

Huining Chai

List of Publications by Year in descending order

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19
papers

571
citations

687363

13
h-index

794594

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19
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances on DNAzyme-Based Biosensors for Detection of Uranyl. <i>Frontiers in Chemistry</i> , 2022, 10, 882250.	3.6	4
2	Magnetic zirconium-based Prussian blue analog nanozyme: enhanced peroxidase-mimicking activity and colorimetric sensing of phosphate ion. <i>Mikrochimica Acta</i> , 2022, 189, 220.	5.0	13
3	Porphyritic metal-organic framework@alumina nanocomposite fluorescent probe: Two-stage stimuli-responsive behavior and phosphate sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 370, 132395.	7.8	15
4	Two-Dimensional Metalloporphyrinic Framework Nanosheet-Based Dual-Mechanism-Driven Ratiometric Electrochemiluminescent Biosensing of Protein Kinase Activity. <i>ACS Applied Bio Materials</i> , 2021, 4, 1616-1623.	4.6	24
5	Flexible Biosensors Based on Colorimetry, Fluorescence, and Electrochemistry for Point-of-Care Testing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 753692.	4.1	26
6	Recent Advances in Metal-Organic Framework-Based Electrochemical Biosensing Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 797067.	4.1	13
7	A Highly Selective Manganese-Catalyzed Synthesis of Imines under Phosphine-Free Conditions. <i>Organometallics</i> , 2020, 39, 217-226.	2.3	23
8	A robust NNP-type ruthenium (II) complex for alcohols dehydrogenation to esters and pyrroles. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5367.	3.5	5
9	Sustainable synthesis of quinolines (pyridines) catalyzed by a cheap metal Mn(I)-NN complex catalyst. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5685.	3.5	8
10	Cationic metal-organic framework based mixed-matrix membrane for extraction of phenoxy carboxylic acid (PCA) herbicides from water samples followed by UHPLC-MS/MS determination. <i>Journal of Hazardous Materials</i> , 2020, 394, 122556.	12.4	81
11	Zirconium-Metalloporphyrin Frameworks-Luminol Competitive Electrochemiluminescence for Ratiometric Detection of Polynucleotide Kinase Activity. <i>Analytical Chemistry</i> , 2020, 92, 7354-7362.	6.5	79
12	Acceptorless Dehydrogenation of <i>N</i> -Heterocycles and Secondary Alcohols by Ru(II)-NNC Complexes Bearing a Pyrazoyl-indolyl-pyridine Ligand. <i>Organometallics</i> , 2018, 37, 584-591.	2.3	68
13	Cooperative N-H and CH ₂ Skeleton Effects on the Catalytic Activities of Bimetallic Ru(II)-NNN Complexes: Experimental and Theoretical Study. <i>Organometallics</i> , 2017, 36, 4268-4277.	2.3	7
14	NHTs Effect on the Enantioselectivity of Ru(II) Complex Catalysts Bearing a Chiral Bis(NHTs)-Substituted Imidazolyl-Oxazolanyl-Pyridine Ligand for Asymmetric Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2017, 36, 4136-4144.	2.3	23
15	Dimeric Ruthenium(II)-NNN Complex Catalysts Bearing a Pyrazolyl-Pyridylamino-Pyridine Ligand for Transfer Hydrogenation of Ketones and Acceptorless Dehydrogenation of Alcohols. <i>Organometallics</i> , 2017, 36, 3638-3644.	2.3	34
16	A Versatile Ru(II)-NNP Complex Catalyst for the Synthesis of Multisubstituted Pyrroles and Pyridines. <i>Organometallics</i> , 2017, 36, 4936-4942.	2.3	37
17	Exceptionally Active Assembled Dinuclear Ruthenium(II)-NNN Complex Catalysts for Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2017, 36, 2914-2921.	2.3	35
18	Diruthenium(μ -NNN) pincer complex catalysts for transfer hydrogenation of ketones. <i>Dalton Transactions</i> , 2016, 45, 17843-17849.	3.3	31

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19	Substituent Effect on the Catalytic Activity of Ruthenium(II) Complexes Bearing a Pyridyl-Supported Pyrazolyl-Imidazolyl Ligand for Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2015, 34, 5278-5284.	2.3	45