

Qinghua Ji

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,607
citations

279701

23
h-index

434063

31
g-index

32
all docs

32
docs citations

32
times ranked

1883
citing authors

#	ARTICLE	IF	CITATIONS
1	Triggering surface oxygen vacancies on atomic layered molybdenum dioxide for a low energy consumption path toward nitrogen fixation. <i>Nano Energy</i> , 2019, 59, 10-16.	8.2	176
2	Hierarchically porous UiO-66 with tunable mesopores and oxygen vacancies for enhanced arsenic removal. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7870-7879.	5.2	132
3	Carbon nanodot-modified FeOCl for photo-assisted Fenton reaction featuring synergistic in-situ H ₂ O ₂ production and activation. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118665.	10.8	108
4	pH-Independent Production of Hydroxyl Radical from Atomic H [*] -Mediated Electrochemical H ₂ O ₂ Reduction: A Green Fenton Process without Byproducts. <i>Environmental Science & Technology</i> , 2020, 54, 14725-14731.	4.6	106
5	Microfluidic Flow through Polyaniline Supported by Lamellar-Structured Graphene for Mass-Transfer-Enhanced Electrochemical Reduction of Hexavalent Chromium. <i>Environmental Science & Technology</i> , 2015, 49, 13534-13541.	4.6	98
6	Activation of Lattice Oxygen in LaFe (Oxy)hydroxides for Efficient Phosphorus Removal. <i>Environmental Science & Technology</i> , 2019, 53, 9073-9080.	4.6	94
7	Synergistic Electrochemical Nitrogen Reduction Enabled by Confinement of Nanosized Au Particles onto a Two-Dimensional Ti ₃ C ₂ Substrate. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25758-25765.	4.0	92
8	Photoactuation Healing of FeOOH@g-C ₃ N ₄ Catalyst for Efficient and Stable Activation of Persulfate. <i>Small</i> , 2017, 13, 1702225.	5.2	76
9	Triggering of Low-Valence Molybdenum in Multiphasic MoS ₂ for Effective Reactive Oxygen Species Output in Catalytic Fenton-like Reactions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26781-26788.	4.0	76
10	Enhanced Stabilization and Effective Utilization of Atomic Hydrogen on Pd-In Nanoparticles in a Flow-through Electrode. <i>Environmental Science & Technology</i> , 2019, 53, 11383-11390.	4.6	60
11	2D water-stable zinc-benzimidazole framework nanosheets for ultrafast and selective removal of heavy metals. <i>Chemical Engineering Journal</i> , 2020, 382, 122658.	6.6	55
12	Capillary-Flow-Optimized Heat Localization Induced by an Air-Enclosed Three-Dimensional Hierarchical Network for Elevated Solar Evaporation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9974-9983.	4.0	48
13	Synchronous Reduction-Oxidation Process for Efficient Removal of Trichloroacetic Acid: H [*] Initiates Dechlorination and •OH Is Responsible for Removal Efficiency. <i>Environmental Science & Technology</i> , 2019, 53, 14586-14594.	4.6	45
14	Electric Double-Layer Effects Induce Separation of Aqueous Metal Ions. <i>ACS Nano</i> , 2015, 9, 10922-10930.	7.3	43
15	Porous Nanobimetallic Fe-Mn Cubes with High Valent Mn and Highly Efficient Removal of Arsenic(III). <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14868-14877.	4.0	42
16	Hot-Electron-Induced Photothermal Catalysis for Energy-Dependent Molecular Oxygen Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4872-4878.	7.2	42
17	Pore Structure-Dependent Mass Transport in Flow-through Electrodes for Water Remediation. <i>Environmental Science & Technology</i> , 2018, 52, 7477-7485.	4.6	36
18	In Situ Creation of Oxygen Vacancies in Porous Bimetallic La/Zr Sorbent for Aqueous Phosphate: Hierarchical Pores Control Mass Transport and Vacancy Sites Determine Interaction. <i>Environmental Science & Technology</i> , 2020, 54, 437-445.	4.6	34

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19	Enhanced phosphate removal using zirconium hydroxide encapsulated in quaternized cellulose. <i>Journal of Environmental Sciences</i> , 2020, 89, 102-112.	3.2	32
20	Facile Synthesis of Graphite-Reduced Graphite Oxide Core–Sheath Fiber via Direct Exfoliation of Carbon Fiber for Supercapacitor Application. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9496-9502.	4.0	30
21	Arrayed Cobalt Phosphide Electrocatalyst Achieves Low Energy Consumption and Persistent H ₂ Liberation from Anodic Chemical Conversion. <i>Nano-Micro Letters</i> , 2020, 12, 154.	14.4	29
22	A salt-rejecting anisotropic structure for efficient solar desalination via heat–mass flux decoupling. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12089-12096.	5.2	27
23	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cell–Membrane–Destructive Stresses and Enables Rapid Sterilization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7744-7751.	7.2	26
24	Tracking Internal Electron Shuttle Using X-ray Spectroscopies in La/Zr Hydroxide for Reconciliation of Charge-Transfer Interaction and Coordination toward Phosphate. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24699-24706.	4.0	22
25	Visualization of Electrochemically Accessible Sites in Flow-through Mode for Maximizing Available Active Area toward Superior Electrocatalytic Ammonia Oxidation. <i>Environmental Science & Technology</i> , 2022, 56, 9722-9731.	4.6	15
26	Field-Enhanced Nanoconvection Accelerated Electrocatalytic Conversion of Water Contaminants and Electricity Generation. <i>Environmental Science & Technology</i> , 2019, 53, 2713-2719.	4.6	12
27	Manipulation of Neighboring Palladium and Mercury Atoms for Efficient *OH Transformation in Anodic Alcohol Oxidation and Cathodic Oxygen Reduction Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12677-12685.	4.0	12
28	Investigating adsorption mechanism and surface complex formation modeling for aqueous sulfadiazine bonding on Fe/Mn binary oxides. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23162-23172.	2.7	10
29	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cell–Membrane–Destructive Stresses and Enables Rapid Sterilization. <i>Angewandte Chemie</i> , 2021, 133, 7823-7830.	1.6	10
30	In Operando Visualization and Dynamic Manipulation of Electrochemical Processes at the Electrode–Solution Interface. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
31	Hot–Electron–Induced Photothermal Catalysis for Energy–Dependent Molecular Oxygen Activation. <i>Angewandte Chemie</i> , 2021, 133, 4922-4928.	1.6	9
32	In Operando Visualization and Dynamic Manipulation of Electrochemical Processes at the Electrode–Solution Interface. <i>Angewandte Chemie</i> , 0, , .	1.6	0