldehydes:â€‰ Asymmetric Synthesis of 2-(1-Hydroxyalkyl)-5-aminooxazoles. Organic Letters, 2007, 9, 3615-3618.	2.4	106
25	Stabilization of a Reactive Polynuclear Silver Carbide Cluster through the Encapsulation within a Supramolecular Cage. Journal of the American Chemical Society, 2012, 134, 824-827.	6.6	105
26	Synthesis of Large Macrocyclic Azacalix[n]pyridines (n = 6 â^' 9) and Their Complexation with Fullerenes C₆₀ and C₇₀. Organic Letters, 2008, 10, 2565-2568.	2.4	102
27	Aromatic hydrocarbon belts. Nature Chemistry, 2021, 13, 402-419.	6.6	102
28	Tuning the Reactivity of Isocyano Group: Synthesis of Imidazoles and Imidazoliums from Propargylamines and Isonitriles in the Presence of Multiple Catalysts. Angewandte Chemie - International Edition, 2015, 54, 1293-1297.	7.2	97
29	Highly Efficient and Stereoselective N-Vinylation of Oxiranecarboxamides and Unprecedented 8-endo-Epoxy-arene Cyclization:Â Expedient and Biomimetic Synthesis of SomeClausenaAlkaloids. Organic Letters, 2007, 9, 1387-1390.	2.4	95
30	Cu(ClO₄)₂-Mediated Arene Câ€“H Bond Halogenations of Azacalixaromatics Using Alkali Metal Halides as Halogen Sources. Journal of Organic Chemistry, 2012, 77, 3336-3340.	1.7	95
31	Chiral Phosphoric Acid Catalyzed Asymmetric Ugi Reaction by Dynamic Kinetic Resolution of the Primary Multicomponent Adduct. Angewandte Chemie - International Edition, 2016, 55, 5282-5285.	7.2	95
32	Synthesis, Structure, and Properties of O₆â€Corona[3]arene[3]tetrazines. Angewandte Chemie - International Edition, 2014, 53, 13548-13552.	7.2	93
33	Toward the Synthesis of a Highly Strained Hydrocarbon Belt. Journal of the American Chemical Society, 2020, 142, 4576-4580.	6.6	90
34	Zinc Bromide Promoted Coupling of Isonitriles with Carboxylic Acids To Form 2,4,5â€Trisubstituted Oxazoles. Angewandte Chemie - International Edition, 2013, 52, 10878-10882.	7.2	85
35	Asymmetric Lewis Acid Catalyzed Addition of Isocyanides to Aldehydes â€“ Synthesis of 5-Amino-2-(1-hydroxyalkyl)oxazoles. European Journal of Organic Chemistry, 2007, 2007, 4076-4080.	1.2	81
36	Practical and Convenient Enzymatic Synthesis of Enantiopure Î±-Amino Acids and Amides. Journal of Organic Chemistry, 2002, 67, 6542-6545.	1.7	78

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37	Enantioselective biotransformations of racemic Î±-substituted phenylacetonitriles and phenylacetamides using Rhodococcus sp. AJ270. Tetrahedron: Asymmetry, 2000, 11, 1123-1135.	1.8	77
38	Synthesis and structure of nitrogen bridged calix[5]- and -[10]-pyridines and their complexation with fullerenes. Chemical Communications, 2007, , 3856.	2.2	77
39	Ion pair receptors based on anionâ€“Ï€ interaction. Chemical Communications, 2011, 47, 8112.	2.2	75
40	Synthesis and Molecular Recognition of Waterâ€Soluble S₆â€Corona[3]arene[3]pyridazines. Angewandte Chemie - International Edition, 2015, 54, 8386-8389.	7.2	74
41	Efficient Functionalizations of Heteroatom-Bridged Calix[2]arene[2]triazines on the Larger Rim. Journal of Organic Chemistry, 2007, 72, 3757-3763.	1.7	72
42	Formation and Conformational Conversion of Flattened Partial Cone Oxygen Bridged Calix[2]arene[2]triazines. Organic Letters, 2007, 9, 2847-2850.	2.4	71
43	Highly Selective Recognition of Diols by a Self-Regulating Fine-Tunable Methylazacalix[4]pyridine Cavity: Guest-Dependent Formation of Molecular-Sandwich and Molecular-Capsule Complexes in Solution and the Solid State. Chemistry - A European Journal, 2007, 13, 7791-7802.	1.7	71
44	Synthesis and Structure of Upper-Rim 1,3-Alternate Tetraoxacalix[2]arene[2]triazine Azacrowns and Change of Cavity in Response to Fluoride Anion. Journal of Organic Chemistry, 2007, 72, 5218-5226.	1.7	69
45	Highly Efficient and Expedient Synthesis of 5-Hydroxy-1H-pyrrol-2-(5H)-ones from FeCl₃-Catalyzed Tandem Intramolecular Enaminic Addition of Tertiary Enamides to Ketones and 1,3-Hydroxy Rearrangement. Organic Letters, 2010, 12, 3918-3921.	2.4	69
46	Catalytic Enantioselective Double Carbopalladation/Câ^'H Functionalization with Statistical Amplification of Product Enantiopurity: A Convertible Linker Approach. Angewandte Chemie - International Edition, 2017, 56, 14192-14196.	7.2	65
47	Reversal of Nucleophilicity of Enamides in Water: Control of Cyclization Pathways by Reaction Media for the Orthogonal Synthesis of Dihydropyridinone and Pyrrolidinone Clausena Alkaloids. Organic Letters, 2008, 10, 2461-2464.	2.4	64
48	Regiospecific Functionalization of Azacalixaromatics through Copper-Mediated Aryl Câ€“H Activation and Câ€“O Bond Formation. Organic Letters, 2011, 13, 6560-6563.	2.4	63
49	Molecular Barrel by a Hooping Strategy: Synthesis, Structure, and Selective CO₂ Adsorption Facilitated by Lone Pairâ^Ï€ Interactions. Journal of the American Chemical Society, 2017, 139, 635-638.	6.6	62
50	Synthesis, Structure and Molecular Recognition of Functionalised Tetraoxacalix[2]arene[2]triazines. Chemistry - A European Journal, 2010, 16, 7265-7275.	1.7	60
51	Anion Recognition by Charge Neutral Electron-deficient Arene Receptors. Chimia, 2011, 65, 939-943.	0.3	60
52	Coronarenes: recent advances and perspectives on macrocyclic and supramolecular chemistry. Science China Chemistry, 2018, 61, 993-1003.	4.2	60
53	Catalytic Asymmetric Difunctionalization of Stable Tertiary Enamides with Salicylaldehydes: Highly Efficient, Enantioselective, and Diastereoselective Synthesis of Diverse 4-Chromanol Derivatives. Organic Letters, 2014, 16, 5972-5975.	2.4	59
54	Hydrocarbon Belts with Truncated Cone Structures. Journal of the American Chemical Society, 2020, 142, 1196-1199.	6.6	59

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55	Enantioselective Synthesis of 4â€Hydroxytetrahydropyridine Derivatives by Intramolecular Addition of Tertiary Enamides to Aldehydes. Angewandte Chemie - International Edition, 2012, 51, 4417-4420.	7.2	58
56	Synthesis of Tetraazacalix[2]arene[2]triazines:â€‰ Tuning the Cavity by the Substituents on the Bridging Nitrogen Atoms. Organic Letters, 2006, 8, 5967-5970.	2.4	56
57	Nitrile Biotransformations for the Efficient Synthesis of Highly Enantiopure 1-Arylaziridine-2-carboxylic Acid Derivatives and Their Stereoselective Ring-Opening Reactions. Journal of Organic Chemistry, 2007, 72, 2040-2045.	1.7	56
58	Catalytic Asymmetric Tandem Reaction of Tertiary Enamides: Expeditious Synthesis of Pyrrolo[2,1â€a]isoquinoline Alkaloid Derivatives. Angewandte Chemie - International Edition, 2016, 55, 3799-3803.	7.2	56
59	Nitrile Biotransformations for the Synthesis of Highly Enantioenriched Î²-Hydroxy and Î²-Amino Acid and Amide Derivatives: A General and Simple but Powerful and Efficient Benzyl Protection Strategy To Increase Enantioselectivity of the Amidase. Journal of Organic Chemistry, 2008, 73, 4087-4091.	1.7	55
60	Highly efficient and concise synthesis of both antipodes of SB204900, clausenamide, neoclausenamide, homoclausenamide and Î¶-clausenamide. Implication of biosynthetic pathways of clausena alkaloids. Organic and Biomolecular Chemistry, 2009, 7, 2628.	1.5	53
61	Construction of Carylâ€“CalkynylBond from Copper-Mediated Areneâ€“Alkyne and Aryl Iodideâ€“Alkyne Cross-Coupling Reactions: A Common Aryl-CuIIIIntermediate in Arene Câ€“H Activation and Castroâ€“Stephens Reaction. Organic Letters, 2012, 14, 1472-1475.	2.4	53
62	Synthesis of 1,3,5-alternate azacalix[3]pyridine[3]pyrimidine and its complexation with fullerenes via multiple Ï€/Ï€ and CH/Ï€ interactions. Chemical Communications, 2011, 47, 9690.	2.2	52
63	Mechanistic Study on Cu(II)-Catalyzed Oxidative Cross-Coupling Reaction between Arenes and Boronic Acids under Aerobic Conditions. Journal of the American Chemical Society, 2018, 140, 5579-5587.	6.6	52
64	Catalytic Enantioselective Synthesis and Switchable Chiroptical Property of Inherently Chiral Macrocycles. Journal of the American Chemical Society, 2020, 142, 14432-14436.	6.6	52
65	Anion-directed assembly of a rectangular supramolecular cage in the solid state with electron-deficient phenoxylated oxacalix[2]arene[2]triazine. Chemical Communications, 2012, 48, 11458.	2.2	51
66	Carylâ€“Calkyl bond formation from Cu(ClO4)2-mediated oxidative cross coupling reaction between arenes and alkyllithium reagents through structurally well-defined Arâ€“Cu(iii) intermediates. Chemical Communications, 2012, 48, 9418.	2.2	51
67	Synthesis and Structure of Oxacalix[2]arene[2]triazines of an Expanded Ï€-Electron-Deficient Cavity and Their Interactions with Anions. Journal of Organic Chemistry, 2012, 77, 1860-1867.	1.7	50
68	Enzymatic desymmetrization of 3-alkyl- and 3-arylglutaronitriles, a simple and convenient approach to optically active 4-amino-3-phenylbutanoic acids. Tetrahedron: Asymmetry, 2002, 12, 3367-3373.	1.8	49
69	Synthesis and Functionalization of Heteroatom-Bridged Bicyclocalixaromatics, Large Molecular Triangular Prisms with Electron-Rich and -Deficient Aromatic Interiors. Journal of Organic Chemistry, 2011, 76, 1804-1813.	1.7	49
70	Zigzag Hydrocarbon Belts. CCS Chemistry, 2021, 3, 916-931.	4.6	49
71	Nitrile Biotransformations for Highly Efficient and Enantioselective Syntheses of Electrophilic Oxiranecarboxamides. Journal of Organic Chemistry, 2003, 68, 4570-4573.	1.7	48
72	Nitrile biotransformations for the synthesis of enantiomerically enriched Baylisâ€“Hillman adducts. Organic and Biomolecular Chemistry, 2003, 1, 535-540.	1.5	48

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73	Synthesis, Structure, and Anion Binding Properties of Electronâ€Deficient Tetrahomocorona[4]arenes: Shape Selectivity in Anionâ€“Ï€ Interactions. Angewandte Chemie - International Edition, 2018, 57, 6536-6540.	7.2	48
74	En route to inherently chiral tetraoxacalix[2]arene[2]triazines. Tetrahedron, 2007, 63, 10801-10808.	1.0	47
75	Synthesis of 2,3-Dihydro-1H-azepine and 1H-Azepin-2(3H)-one Derivatives From Intramolecular Condensation between Stable Tertiary Enamides and Aldehydes. Journal of Organic Chemistry, 2015, 80, 12047-12057.	1.7	47
76	Synthesis of (NH)_m(NMe)_{4â^'m}-Bridged Calix[4]pyridines and the Effect of NH Bridge on Structure and Properties. Journal of Organic Chemistry, 2009, 74, 8595-8603.	1.7	46
77	Nitrile Biotransformations for Highly Enantioselective Synthesis of Oxiranecarboxamides with Tertiary and Quaternary Stereocenters; Efficient Chemoenzymatic Approaches to Enantiopure Î±-Methylated Serine and Isoserine Derivatives. Journal of Organic Chemistry, 2005, 70, 2439-2444.	1.7	45
78	Construction of Hydrocarbon Nanobelts. Angewandte Chemie - International Edition, 2020, 59, 7700-7705.	7.2	45
79	Enantioselective synthesis of chiral cyclopropane compounds through microbial transformations of trans-2-arylcyclopropanecarbonitriles. Tetrahedron Letters, 2000, 41, 6501-6505.	0.7	44
80	Synthesis, Structure, and Functionalization of Homo Heterocalix[2]arene[2]triazines: Versatile Conformation and Cavity Structures Regulated by the Bridging Elements. Journal of Organic Chemistry, 2010, 75, 3786-3796.	1.7	44
81	A novel approach to enantiopure cyclopropane compounds from biotransformation of nitrilesElectronic supplementary information (ESI) available: preparation of racemic nitrile, amides and acids; spectroscopic data of racemic nitriles; biotransformation of racemic amides; chiral HPLC analyses of nitriles, amides, acids and amines. See http://www.rsc.org/suppdata/nj/b2/b200110a/. New Journal of Chemistry, 2002, 26, 1575-1583.	1.4	42
82	Highly enantioselective biotransformations of 2-aryl-4-pentenenitriles, a novel chemoenzymatic approach to (R)-(â^')-baclofen. Tetrahedron Letters, 2002, 43, 6617-6620.	0.7	42
83	Nitrile Biotransformation for Highly Enantioselective Synthesis of 3-Substituted 2,2-Dimethylcyclopropanecarboxylic Acids and Amides. Journal of Organic Chemistry, 2003, 68, 621-624.	1.7	42
84	Highly Efficient and Enantioselective Biotransformations of Racemic Azetidine-2-carbonitriles and Their Synthetic Applications. Journal of Organic Chemistry, 2009, 74, 6077-6082.	1.7	42
85	Cu(OTf)₂-Catalyzed Selective Arene Câ€“H Bond Hydroxylation and Nitration with KNO₂ as an Ambident O- and N-Nucleophile via a Cu(II)â€“Cu(III)â€“Cu(I) Mechanism. Organic Letters, 2013, 15, 3836-3839.	2.4	42
86	Designing a Cu(II)â€“ArCu(II)â€“ArCu(III)â€“Cu(I) Catalytic Cycle: Cu(II)-Catalyzed Oxidative Arene Câ€“H Bond Azidation with Air as an Oxidant under Ambient Conditions. Journal of Organic Chemistry, 2014, 79, 11139-11145.	1.7	42
87	Synthesis, Structure, and Fullerene-Complexing Property of Azacalix[6]aromatics. Journal of Organic Chemistry, 2014, 79, 3559-3571.	1.7	42
88	Synthesis, Structure, and Molecular Recognition of S₆â€•and (SO₂)₆â€Corona[6](het)arenes: Control of Macrocyclic Conformation and Properties by the Oxidation State of the Bridging Heteroatoms. Chemistry - A European Journal, 2016, 22, 6947-6955.	1.7	42
89	Highly selective complexation of metal ions by the self-tuning tetraazacalixpyridine macrocycles. Tetrahedron, 2009, 65, 87-92.	1.0	41
90	Corona[5]arenes Accessed by a Macrocycleâ€toâ€Macrocycle Transformation Route and a Oneâ€Pot Threeâ€Component Reaction. Angewandte Chemie - International Edition, 2017, 56, 7151-7155.	7.2	41

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91	Synthesis of enantiomerically enriched (S)-(+)-2-aryl-4-pentenoic acids and (R)-(â˜)-2-aryl-4-pentenamides via microbial hydrolysis of nitriles, a chemoenzymatic approach to stereoisomers of Î±,Î³-disubstituted Î³-butyrolactones. Tetrahedron: Asymmetry, 2002, 13, 1695-1702.	1.8	40
92	Efficient Biocatalytic Synthesis of Highly EnantiopureÎ±-Alkylated Arylglycines and Amides. Advanced Synthesis and Catalysis, 2004, 346, 439-445.	2.1	40
93	Synthesis and Highly Selective Bromination of Azacalix[4]pyrimidine Macrocycles. Journal of Organic Chemistry, 2010, 75, 741-747.	1.7	40
94	Silverâ€Catalyzed Threeâ€Component 1,1â€Aminoacylation of Homopropargylamines: Î±â€Additions for Both Terminal Alkynes and Isocyanides. Angewandte Chemie - International Edition, 2017, 56, 7958-7962.	7.2	40
95	Microbial desymmetrization of 3-arylglutaronitriles, an unusual enhancement of enantioselectivity in the presence of additives. Tetrahedron Letters, 2000, 41, 8549-8552.	0.7	39
96	Structural Diversity in Coordination Self-Assembled Networks of a Multimodal Ligand Azacalix[4]pyrazine. Inorganic Chemistry, 2012, 51, 3860-3867.	1.9	39
97	Switchable [3+2] and [4+2] Heteroannulation of Primary Propargylamines with Isonitriles to Imidazoles and 1,6â€Dihydropyrimidines: Catalyst Loading Enabled Reaction Divergence. Chemistry - A European Journal, 2016, 22, 8332-8338.	1.7	38
98	An Unusual Î²-Vinyl Effect Leading to High Efficiency and Enantioselectivity of the Amidase, Nitrile Biotransformations for the Preparation of Enantiopure 3-Arylpent-4-enoic Acids and Amides and Their Applications in Synthesis. Journal of Organic Chemistry, 2006, 71, 9532-9535.	1.7	37
99	Highly efficient construction of large molecular cavity using 1,3-alternate tetraoxacalix[2]arene[2]triazine as a platform. Chemical Communications, 2008, , 3864.	2.2	37
100	Synthesis, Resolution, Structure, and Racemization of Inherently Chiral 1,3-Alternate Azacalix[4]pyrimidines: Quantification of Conformation Mobility. Journal of Organic Chemistry, 2014, 79, 2178-2188.	1.7	37
101	Enzymatic synthesis of optically active 2-methyl- and 2,2-dimethylcyclopropanecarboxylic acids and their derivatives. Journal of Molecular Catalysis B: Enzymatic, 2002, 18, 267-272.	1.8	36
102	Synthesis, Structure, and Reactions of NH-Bridged Calix[m]arene[n]pyridines. Journal of Organic Chemistry, 2009, 74, 5361-5368.	1.7	36
103	Fluorophores for Excitedâ€State Intramolecular Proton Transfer by an Yttrium Triflate Catalyzed Reaction of Isocyanides with Thiocarboxylic Acids. Angewandte Chemie - International Edition, 2017, 56, 6599-6603.	7.2	36
104	Nitrile and Amide Biotransformations for Efficient Synthesis of Enantiopure gem-Dihalocyclopropane Derivatives. Advanced Synthesis and Catalysis, 2003, 345, 695-698.	2.1	35
105	Synthesis of high enantiomeric purity gem-dihalocyclopropane derivatives from biotransformations of nitriles and amides. Tetrahedron: Asymmetry, 2004, 15, 347-354.	1.8	34
106	Nitrile and Amide Biotransformations for the Synthesis of Enantiomerically Pure 3-Arylaziridine-2-carboxamide Derivatives and Their Stereospecific Ring-Opening Reactions. Journal of Organic Chemistry, 2007, 72, 9391-9394.	1.7	34
107	Synthesis of Multifunctionalized 1,2,3,4â€Tetrahydropyridines, 2,3â€Dihydropyridinâ€4(1H)â€ones, and Pyridines from Tandem Reactions Initiated by [5+1] Cycloaddition of Nâ€Formylmethylâ€Substituted Enamides to Isocyanides: Mechanistic Insight and Synthetic Application. Chemistry - A European Journal, 2013, 19, 16981-16987.	1.7	34
108	Synthesis of diverse di- to penta-substituted 1,2-dihydropyridine derivatives from gold(I)-catalyzed intramolecular addition of tertiary enamides to alkynes. Tetrahedron Letters, 2015, 56, 3898-3901.	0.7	34

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109	O₆-Corona[6]arenes with Expanded Cavities for Specific Complexation with C₇₀. Organic Letters, 2017, 19, 1590-1593.	2.4	32
110	Synthesis of 4-amino-1,2,3,4-tetrahydropyridine derivatives by intramolecular nucleophilic addition of tertiary enamides to in-situ generated imines. Tetrahedron, 2012, 68, 6492-6497.	1.0	31
111	Lewis acid catalyst-steered divergent synthesis of functionalized vicinal amino alcohols and pyrroles from tertiary enamides. Organic Chemistry Frontiers, 2018, 5, 3138-3142.	2.3	31
112	Dramatic Enhancement of Enantioselectivity of Biotransformations of Î²-Hydroxy Nitriles Using a SimpleO-Benzyl Protection/Docking Group. Organic Letters, 2006, 8, 3231-3234.	2.4	30
113	Synthesis of trifluoromethylthiolated azacalix[1]arene[3]pyridines from the Cu(<scp>ii</scp>)-mediated direct trifluoromethylthiolation reaction of arenes via reactive arylcopper(<scp>iii</scp>) intermediates. Organic Chemistry Frontiers, 2016, 3, 880-886.	2.3	30
114	Synthesis, Structure, and Properties of Corona[6]arenes and Their Assembly with Anions in the Crystalline State. Journal of Organic Chemistry, 2018, 83, 1502-1509.	1.7	30
115	Synthesis of optically active Î±-methylamino acids and amides through biocatalytic kinetic resolution of amides. Tetrahedron: Asymmetry, 2005, 16, 2409-2416.	1.8	29
116	Remarkable Electronic and Steric Effects in the Nitrile Biotransformations for the Preparation of Enantiopure Functionalized Carboxylic Acids and Amides:Â Implication for an Unsaturated Carbonâ^'Carbon Bond Binding Domain of the Amidase. Journal of Organic Chemistry, 2007, 72, 6060-6066.	1.7	29
117	Immobilization of Rhodococcus sp. AJ270 in alginate capsules and its application in enantioselective biotransformation of trans-2-methyl-3-phenyl-oxiranecarbonitrile and amide. Enzyme and Microbial Technology, 2006, 39, 1-5.	1.6	28
118	Synthesis and Structure of Corona[6](het)arenes Containing Mixed Bridge Units. Organic Letters, 2016, 18, 2668-2671.	2.4	28
119	Oxygenâ€•and Nitrogenâ€Embedded Zigzag Hydrocarbon Belts. Angewandte Chemie - International Edition, 2020, 59, 23649-23658.	7.2	28
120	Progress of Enantioselective Nitrile Biotransformations in Organic Synthesis. Chimia, 2009, 63, 331.	0.3	26
121	Intramolecular Arylation of Tertiary Enamides through Pd(OAc)₂-Catalyzed Dehydrogenative Cross-Coupling Reaction: Construction of Fused N-Heterocyclic Scaffolds and Synthesis of Isoindolobenzazepine Alkaloids. Journal of Organic Chemistry, 2019, 84, 2870-2878.	1.7	26
122	Synthesis and Application of Enantioenriched Functionalized Î±-Tetrasubstituted Î±-Amino Acids from Biocatalytic Desymmetrization of Prochiral Î±-Aminomalonamides. Journal of Organic Chemistry, 2012, 77, 5584-5591.	1.7	25
123	Synthesis of iâ€Corona[6]arenes for Selective Anion Binding: Interdependent and Synergistic Anionâ€“Ï€ and Hydrogenâ€Bond Interactions. Angewandte Chemie - International Edition, 2020, 59, 23716-23723.	7.2	25
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