

Tao Chen

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,469
citations

279798

23
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315739

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all docs

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docs citations

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times ranked

1833
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Reactivities toward Amines by Introducing an Imine Arm to the Pincer Ligand: Direct Coupling of Two Amines To Form an Imine Without Oxidant. <i>Organometallics</i> , 2012, 31, 5208-5211.	2.3	123
2	Chiral Guanidinium Salt Catalyzed Enantioselective Phospha ϵ Mannich Reactions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7387-7390.	13.8	114
3	Axially Chiral NHC \sim Pd(II) Complexes in the Oxidative Kinetic Resolution of Secondary Alcohols Using Molecular Oxygen as a Terminal Oxidant. <i>Organic Letters</i> , 2007, 9, 865-868.	4.6	101
4	A KH-Domain RNA-Binding Protein Interacts with FIERY2/CTD Phosphatase-Like 1 and Splicing Factors and Is Important for Pre-mRNA Splicing in Arabidopsis. <i>PLoS Genetics</i> , 2013, 9, e1003875.	3.5	88
5	Efficient transfer hydrogenation reaction Catalyzed by a dearomatized PN3P ruthenium pincer complex under base-free Conditions. <i>Journal of Organometallic Chemistry</i> , 2012, 700, 202-206.	1.8	81
6	A novel tridentate NHC \sim Pd(II) complex and its application in the Suzuki and Heck-type cross-coupling reactions. <i>Tetrahedron</i> , 2006, 62, 6289-6294.	1.9	79
7	Hydrogenation of Esters Catalyzed by Ruthenium PN ³ -Pincer Complexes Containing an Aminophosphine Arm. <i>Organometallics</i> , 2014, 33, 4152-4155.	2.3	74
8	The RNA-binding protein HOS5 and serine/arginine-rich proteins RS40 and RS41 participate in miRNA biogenesis in Arabidopsis. <i>Nucleic Acids Research</i> , 2015, 43, 8283-8298.	14.5	67
9	Intelligent Textiles with Comfort Regulation and Inhibition of Bacterial Adhesion Realized by Cross-Linking Poly(<i>n</i> -isopropylacrylamide-co- <i>i</i> -ethylene glycol methacrylate) to Cotton Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13647-13656.	8.0	62
10	Synthesis of new NHC \sim rhodium and iridium complexes derived from 2,2 ϵ -diaminobiphenyl and their catalytic activities toward hydrosilylation of ketones. <i>Tetrahedron</i> , 2007, 63, 4874-4880.	1.9	54
11	Homocoupling of benzyl halides catalyzed by POCOP \sim nickel pincer complexes. <i>Tetrahedron</i> , 2012, 68, 6152-6157.	1.9	45
12	Ruthenium(II) pincer complexes with oxazoline arms for efficient transfer hydrogenation reactions. <i>Tetrahedron Letters</i> , 2012, 53, 4409-4412.	1.4	44
13	Polymerization of 1,3-butadiene catalyzed by pincer cobalt(II) complexes derived from 2-(1-arylimino)-6-(pyrazol-1-yl)pyridine ligands. <i>Applied Catalysis A: General</i> , 2013, 464-465, 35-42.	4.3	39
14	Ethylene polymerization by PN3-type pincer chromium(III) complexes. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 100-107.	4.8	39
15	Synthesis and Thermosensitive Behavior of Polyacrylamide Copolymers and Their Applications in Smart Textiles. <i>Polymers</i> , 2015, 7, 909-920.	4.5	39
16	Indole-Catalyzed Bromolactonization in Lipophilic Solvent: A Solid ϵ Liquid Phase Transfer Approach. <i>ACS Catalysis</i> , 2015, 5, 4751-4755.	11.2	37
17	A Green Approach to Ethyl Acetate: Quantitative Conversion of Ethanol through Direct Dehydrogenation in a Pd \sim Ag Membrane Reactor. <i>Chemistry - A European Journal</i> , 2012, 18, 15940-15943.	3.3	33
18	Kinetic Evidence of an Apparent Negative Activation Enthalpy in an Organocatalytic Process. <i>Scientific Reports</i> , 2013, 3, 2557.	3.3	33

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19	Selective formation of bicyclic guanidinium chloride complexes: implication of the bifunctionality of guanidines. <i>Tetrahedron Letters</i> , 2009, 50, 1560-1562.	1.4	29
20	Tunable regioselectivity in 1,3-butadiene polymerization by using 2,6-bis(dimethyl-2-oxazolin-2-yl)pyridine incorporated transition metal (Cr, Fe and Co) catalysts. <i>Journal of Molecular Catalysis A</i> , 2015, 406, 78-84.	4.8	26
21	Trifluoroacetic acid catalyzed highly regioselective bromocyclization of styrene-type carboxylic acid. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4571-4575.	2.8	25
22	Temperature responsive polymer-supported TEMPO: An efficient and recoverable catalyst for the selective oxidation of alcohols. <i>Tetrahedron Letters</i> , 2019, 60, 419-422.	1.4	24
23	Synthesis of Cyclopropanes via 1,3-Migration of Acyloxy Groups Triggered by Formation of σ -Imino Rhodium Carbenes. <i>Organic Letters</i> , 2020, 22, 5163-5169.	4.6	24
24	The Arabidopsis gene DIG6 encodes a large 60S subunit nuclear export GTPase 1 that is involved in ribosome biogenesis and affects multiple auxin-regulated development processes. <i>Journal of Experimental Botany</i> , 2015, 66, 6863-6875.	4.8	21
25	The RNA Polymerase II C-Terminal Domain Phosphatase-Like Protein FIERY2/CPL1 Interacts with eIF4AIII and Is Essential for Nonsense-Mediated mRNA Decay in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 770-785.	6.6	21
26	Highly efficient polymer-based nanoreactors for selective oxidation of alcohols in water. <i>Molecular Catalysis</i> , 2019, 474, 110422.	2.0	17
27	TEMPO-Functionalized Nanoreactors from Bottlebrush Copolymers for the Selective Oxidation of Alcohols in Water. <i>Journal of Organic Chemistry</i> , 2021, 86, 8027-8035.	3.2	17
28	Thermoresponsive polymers based on oligo(ethylene glycol) methyl ether methacrylate and modified substrates with thermosensitivity. <i>Macromolecular Research</i> , 2017, 25, 206-213.	2.4	15
29	Comparative study of cross-linked and linear thermo-responsive carriers supported palladium nanoparticles in the reduction of 4-nitrophenol: Structure, catalytic activity and responsive catalysis property. <i>Reactive and Functional Polymers</i> , 2019, 142, 104-111.	4.1	12
30	Synthesis of zinc(II) complex-containing thermo-responsive copolymer based on activated ester functionalization and its catalysis application. <i>European Polymer Journal</i> , 2018, 109, 473-482.	5.4	10
31	Recyclable DMAP-Functionalized polymeric nanoreactors for highly efficient acylation of alcohols in aqueous systems. <i>Polymer</i> , 2021, 222, 123660.	3.8	7
32	Self-Assembled Catalytic Nanoreactors from Molecular Brushes by Utilizing Postpolymerization Modification for Catalyst Attachment. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1411-1421.	4.4	7
33	Environmentally benign synthesis of amides and ureas via catalytic dehydrogenation coupling of volatile alcohols and amines in a Pd-Ag membrane reactor. <i>Journal of Membrane Science</i> , 2016, 515, 212-218.	8.2	6
34	Fabrication of Nanoreactors Based on End-Functionalized Polymethacrylate and Their Catalysis Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4569-4577.	3.7	6
35	Synthesis, crystal structure and reactivity studies of iron complexes with pybox ligands. <i>Inorganica Chimica Acta</i> , 2014, 423, 320-325.	2.4	5
36	Triphenylphosphine-Containing Thermo-Responsive Copolymers: Synthesis, Characterization and Catalysis Application. <i>Macromolecular Research</i> , 2019, 27, 931-937.	2.4	4

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37	Amino-acid-substituted polyacetylene-based chiral core-shell microspheres: helix structure induction and application for chiral resolution and adsorption. <i>Polymer Chemistry</i> , 2021, 12, 6404-6416.	3.9	4
38	Grob-type fragmentation of an oxonium ylide generated from λ^5 -imino rhodium carbene. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6371-6376.	4.5	4
39	The Impact of In-situ Fabric Surface Energy on Dehydration of Fabrics. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 397-403.	2.1	2
40	Effects of Spacer Length on the Surface Properties of Cationic Gemini Fluorosurfactants. <i>Key Engineering Materials</i> , 2015, 671, 210-216.	0.4	2
41	Thermo-responsive Textiles. , 2015, , 919-951.		1
42	Facile one-step fabrication of DMAP-functionalized catalytic nanoreactors by polymerization-induced self-assembly in water. <i>Molecular Catalysis</i> , 2022, 518, 112073.	2.0	1