

Hussein A Younus

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6472347/publications.pdf>

Version: 2024-02-01

42
papers

2,958
citations

304743

22
h-index

243625

44
g-index

50
all docs

50
docs citations

50
times ranked

4696
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks: versatile heterogeneous catalysts for efficient catalytic organic transformations. <i>Chemical Society Reviews</i> , 2015, 44, 6804-6849.	38.1	1,190
2	Metal-organic molecular cages: applications of biochemical implications. <i>Chemical Society Reviews</i> , 2015, 44, 9-25.	38.1	310
3	Discrete metal-carboxylate self-assembled cages: Design, synthesis and applications. <i>Coordination Chemistry Reviews</i> , 2014, 280, 1-27.	18.8	164
4	Ruthenium Pincer Complexes: Synthesis and Catalytic Applications. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 283-330.	4.3	133
5	Ruthenium pincer complexes: Ligand design and complex synthesis. <i>Coordination Chemistry Reviews</i> , 2014, 276, 112-152.	18.8	129
6	Fuel economy in gasoline engines using Al ₂ O ₃ /TiO ₂ nanomaterials as nanolubricant additives. <i>Applied Energy</i> , 2018, 211, 461-478.	10.1	126
7	Synthesis of 2D MOF having potential for efficient dye adsorption and catalytic applications. <i>Catalysis Science and Technology</i> , 2018, 8, 4010-4017.	4.1	90
8	Synthesis of a 2D copper(II)-carboxylate framework having ultrafast adsorption of organic dyes. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 43-54.	9.4	61
9	Earth-abundant metal complexes as catalysts for water oxidation; is it homogeneous or heterogeneous?. <i>Catalysis Science and Technology</i> , 2015, 5, 4901-4925.	4.1	55
10	Phase-junction Ag/TiO ₂ nanocomposite as photocathode for H ₂ generation. <i>Journal of Materials Science and Technology</i> , 2021, 83, 179-187.	10.7	52
11	A Robust Molecular Catalyst Generated In-situ for Photo- and Electrochemical Water Oxidation. <i>ChemSusChem</i> , 2017, 10, 862-875.	6.8	43
12	Highly active dinuclear cobalt complexes for solvent-free cycloaddition of CO ₂ to epoxides at ambient pressure. <i>Chemical Communications</i> , 2019, 55, 8274-8277.	4.1	40
13	New Insight into the Confinement Effect of Microporous Carbon in Li/Se Battery Chemistry: A Cathode with Enhanced Conductivity. <i>Small</i> , 2020, 16, e2000266.	10.0	40
14	O-Doping Boosts the Electrochemical Oxygen Reduction Activity of a Single Fe Site in Hydrophilic Carbon with Deep Mesopores. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45825-45831.	8.0	37
15	ONO pincer type ligand complexes of Al(III) as efficient catalyst for chemical fixation of CO ₂ to epoxides at atmospheric pressure. <i>Journal of Catalysis</i> , 2019, 377, 190-198.	6.2	34
16	Effect of synthesized mustard soap on the scheelite surface during flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 548, 108-116.	4.7	32
17	Constructing a 3D compact sulfur host based on carbon-nanotube threaded defective Prussian blue nanocrystals for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1154-1163.	10.3	32
18	Development of Mixed metal Metal-organic polyhedra networks, colloids, and MOFs and their Pharmacokinetic applications. <i>Scientific Reports</i> , 2017, 7, 832.	3.3	28

#	ARTICLE	IF	CITATIONS
19	An overview of the characteristics of advanced binders for high-performance Li ⁺ S batteries. <i>Nano Materials Science</i> , 2020, , .	8.8	28
20	Chemical fixation of carbon dioxide catalyzed via cobalt (III) ONO pincer ligated complexes. <i>Communications Chemistry</i> , 2019, 2, .	4.5	26
21	Triazole based cobalt catalyst for CO ₂ insertion into epoxide at ambient pressure. <i>Applied Catalysis A: General</i> , 2020, 591, 117384.	4.3	26
22	Mono- and dinuclear organotin(IV) complexes for solvent free cycloaddition of CO ₂ to epoxides at ambient pressure. <i>Journal of CO₂ Utilization</i> , 2018, 28, 313-318.	6.8	24
23	Cobalt salophen complexes for light-driven water oxidation. <i>Catalysis Science and Technology</i> , 2016, 6, 4271-4282.	4.1	22
24	Macrocyclic cyanocobalamin (vitamin B ₁₂) as a homogeneous electrocatalyst for water oxidation under neutral conditions. <i>Chemical Communications</i> , 2020, 56, 1968-1971.	4.1	22
25	CO ₂ insertion into epoxides using cesium salts as catalysts at ambient pressure. <i>Catalysis Science and Technology</i> , 2019, 9, 3868-3873.	4.1	18
26	Supported ionic liquid phase-boosted highly active and durable electrocatalysts towards hydrogen evolution reaction in acidic electrolyte. <i>Journal of Energy Chemistry</i> , 2021, 54, 342-351.	12.9	18
27	Chemical and photochemical water oxidation catalyzed by novel ruthenium complexes comprising a negatively charged NC ⁺ NHC ⁺ O ligand. <i>Catalysis Science and Technology</i> , 2017, 7, 387-395.	4.1	17
28	Direct Synthesis of the 2D Copper(II) 5-Propynoxyisophthalate MOF: Comment on "Surface Functionalization of Porous Coordination Nanocages Via Click Chemistry and Their Application in Drug Delivery". <i>Advanced Materials</i> , 2019, 31, e1801399.	21.0	17
29	Water Oxidation at Neutral pH using a Highly Active Copper-Based Electrocatalyst. <i>ChemSusChem</i> , 2020, 13, 5088-5099.	6.8	17
30	Understanding the Effect of Interplanar Space and Preintercalated Cations of Vanadate Cathode Materials on Potassium-Ion Battery Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7377-7388.	8.0	17
31	Semi-closed synthesis of nitrogen and oxygen Co-doped mesoporous carbon for selective aqueous oxidation. <i>Green Energy and Environment</i> , 2022, 7, 43-52.	8.7	15
32	Progress of MOF-Derived Functional Materials Toward Industrialization in Solar Cells and Metal-Air Batteries. <i>Catalysts</i> , 2020, 10, 897.	3.5	15
33	Homogenous electrochemical water oxidation by a nickel(ii) complex based on a macrocyclic N-heterocyclic carbene/pyridine hybrid ligand. <i>Catalysis Science and Technology</i> , 2019, 9, 5651-5659.	4.1	14
34	Co-catalyst and solvent free nitrogen rich triazole based organocatalysts for cycloaddition of CO ₂ into epoxide. <i>Molecular Catalysis</i> , 2020, 493, 111071.	2.0	13
35	MXene supported transition metal nanoparticles accelerate sulfur reduction reaction kinetics. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13758-13768.	10.3	11
36	Engineering of a highly stable metal-organic Co-film for efficient electrocatalytic water oxidation in acidic media. <i>Materials Today Energy</i> , 2020, 17, 100437.	4.7	9

#	ARTICLE	IF	CITATIONS
37	Synthesis and characterization of [Ru(NC ^{>} NHC ^{<} O)(bpy)L] ^{>+<} complexes and their reactivity towards water oxidation. <i>New Journal of Chemistry</i> , 2018, 42, 2476-2482.	2.8	7
38	Sacrificial ZnO nanorods drive N and O dual-doped carbon towards trifunctional electrocatalysts for Zn-air batteries and self-powered water splitting devices. <i>Catalysis Science and Technology</i> , 2021, 11, 4149-4161.	4.1	7
39	Chemical and Photochemical Water Oxidation by [RuCl(NC ^{>} NHC ^{<} O)(DMSO)(py)] ^{>+<} Type Complexes. <i>ChemCatChem</i> , 2017, 9, 2565-2573.	3.7	6
40	Ligand photodissociation in Ru(^{>} ii ^{<}) ^{>+<} 1,4,7-triazacyclononane complexes enhances water oxidation and enables electrochemical generation of surface active species. <i>Catalysis Science and Technology</i> , 2020, 10, 3399-3408.	4.1	4
41	Half-sandwich ruthenium complex with a very low overpotential and excellent activity for water oxidation under acidic conditions. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	2
42	A Convenient Synthesis of Novel Coumarin Derivatives with Anticipated Antimicrobial Activities. <i>Heterocycles</i> , 2017, 94, 2039.	0.7	1