

Ming Hua

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,827
citations

394286

19
h-index

580701

25
g-index

25
all docs

25
docs citations

25
times ranked

3942
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal removal from water/wastewater by nanosized metal oxides: A review. Journal of Hazardous Materials, 2012, 211-212, 317-331.	6.5	1,767
2	Sorption Enhancement of Lead Ions from Water by Surface Charged Polystyrene-Supported Nano-Zirconium Oxide Composites. Environmental Science & Technology, 2013, 47, 6536-6544.	4.6	167
3	Preferable removal of phosphate from water using hydrous zirconium oxide-based nanocomposite of high stability. Journal of Hazardous Materials, 2015, 284, 35-42.	6.5	166
4	Fabrication of a New Hydrous Zr(IV) Oxide-Based Nanocomposite for Enhanced Pb(II) and Cd(II) Removal from Waters. ACS Applied Materials & Interfaces, 2013, 5, 12135-12142.	4.0	102
5	Nanoconfined Hydrated Zirconium Oxide for Selective Removal of Cu(II)-Carboxyl Complexes from High-Salinity Water via Ternary Complex Formation. Environmental Science & Technology, 2019, 53, 5319-5327.	4.6	66
6	Wrinkle structure on multifunctional MOFs to facilitate PPCPs adsorption in wastewater. Chemical Engineering Journal, 2020, 387, 124196.	6.6	61
7	Mesoporous Ce-Ti-Zr ternary oxide millispheres for efficient catalytic ozonation in bubble column. Chemical Engineering Journal, 2018, 338, 261-270.	6.6	51
8	Fabrication of a reusable polymer-based cerium hydroxide nanocomposite with high stability for preferable phosphate removal. Chemical Engineering Journal, 2021, 405, 126649.	6.6	46
9	Effects of organic acids of different molecular size on phosphate removal by HZO-201 nanocomposite. Chemosphere, 2017, 166, 422-430.	4.2	43
10	Comparative Toxicity Analyses from Different Endpoints: Are New Cyclic Disinfection Byproducts (DBPs) More Toxic than Common Aliphatic DBPs?. Environmental Science & Technology, 2022, 56, 194-207.	4.6	41
11	Exploring mechanisms of different active species formation in heterogeneous Fenton systems by regulating iron chemical environment. Applied Catalysis B: Environmental, 2021, 295, 120282.	10.8	40
12	A new strategy to address the challenges of nanoparticles in practical water treatment: mesoporous nanocomposite beads via flash freezing. Nanoscale, 2017, 9, 19154-19161.	2.8	33
13	Enhanced Fenton-like Oxidation of As(III) over Ce-Ti Binary Oxide: A New Strategy to Tune Catalytic Activity via Balancing Bimolecular Adsorption Energies. Environmental Science & Technology, 2020, 54, 5893-5901.	4.6	32
14	Molecular identification guided process design for advanced treatment of electroless nickel plating effluent. Water Research, 2020, 168, 115211.	5.3	28
15	Validation of polymer-based nano-iron oxide in further phosphorus removal from bioeffluent: laboratory and scaled-up study. Frontiers of Environmental Science and Engineering, 2013, 7, 435-441.	3.3	27
16	Dual-functional millisphere of anion-exchanger-supported nanoceria for synergistic As(III) removal with stoichiometric H ₂ O ₂ : Catalytic oxidation and sorption. Chemical Engineering Journal, 2019, 360, 982-989.	6.6	27
17	Enhanced production of methane in anaerobic water treatment as mediated by the immobilized fungi. Water Research, 2021, 190, 116761.	5.3	23
18	Revisiting the Heterogeneous Peroxymonosulfate Activation by MoS ₂ : a Surface Mo-Peroxymonosulfate Complex as the Major Reactive Species. ACS ES&T Water, 2022, 2, 376-384.	2.3	23

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19	Enhanced removal of arsenic from a highly laden industrial effluent using a combined coprecipitation/nano-adsorption process. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6729-6735.	2.7	22
20	Electron-rich oxygen enhanced Fe-doped g-C ₃ N ₄ mediated Fenton-like process: Accelerate Fe(III) reduction and strengthen catalyst stability. <i>Journal of Cleaner Production</i> , 2021, 319, 128680.	4.6	18
21	New insights into the fractionation of effluent organic matter on diagnosis of key composition affecting advanced phosphate removal by Zr-based nanocomposite. <i>Water Research</i> , 2020, 186, 116299.	5.3	17
22	Enhanced fluoride removal from water by nanosized cerium oxides impregnated porous polystyrene anion exchanger. <i>Chemosphere</i> , 2022, 287, 131932.	4.2	9
23	Metal-free biomass with abundant carbonyl groups as efficient catalyst for the activation of peroxymonosulfate and degradation of sulfamethoxazole. <i>Chemical Engineering Journal</i> , 2022, 430, 132767.	6.6	7
24	Enhanced methane production during long-term UASB operation at high organic loads as enabled by the immobilized Fungi. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	6
25	The breakdown of protein hydrogen bonding networks facilitates biotransformation of protein wastewaters during anaerobic digestion methanogenesis: Focus on protein structure and conformation. <i>Environmental Research</i> , 2022, 208, 112735.	3.7	5