

# Yuan Yao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7197418/publications.pdf>

Version: 2024-02-01

40  
papers

1,069  
citations

361413

20  
h-index

414414

32  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation effect in adjacent dual metal single atom catalysts for electrochemical nitrogen reduction reaction. <i>Chinese Chemical Letters</i> , 2022, 33, 1455-1458.	9.0	21
2	In-situ growth of PbI <sub>2</sub> on ligand-free FAPbBr <sub>3</sub> nanocrystals to significantly ameliorate the stability of CO <sub>2</sub> photoreduction. <i>Chinese Chemical Letters</i> , 2022, 33, 3039-3042.	9.0	11
3	Carbon nanotube filter functionalized with MIL-101(Fe) for enhanced flow-through electro-Fenton. <i>Environmental Research</i> , 2022, 204, 112117.	7.5	24
4	Peroxymonosulfate activation by Fe <sub>3</sub> O <sub>4</sub> -MnO <sub>2</sub> /CNT nanohybrid electroactive filter towards ultrafast micropollutants decontamination: Performance and mechanism. <i>Journal of Hazardous Materials</i> , 2022, 423, 127111.	12.4	62
5	Acidity-dependent self-rolling of graphene oxide nanoscrolls via metal cation- $\pi$ interaction. <i>Science China Materials</i> , 2022, 65, 1560-1568.	6.3	2
6	Vibronic Coupling of Adjacent Single-Atom Co and Zn Sites for Bifunctional Electrocatalysis of Oxygen Reduction and Evolution Reactions. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2548-2554.	4.6	7
7	An Injectable Hydrogel for Treatment of Chronic Neuropathic Pain. <i>Macromolecular Bioscience</i> , 2022, 22, e2100529.	4.1	3
8	Amorphous core/shell Ti-doped SnO <sub>2</sub> with synergistically improved N <sub>2</sub> adsorption/activation and electrical conductivity for electrochemical N <sub>2</sub> reduction. <i>Chinese Chemical Letters</i> , 2022, 33, 4655-4658.	9.0	13
9	Atomically dispersed V-N-C catalyst with saturated coordination effect for boosting electrochemical oxygen reduction. <i>Chemical Engineering Journal</i> , 2022, 444, 136363.	12.7	7
10	Building up bimetallic active sites for electrocatalyzing hydrogen evolution reaction under acidic and alkaline conditions. <i>Chemical Engineering Journal</i> , 2021, 413, 128027.	12.7	35
11	Development of Atomic Hydrogen-Mediated Electrocatalytic Filtration System for Peroxymonosulfate Activation Towards Ultrafast Degradation of Emerging Organic Contaminants. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120593.	20.2	57
12	Trimetallic single-cluster catalysts for electrochemical nitrogen reduction reaction: Activity prediction, mechanism, and electronic descriptor. <i>Chemical Engineering Journal</i> , 2021, 426, 130745.	12.7	38
13	An electroactive single-atom copper anchored MXene nanohybrid filter for ultrafast water decontamination. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25964-25973.	10.3	43
14	Pseudo Jahn-Teller Origin of Buckling Deformation of Two-dimensional Group-IV-Based Triphosphides as an Anode of Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7699-7707.	3.1	0
15	Ammonia Synthesis via Electrochemical Nitrogen Reduction Reaction on Iron Molybdate under Ambient Conditions. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3236-3241.	2.0	16
16	MicroRNA-20b Promotes Cardiac Hypertrophy by the Inhibition of Mitofusin 2-Mediated Inter-organelle Ca <sup>2+</sup> Cross-Talk. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 1343-1356.	5.1	27
17	Tuning the electronic structure of transition metals embedded in nitrogen-doped graphene for electrocatalytic nitrogen reduction: a first-principles study. <i>Nanoscale</i> , 2020, 12, 9696-9707.	5.6	50
18	Trichloroacetonitrile as an efficient activating agent for the <i>ipso</i> -hydroxylation of arylboronic acids to phenolic compounds. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7558-7563.	2.8	13

#	ARTICLE	IF	CITATIONS
19	Fluorination of benzene with disubstituted N-fluoropyridinium salts in acetonitrile solution: a DFT study. <i>Theoretical Chemistry Accounts</i> , 2019, 138, 1.	1.4	3
20	Metal-Free Geminal Difunctionalization of Diazocarbonyl Compounds: A One-Pot Multicomponent Strategy for the Construction of $\alpha,\beta$ -Diamino Carbonyl Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, 4805-4809.	3.3	13
21	Sulfonamide-Directed Chemo- and Site-Selective Oxidative Halogenation/Amination Using Halogenating Reagents Generated in Situ from Cyclic Diacyl Peroxides. <i>Journal of Organic Chemistry</i> , 2018, 83, 3305-3315.	3.2	22
22	Visible-Light-Enhanced Ring Opening of Cycloalkanols Enabled by Brønsted Base-Tethered Acyloxy Radical Induced Hydrogen Atom Transfer-Electron Transfer. <i>Organic Letters</i> , 2018, 20, 1228-1231.	4.6	60
23	Liuwei Dihuang, a traditional Chinese medicinal formula, inhibits proliferation and migration of vascular smooth muscle cells via modulation of estrogen receptors. <i>International Journal of Molecular Medicine</i> , 2018, 42, 31-40.	4.0	10
24	A new strategy for statistical analysis-based fingerprint establishment: Application to quality assessment of Semen sojæ praeeparatum. <i>Food Chemistry</i> , 2018, 258, 189-198.	8.2	38
25	Efficient molecular evolution to generate enantioselective enzymes using a dual-channel microfluidic droplet screening platform. <i>Nature Communications</i> , 2018, 9, 1030.	12.8	102
26	Availability, prices and affordability of essential medicines for children: a cross-sectional survey in Jiangsu Province, China. <i>BMJ Open</i> , 2018, 8, e023646.	1.9	24
27	Quantification of isoflavone glycosides and aglycones in rat plasma by LC-MS/MS: Troubleshooting of interference from food and its application to pharmacokinetic study of Semen Sojæ Praeeparatum extract. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 444-454.	2.8	15
28	Enabling Nitrogen Fixation on Bi <sub>2</sub> WO <sub>6</sub> Photocatalyst by c-PAN Surface Decoration. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11190-11195.	6.7	42
29	Unexpected protonation state of Glu197 discovered from simulations of tacrine in butyrylcholinesterase. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14938-14946.	2.8	7
30	Theoretical study on the fluorination of benzene with N-Fluoropyridinium salts in acetonitrile solution. <i>Structural Chemistry</i> , 2018, 29, 1601-1607.	2.0	3
31	Metal- and additive-free oxygen-atom transfer reaction: an efficient and chemoselective oxidation of sulfides to sulfoxides with cyclic diacyl peroxides. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2647-2654.	2.8	34
32	Rhodium(II)/Chiral Phosphoric Acid-Cocatalyzed Enantioselective O-H Bond Insertion of $\alpha$ -Diazo Esters. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2754-2761.	4.3	54
33	Fast and Reliable Thermodynamic Approach for Determining the Protonation State of the Asp Dyad. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2273-2280.	5.4	7
34	Liuwei Dihuang soft capsules attenuates endothelial cell apoptosis to prevent atherosclerosis through GPR30-mediated regulation in ovariectomized ApoE-deficient mice. <i>Journal of Ethnopharmacology</i> , 2017, 208, 185-198.	4.1	32
35	One-pot synthesis and antifungal activity against plant pathogens of quinazolinone derivatives containing an amide moiety. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2273-2277.	2.2	72
36	Cardioprotective effect of Salvianolic acid B on acute myocardial infarction by promoting autophagy and neovascularization and inhibiting apoptosis. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 941-952.	2.4	66

#	ARTICLE	IF	CITATIONS
37	Reaction pathway for cocaine hydrolase-catalyzed hydrolysis of (+)-cocaine. Theoretical Chemistry Accounts, 2016, 135, 1.	1.4	2
38	Determination of the protonation state of the Asp dyad: conventional molecular dynamics versus thermodynamic integration. Journal of Molecular Modeling, 2016, 22, 58.	1.8	4
39	Why Does the G117H Mutation Considerably Improve the Activity of Human Butyrylcholinesterase against Sarin? Insights from Quantum Mechanical/Molecular Mechanical Free Energy Calculations. Biochemistry, 2012, 51, 8980-8992.	2.5	30
40	Optimization of CHARMM force field parameters for the chalcone fragment. Science China Chemistry, 2012, 55, 2580-2586.	8.2	0