

You-Quan Zou

List of Publications by Year in descending order

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39
papers

4,944
citations

172386

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265120

42
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59
all docs

59
docs citations

59
times ranked

4450
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in the Synthesis of Cyclobutanes by Olefin [2+2] Photocycloaddition Reactions. <i>Chemical Reviews</i> , 2016, 116, 9748-9815.	23.0	753
2	Visible-Light-Induced Organic Photochemical Reactions through Energy-Transfer Pathways. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1586-1604.	7.2	739
3	Highly Efficient Aerobic Oxidative Hydroxylation of Arylboronic Acids: Photoredox Catalysis Using Visible Light. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 784-788.	7.2	442
4	Visible-Light-Induced Oxidation/[3+2] Cycloaddition/Oxidative Aromatization Sequence: A Photocatalytic Strategy To Construct Pyrrolo[2,1 <i>a</i>]isoquinolines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7171-7175.	7.2	390
5	Metal-organic cages for molecular separations. <i>Nature Reviews Chemistry</i> , 2021, 5, 168-182.	13.8	227
6	Iminium and enamine catalysis in enantioselective photochemical reactions. <i>Chemical Society Reviews</i> , 2018, 47, 278-290.	18.7	218
7	Visible light induced intermolecular [2+2]-cycloaddition reactions of β -ylideneoxindoles through energy transfer pathway. <i>Tetrahedron</i> , 2012, 68, 6914-6919.	1.0	142
8	An organocatalytic Michael-aldol cascade: formal [3+2] annulation to construct enantioenriched spirocyclic oxindole derivatives. <i>Chemical Communications</i> , 2012, 48, 5160.	2.2	139
9	Mit sichtbarem Licht induzierte, organische photochemische Reaktionen über Energietransferrouten. <i>Angewandte Chemie</i> , 2019, 131, 1600-1619.	1.6	137
10	Three-Component Coupling Reaction Triggered by Insertion of Arynes into the S=O Bond of DMSO. <i>Organic Letters</i> , 2014, 16, 3768-3771.	2.4	134
11	Ethylene glycol as an efficient and reversible liquid-organic hydrogen carrier. <i>Nature Catalysis</i> , 2019, 2, 415-422.	16.1	102
12	Hydrogenative Depolymerization of Nylons. <i>Journal of the American Chemical Society</i> , 2020, 142, 14267-14275.	6.6	101
13	Highly Selective, Efficient Deoxygenative Hydrogenation of Amides Catalyzed by a Manganese Pincer Complex via Metal-Ligand Cooperation. <i>ACS Catalysis</i> , 2018, 8, 8014-8019.	5.5	100
14	Novel thiourea-amine bifunctional catalysts for asymmetric conjugate addition of ketones/aldehydes to nitroalkenes: rational structural combination for high catalytic efficiency. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1275.	1.5	79
15	Highly Enantioselective Organocatalytic Michael Addition/Cyclization Cascade Reaction of Ylideneoxindoles with Isothiocyanato Oxindoles: A Formal [3+2] Cycloaddition Approach to Optically Active Bisprirooxindole Derivatives. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2071-2075.	1.2	72
16	Homogeneous Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11701-11703.	7.2	71
17	Direct sp ³ C-H acroleination of N-aryl-tetrahydroisoquinolines by merging photoredox catalysis with nucleophilic catalysis. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2037-2040.	1.5	60
18	De Novo Synthesis of Imidazoles by Visible-Light-Induced Photocatalytic Aerobic Oxidation/[3+2] Cycloaddition/Aromatization Cascade. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2432-2435.	1.7	56

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19	Highly enantioselective Michael addition of aldehydes to nitroolefins catalyzed by primary amine thiourea organocatalysts. <i>Tetrahedron</i> , 2010, 66, 5367-5372.	1.0	49
20	Visible-light-induced photocatalytic formyloxylations reactions of 3-bromooxindoles with water and DMF: the scope and mechanism. <i>Green Chemistry</i> , 2014, 16, 3787-3795.	4.6	47
21	Visible Light-Induced Aerobic Oxyamidation of Indoles: A Photocatalytic Strategy for the Preparation of Tetrahydro-5 <i>H</i> -indolo[2,3- <i>b</i>]quinolinols. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1483-1489.	2.1	46
22	Highly Efficient Route to Functionalized Tetrahydrocarbazoles Using a Tandem Cross-Metathesis/Intramolecular-Hydroarylation Sequence. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2258-2265.	1.7	42
23	Pyrrolidinyl-sulfamide derivatives as a new class of bifunctional organocatalysts for direct asymmetric Michael addition of cyclohexanone to nitroalkenes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5280.	1.5	42
24	Phototandem Catalysis: Efficient Synthesis of 3-Ester-3-hydroxy-2-oxindoles by a Visible Light-Induced Cyclization of Diazoamides through an Aerobic Oxidation Sequence. <i>Chemistry - an Asian Journal</i> , 2015, 10, 124-128.	1.7	39
25	A Thioxanthone Sensitizer with a Chiral Phosphoric Acid Binding Site: Properties and Applications in Visible Light-Mediated Cycloadditions. <i>Chemistry - A European Journal</i> , 2020, 26, 5190-5194.	1.7	36
26	Recent Advances in Enantioselective Photochemical Reactions of Stabilized Diazo Compounds. <i>Molecules</i> , 2019, 24, 3191.	1.7	35
27	Sterics and Hydrogen Bonding Control Stereochemistry and Self-Sorting in BINOL-Based Assemblies. <i>Journal of the American Chemical Society</i> , 2021, 143, 9009-9015.	6.6	35
28	Cages meet gels: Smart materials with dual porosity. <i>Matter</i> , 2021, 4, 2123-2140.	5.0	30
29	Synthesis of oxalamides by acceptorless dehydrogenative coupling of ethylene glycol and amines and the reverse hydrogenation catalyzed by ruthenium. <i>Chemical Science</i> , 2020, 11, 7188-7193.	3.7	23
30	Homogeneous Reforming of Aqueous Ethylene Glycol to Glycolic Acid and Pure Hydrogen Catalyzed by Pincer-Ruthenium Complexes Capable of Metal-Ligand Cooperation. <i>Chemistry - A European Journal</i> , 2021, 27, 4715-4722.	1.7	22
31	Aerobic oxidative C-B bond cleavage of arylboronic acids mediated by methylhydrazines. <i>Organic Chemistry Frontiers</i> , 2014, 1, 151.	2.3	21
32	Efficient Synthesis of Dihydropyrazoles by Halocyclization of 2,3-Unsaturated Hydrazones. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3082-3086.	1.2	20
33	Manganese-Pincer-Catalyzed Nitrile Hydration, α -Deuteration, and β -Deuterated Amide Formation via Metal Ligand Cooperation. <i>ACS Catalysis</i> , 2021, 11, 10239-10245.	5.5	17
34	A Reversible Liquid-to-Liquid Organic Hydrogen Carrier System Based on Ethylene Glycol and Ethanol. <i>Chemistry - A European Journal</i> , 2020, 26, 15487-15490.	1.7	16
35	Enantioselective Synthesis of Highly Substituted Chromans by a Zinc(II)-Catalyzed Tandem Friedel-Crafts Alkylation/Michael Addition Reaction. <i>Synthesis</i> , 2013, 45, 601-608.	1.2	7
36	Hydrolysis of Twisted Amides inside a Self-Assembled Coordination Cage. <i>CheM</i> , 2020, 6, 1217-1218.	5.8	5

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37	Phosphine-Catalyzed [3+2] Cycloadditions of 2-Phenyl-4-Arylidene-5(4H)-Oxazolones with Allenolate: A Concise Synthesis of Aspartic Acid Analogues. <i>Synlett</i> , 2011, 2011, 1000-1004.	1.0	2
38	Highly Selective Asymmetric Hydrogenation of Oximes to Hydroxylamine Derivatives. <i>CheM</i> , 2020, 6, 1517-1519.	5.8	2
39	Multicomponent cross coupling via synergistic photoredox and copper catalysis. <i>Science Bulletin</i> , 2020, 65, 1516-1518.	4.3	2