

Fuqiang Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1798304/publications.pdf>

Version: 2024-02-01

63
papers

3,644
citations

126907

33
h-index

133252

59
g-index

63
all docs

63
docs citations

63
times ranked

3594
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of phenolic compounds from aqueous solutions by a water-compatible hypercrosslinked polymeric adsorbent. <i>Chemosphere</i> , 2002, 47, 981-989.	8.2	237
2	Highly efficient sunlight-driven reduction of Cr(VI) by TiO ₂ @NH ₂ -MIL-88B(Fe) heterostructures under neutral conditions. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 229-239.	20.2	206
3	Growth of graphene-supported hollow cobalt sulfide nanocrystals via MOF-templated ligand exchange as surface-bound radical sinks for highly efficient bisphenol A degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 238-248.	20.2	186
4	Facile one-step fabrication of carboxymethyl cellulose based hydrogel for highly efficient removal of Cr(VI) under mild acidic condition. <i>Chemical Engineering Journal</i> , 2019, 369, 641-651.	12.7	185
5	Effects of ionic strength on removal of toxic pollutants from aqueous media with multifarious adsorbents: A review. <i>Science of the Total Environment</i> , 2019, 646, 265-279.	8.0	171
6	Displacement mechanism of binary competitive adsorption for aqueous divalent metal ions onto a novel IDA-chelating resin: Isotherm and kinetic modeling. <i>Water Research</i> , 2011, 45, 1177-1188.	11.3	159
7	Adsorption performances and mechanisms of the newly synthesized N,N'-di (carboxymethyl) dithiocarbamate chelating resin toward divalent heavy metal ions from aqueous media. <i>Journal of Hazardous Materials</i> , 2009, 167, 589-596.	12.4	127
8	Supported Atomically-Precise Gold Nanoclusters for Enhanced Flow-through Electro-Fenton. <i>Environmental Science & Technology</i> , 2020, 54, 5913-5921.	10.0	113
9	Electroactive Modified Carbon Nanotube Filter for Simultaneous Detoxification and Sequestration of Sb(III). <i>Environmental Science & Technology</i> , 2019, 53, 1527-1535.	10.0	111
10	High Adsorption of Sulfamethoxazole by an Amine-Modified Polystyrene- <i>co</i> -Divinylbenzene Resin and Its Mechanistic Insight. <i>Environmental Science & Technology</i> , 2016, 50, 10015-10023.	10.0	108
11	Nitrogen-doped chitosan-Fe(III) composite as a dual-functional material for synergistically enhanced co-removal of Cu(II) and Cr(VI) based on adsorption and redox. <i>Chemical Engineering Journal</i> , 2016, 306, 579-587.	12.7	107
12	Confinement of CoP Nanoparticles in Nitrogen-Doped Yolk-Shell Porous Carbon Polyhedron for Ultrafast Catalytic Oxidation. <i>Advanced Functional Materials</i> , 2020, 30, 2003947.	14.9	97
13	Insight into Highly Efficient Core-Removal of Copper and <i>p</i> -Nitrophenol by a Newly Synthesized Polyamine Chelating Resin from Aqueous Media: Competition and Enhancement Effect upon Site Recognition. <i>Environmental Science & Technology</i> , 2013, 47, 13652-13660.	10.0	93
14	Self-assembled hierarchical and bifunctional MIL-88A(Fe)@ZnIn ₂ S ₄ heterostructure as a reusable sunlight-driven photocatalyst for highly efficient water purification. <i>Chemical Engineering Journal</i> , 2020, 401, 126020.	12.7	87
15	OCNTs encapsulating Fe-Co PBA as efficient chainmail-like electrocatalyst for enhanced heterogeneous electro-Fenton reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118785.	20.2	84
16	Adsorption of divalent heavy metal ions onto IDA-chelating resins: Simulation of physicochemical structures and elucidation of interaction mechanisms. <i>Talanta</i> , 2010, 81, 424-432.	5.5	83
17	Recyclable Nanocomposite of Flowerlike MoS ₂ @Hybrid Acid-Doped PANI Immobilized on Porous PAN Nanofibers for the Efficient Removal of Cr(VI). <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 447-456.	6.7	72
18	Enhanced activation of peroxydisulfate with metal-substituted hollow M _x Co _{3-x} S ₄ polyhedrons for superfast degradation of sulfamethazine. <i>Chemical Engineering Journal</i> , 2020, 384, 123302.	12.7	72

#	ARTICLE	IF	CITATIONS
19	A novel 3D nanofibrous aerogel-based MoS ₂ @Co ₃ S ₄ heterojunction photocatalyst for water remediation and hydrogen evolution under simulated solar irradiation. Applied Catalysis B: Environmental, 2020, 264, 118514.	20.2	70
20	Insight into the efficient co-removal of Cr(VI) and Cr(III) by positively charged UiO-66-NH ₂ decorated ultrafiltration membrane. Chemical Engineering Journal, 2021, 404, 126546.	12.7	69
21	Carbonate-enhanced catalytic activity and stability of Co ₃ O ₄ nanowires for IO ₂ -driven bisphenol A degradation via peroxymonosulfate activation: Critical roles of electron and proton acceptors. Journal of Hazardous Materials, 2020, 393, 122395.	12.4	68
22	Insight into the adsorption of PPCPs by porous adsorbents: Effect of the properties of adsorbents and adsorbates. Environmental Pollution, 2016, 214, 524-531.	7.5	67
23	Interaction mechanism of aqueous heavy metals onto a newly synthesized IDA-chelating resin: Isotherms, thermodynamics and kinetics. Chemical Engineering Journal, 2011, 173, 106-114.	12.7	65
24	High efficient removal of Cu(II) by a chelating resin from strong acidic solutions: Complex formation and DFT certification. Chemical Engineering Journal, 2013, 222, 240-247.	12.7	64
25	Citric Acid Enhanced Copper Removal by a Novel Multi-amines Decorated Resin. Scientific Reports, 2015, 5, 9944.	3.3	50
26	Bridging effects behind the coadsorption of copper and sulfamethoxazole by a polyamine-modified resin. Chemical Engineering Journal, 2019, 362, 422-429.	12.7	48
27	Rapid removal of copper with magnetic poly-acrylic weak acid resin: Quantitative role of bead radius on ion exchange. Journal of Hazardous Materials, 2014, 272, 102-111.	12.4	44
28	High-efficient technique to simultaneous removal of Cu(II), Ni(II) and tannic acid with magnetic resins: Complex mechanism behind integrative application. Chemical Engineering Journal, 2015, 263, 83-91.	12.7	40
29	A novel pyridine based polymer for highly efficient separation of nickel from high-acidity and high-concentration cobalt solutions. Chemical Engineering Journal, 2018, 334, 995-1005.	12.7	39
30	Simultaneous oxidation and sorption of highly toxic Sb(III) using a dual-functional electroactive filter. Environmental Pollution, 2019, 251, 72-80.	7.5	38
31	Constructing surface micro-electric fields on hollow single-atom cobalt catalyst for ultrafast and anti-interference advanced oxidation. Applied Catalysis B: Environmental, 2022, 305, 121057.	20.2	38
32	Efficient separation and high selectivity for nickel from cobalt-solution by a novel chelating resin: Batch, column and competition investigation. Chemical Engineering Journal, 2012, 195-196, 31-39.	12.7	37
33	Multi-networked nanofibrous aerogel supported by heterojunction photocatalysts with excellent dispersion and stability for photocatalysis. Journal of Materials Chemistry A, 2019, 7, 7053-7064.	10.3	35
34	Hierarchical Iron Phosphides Composite Confined in Ultrathin Carbon Layer as Effective Heterogeneous Electro-Fenton Catalyst with Prominent Stability and Catalytic Activity. Advanced Functional Materials, 2021, 31, 2106311.	14.9	34
35	Enhanced removal of Cu(II) and Ni(II) from saline solution by novel dual-primary-amine chelating resin based on anion-synergism. Journal of Hazardous Materials, 2015, 287, 234-242.	12.4	33
36	Boosting Cr(VI) detoxification and sequestration efficiency with carbon nanotube electrochemical filter functionalized with nanoscale polyaniline: Performance and mechanism. Science of the Total Environment, 2019, 695, 133926.	8.0	32

#	ARTICLE	IF	CITATIONS
37	Low-Fe(III) driven UV/Air process for enhanced recovery of heavy metals from EDTA complexed system. <i>Water Research</i> , 2020, 171, 115375.	11.3	32
38	Enhanced synergistic removal of Cr(VI) and Cd(II) with bi-functional biomass-based composites. <i>Journal of Hazardous Materials</i> , 2020, 388, 121776.	12.4	32
39	Comparison of the adsorption behaviors for methylene blue on two renewable gels with different physical state. <i>Environmental Pollution</i> , 2019, 254, 113117.	7.5	30
40	A high-flux and anti-interference dual-functional membrane for effective removal of Pb(II) from natural water. <i>Journal of Hazardous Materials</i> , 2020, 384, 121492.	12.4	30
41	Preparation and characterization of polymer-based spherical activated carbons with tailored pore structure. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1692-1698.	2.6	28
42	Efficient and synergistic removal of tetracycline and Cu(II) using novel magnetic multi-amine resins. <i>Scientific Reports</i> , 2018, 8, 4762.	3.3	24
43	Magnetic Fe ₃ O ₄ @polyaniline nanocomposites with a tunable core-shell structure for ultrafast microwave-energy-driven reduction of Cr(VI). <i>Environmental Science: Nano</i> , 2018, 5, 487-496.	4.3	24
44	A recyclable nanosheet of Mo/N-doped TiO ₂ nanorods decorated on carbon nanofibers for organic pollutants degradation under simulated sunlight irradiation. <i>Chemosphere</i> , 2019, 215, 280-293.	8.2	24
45	Insight into selective removal of copper from high-concentration nickel solutions with XPS and DFT: New technique to prepare 5N-nickel with chelating resin. <i>Journal of Environmental Sciences</i> , 2016, 48, 34-44.	6.1	23
46	TAP/GMA@CN metal-chelating membrane for enhanced and efficient capture of Cu(II). <i>Journal of Membrane Science</i> , 2019, 570-571, 362-370.	8.2	22
47	Ultra-rapid detoxification of Sb(III) using a flow-through electro-fenton system. <i>Chemosphere</i> , 2020, 245, 125604.	8.2	21
48	Insight into Cu(II) Adsorption on Polyamine Resin in the Presence of HEDP by Tracking the Evolution of Amino Groups and Cu(II)-HEDP Complexes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5256-5263.	6.7	20
49	A green and energy-saving microwave-based method to prepare magnetic carbon beads for catalytic wet peroxide oxidation. <i>Journal of Cleaner Production</i> , 2019, 215, 232-244.	9.3	17
50	One-step phosphite removal by an electroactive CNT filter functionalized with TiO ₂ /CeOx nanocomposites. <i>Science of the Total Environment</i> , 2020, 710, 135514.	8.0	17
51	Impactful modulation of micro-structures of acid-resistant picolylamine-based chelate resins for efficient separation of heavy metal cations from strongly acidic media. <i>Chemical Engineering Journal</i> , 2021, 420, 129684.	12.7	16
52	Highly selective removal of Ni(II) from plating rinsing wastewaters containing [Ni-xNH ₃ -yP ₂ O ₇] _n complexes using N-chelating resins. <i>Journal of Hazardous Materials</i> , 2020, 398, 122960.	12.4	15
53	Redox-Active Nanohybrid Filter for Selective Recovery of Gold from Water. <i>ACS ES&T Engineering</i> , 2021, 1, 1342-1350.	7.6	15
54	Simultaneous decontamination of arsenite and antimonite using an electrochemical CNT filter functionalized with nanoscale goethite. <i>Chemosphere</i> , 2021, 274, 129790.	8.2	15

#	ARTICLE	IF	CITATIONS
55	Identifying and Monitoring the Landfill Leachate Contamination in Groundwater with SEC-DAD-FLD-OCD and a Portable Fluorescence Spectrometer. ACS ES&T Water, 2022, 2, 165-173.	4.6	15
56	Facile preparation of acid-resistant magnetite particles for removal of Sb(V) from strong acidic solution. Science and Technology of Advanced Materials, 2016, 17, 80-88.	6.1	14
57	Sequential separation of Cu(II)/Ni(II)/Fe(II) from strong-acidic pickling wastewater with a two-stage process based on a bi-pyridine chelating resin. Chinese Chemical Letters, 2021, 32, 2792-2796.	9.0	12
58	Adsorption selectivity of salicylic acid and 5-sulfosalicylic acid onto hypercrosslinked polymeric adsorbents. Frontiers of Environmental Science and Engineering in China, 2007, 1, 73-78.	0.8	9
59	Integrated adsorptive technique for efficient recovery of m-cresol and m-toluidine from actual acidic and salty wastewater. Journal of Hazardous Materials, 2016, 312, 192-199.	12.4	7
60	Plasmonic Bi NP-accelerated interfacial charge transfer for enhanced solar-driven ciprofloxacin mineralization. Environmental Science: Nano, 2022, 9, 349-360.	4.3	7
61	Efficient removal of Cr(III)-carboxyl complex from neutral and high-salinity wastewater by nitrogen doped biomass-based composites. Chinese Chemical Letters, 2023, 34, 107180.	9.0	3
62	Ultralow-Energy-Barrier H_2O_2 Dissociation on Coordinatively Unsaturated Metal Centers in Binary Ce-Fe Prussian Blue Analogue for Efficient and Stable Photo-Fenton Catalysis. Energy and Environmental Materials, 2023, 6, .	12.8	3
63	A Dual-Functional Electroactive Filter Towards Simultaneously Sb(III) Oxidation and Sequestration. Journal of Visualized Experiments, 2019, , .	0.3	0