

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	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
2	<i>In Operando</i> Visualization and Dynamic Manipulation of Electrochemical Processes at the Electrode-Solution Interface. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
3	Hot-Electron-Induced Photothermal Catalysis for Energy-Dependent Molecular Oxygen Activation. <i>Angewandte Chemie</i> , 2021, 133, 4922-4928.	1.6	9
4	Hot-Electron-Induced Photothermal Catalysis for Energy-Dependent Molecular Oxygen Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4872-4878.	7.2	42
5	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
6	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
7	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
8	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
9	Enhanced phosphate removal using zirconium hydroxide encapsulated in quaternized cellulose. <i>Journal of Environmental Sciences</i> , 2020, 89, 102-112.	3.2	32
10	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
11	pH-Independent Production of Hydroxyl Radical from Atomic H [*] -Mediated Electrocatalytic H ₂ O ₂ Reduction: A Green Fenton Process without Byproducts. <i>Environmental Science & Technology</i> , 2020, 54, 14725-14731.	4.6	106
12	A salt-rejecting anisotropic structure for efficient solar desalination <i>via</i> heat-mass flux decoupling. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12089-12096.	5.2	27
13	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
14	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
15	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
16	Synergistic Electrocatalytic 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
17	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
18	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

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19	Tracking Internal Electron Shuttle Using X-ray Spectroscopies in La/Zr Hydroxide for Reconciliation of Charge-Transfer Interaction and Coordination toward Phosphate. ACS Applied Materials & Interfaces, 2019, 11, 24699-24706.	4.0	22
20	Activation of Lattice Oxygen in LaFe (Oxy)hydroxides for Efficient Phosphorus Removal. Environmental Science & Technology, 2019, 53, 9073-9080.	4.6	94
21	Investigating adsorption mechanism and surface complex formation modeling for aqueous sulfadiazine bonding on Fe/Mn binary oxides. Environmental Science and Pollution Research, 2019, 26, 23162-23172.	2.7	10
22	Field-Enhanced Nanoconvection Accelerated Electrocatalytic Conversion of Water Contaminants and Electricity Generation. Environmental Science & Technology, 2019, 53, 2713-2719.	4.6	12
23	Triggering surface oxygen vacancies on atomic layered molybdenum dioxide for a low energy consumption path toward nitrogen fixation. Nano Energy, 2019, 59, 10-16.	8.2	176
24	Capillary-Flow-Optimized Heat Localization Induced by an Air-Enclosed Three-Dimensional Hierarchical Network for Elevated Solar Evaporation. ACS Applied Materials & Interfaces, 2019, 11, 9974-9983.	4.0	48
25	Synchronous Reduction-Oxidation Process for Efficient Removal of Trichloroacetic Acid: H ⁺ Initiates Dechlorination and $\cdot\text{OH}$ Is Responsible for Removal Efficiency. Environmental Science & Technology, 2019, 53, 14586-14594.	4.6	45
26	Pore Structure-Dependent Mass Transport in Flow-through Electrodes for Water Remediation. Environmental Science & Technology, 2018, 52, 7477-7485.	4.6	36
27	Porous Nanobimetallic Fe-Mn Cubes with High Valent Mn and Highly Efficient Removal of Arsenic(III). ACS Applied Materials & Interfaces, 2017, 9, 14868-14877.	4.0	42
28	Photoactuation Healing of $\text{FeOOH}@g\text{-C}_3\text{N}_4$ Catalyst for Efficient and Stable Activation of Persulfate. Small, 2017, 13, 1702225.	5.2	76
29	Microfluidic Flow through Polyaniline Supported by Lamellar-Structured Graphene for Mass-Transfer-Enhanced Electrocatalytic Reduction of Hexavalent Chromium. Environmental Science & Technology, 2015, 49, 13534-13541.	4.6	98
30	Electric Double-Layer Effects Induce Separation of Aqueous Metal Ions. ACS Nano, 2015, 9, 10922-10930.	7.3	43
31	Facile Synthesis of Graphite-Reduced Graphite Oxide Core-Sheath Fiber via Direct Exfoliation of Carbon Fiber for Supercapacitor Application. ACS Applied Materials & Interfaces, 2014, 6, 9496-9502.	4.0	30
32	In Operando Visualization and Dynamic Manipulation of Electrochemical Processes at the Electrode-Solution Interface. Angewandte Chemie, 0, , .	1.6	0