

# 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	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
2	<sc>Ultralowâ€Energyâ€Barrier H<sub>2</sub>O<sub>2</sub></sc> Dissociation on Coordinatively Unsaturated Metal Centers in Binary <sc>Ceâ€Fe</sc> Prussian Blue Analogue for Efficient and Stable <sc>Photoâ€Fenton</sc> Catalysis. Energy and Environmental Materials, 2023, 6, .	12.8	3
3	Plasmonic Bi NP-accelerated interfacial charge transfer for enhanced solar-driven ciprofloxacin mineralization. Environmental Science: Nano, 2022, 9, 349-360.	4.3	7
4	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
5	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
6	Insight into the efficient co-removal of Cr(VI) and Cr(III) by positively charged UiO-66-NH2 decorated ultrafiltration membrane. Chemical Engineering Journal, 2021, 404, 126546.	12.7	69
7	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
8	Redox-Active Nanohybrid Filter for Selective Recovery of Gold from Water. ACS ES&T Engineering, 2021, 1, 1342-1350.	7.6	15
9	Simultaneous decontamination of arsenite and antimonite using an electrochemical CNT filter functionalized with nanoscale goethite. Chemosphere, 2021, 274, 129790.	8.2	15
10	Impactful modulation of micro-structures of acid-resistant picolylamine-based chelate resins for efficient separation of heavy metal cations from strongly acidic media. Chemical Engineering Journal, 2021, 420, 129684.	12.7	16
11	Hierarchical Iron Phosphides Composite Confined in Ultrathin Carbon Layer as Effective Heterogeneous Electroâ€Fenton Catalyst with Prominent Stability and Catalytic Activity. Advanced Functional Materials, 2021, 31, 2106311.	14.9	34
12	Enhanced activation of peroxymonosulfate with metal-substituted hollow MxCo3-xS4 polyhedrons for superfast degradation of sulfamethazine. Chemical Engineering Journal, 2020, 384, 123302.	12.7	72
13	A high-flux and anti-interference dual-functional membrane for effective removal of Pb(II) from natural water. Journal of Hazardous Materials, 2020, 384, 121492.	12.4	30
14	Ultra-rapid detoxification of Sb(III) using a flow-through electro-fenton system. Chemosphere, 2020, 245, 125604.	8.2	21
15	One-step phosphite removal by an electroactive CNT filter functionalized with TiO2/CeOx nanocomposites. Science of the Total Environment, 2020, 710, 135514.	8.0	17
16	Low-Fe(III) driven UV/Air process for enhanced recovery of heavy metals from EDTA complexed system. Water Research, 2020, 171, 115375.	11.3	32
17	A novel 3D nanofibrous aerogel-based MoS2@Co3S4 heterojunction photocatalyst for water remediation and hydrogen evolution under simulated solar irradiation. Applied Catalysis B: Environmental, 2020, 264, 118514.	20.2	70
18	Enhanced synergistic removal of Cr(VI) and Cd(II) with bi-functional biomass-based composites. Journal of Hazardous Materials, 2020, 388, 121776.	12.4	32

#	ARTICLE	IF	CITATIONS
19	Highly selective removal of Ni(II) from plating rinsing wastewaters containing $[Ni_xNH_3-yP_2O_7]_n$ complexes using N-chelating resins. <i>Journal of Hazardous Materials</i> , 2020, 398, 122960.	12.4	15
20	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
21	Self-assembled hierarchical and bifunctional MIL-88A(Fe)@ZnIn <sub>2</sub> S <sub>4</sub> heterostructure as a reusable sunlight-driven photocatalyst for highly efficient water purification. <i>Chemical Engineering Journal</i> , 2020, 401, 126020.	12.7	87
22	Carbonate-enhanced catalytic activity and stability of Co <sub>3</sub> O <sub>4</sub> nanowires for IO <sub>2</sub> -driven bisphenol A degradation via peroxymonosulfate activation: Critical roles of electron and proton acceptors. <i>Journal of Hazardous Materials</i> , 2020, 393, 122395.	12.4	68
23	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
24	Supported Atomically-Precise Gold Nanoclusters for Enhanced Flow-through Electro-Fenton. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5913-5921.	10.0	113
25	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
26	Boosting Cr(VI) detoxification and sequestration efficiency with carbon nanotube electrochemical filter functionalized with nanoscale polyaniline: Performance and mechanism. <i>Science of the Total Environment</i> , 2019, 695, 133926.	8.0	32
27	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
28	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
29	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
30	Simultaneous oxidation and sorption of highly toxic Sb(III) using a dual-functional electroactive filter. <i>Environmental Pollution</i> , 2019, 251, 72-80.	7.5	38
31	Highly efficient sunlight-driven reduction of Cr(VI) by TiO <sub>2</sub> @NH <sub>2</sub> -MIL-88B(Fe) heterostructures under neutral conditions. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 229-239.	20.2	206
32	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
33	Multi-networked nanofibrous aerogel supported by heterojunction photocatalysts with excellent dispersion and stability for photocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7053-7064.	10.3	35
34	A Dual-Functional Electroactive Filter Towards Simultaneously Sb(III) Oxidation and Sequestration. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	0
35	Electroactive Modified Carbon Nanotube Filter for Simultaneous Detoxification and Sequestration of Sb(III). <i>Environmental Science &amp; Technology</i> , 2019, 53, 1527-1535.	10.0	111
36	Bridging effects behind the coadsorption of copper and sulfamethoxazole by a polyamine-modified resin. <i>Chemical Engineering Journal</i> , 2019, 362, 422-429.	12.7	48

#	ARTICLE	IF	CITATIONS
37	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
38	A recyclable nanosheet of Mo/N-doped TiO <sub>2</sub> nanorods decorated on carbon nanofibers for organic pollutants degradation under simulated sunlight irradiation. <i>Chemosphere</i> , 2019, 215, 280-293.	8.2	24
39	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
40	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
41	Magnetic Fe <sub>3</sub> O <sub>4</sub> @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
42	Recyclable Nanocomposite of Flowerlike MoS <sub>2</sub> @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
43	A novel pyridine based polymer for highly efficient separation of nickel from high-acidity and high-concentration cobalt solutions. <i>Chemical Engineering Journal</i> , 2018, 334, 995-1005.	12.7	39
44	Integrated adsorptive technique for efficient recovery of m-cresol and m-toluidine from actual acidic and salty wastewater. <i>Journal of Hazardous Materials</i> , 2016, 312, 192-199.	12.4	7
45	Insight into the adsorption of PPCPs by porous adsorbents: Effect of the properties of adsorbents and adsorbates. <i>Environmental Pollution</i> , 2016, 214, 524-531.	7.5	67
46	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
47	High Adsorption of Sulfamethoxazole by an Amine-Modified Polystyrene-Divinylbenzene Resin and Its Mechanistic Insight. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10015-10023.	10.0	108
48	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
49	Facile preparation of acid-resistant magnetite particles for removal of Sb(V) from strong acidic solution. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 80-88.	6.1	14
50	Citric Acid Enhanced Copper Removal by a Novel Multi-amines Decorated Resin. <i>Scientific Reports</i> , 2015, 5, 9944.	3.3	50
51	Enhanced removal of Cu(II) and Ni(II) from saline solution by novel dual-primary-amine chelating resin based on anion-synergism. <i>Journal of Hazardous Materials</i> , 2015, 287, 234-242.	12.4	33
52	High-efficient technique to simultaneous removal of Cu(II), Ni(II) and tannic acid with magnetic resins: Complex mechanism behind integrative application. <i>Chemical Engineering Journal</i> , 2015, 263, 83-91.	12.7	40
53	Rapid removal of copper with magnetic poly-acrylic weak acid resin: Quantitative role of bead radius on ion exchange. <i>Journal of Hazardous Materials</i> , 2014, 272, 102-111.	12.4	44
54	Insight into Highly Efficient Core-removal of Copper and p-Nitrophenol by a Newly Synthesized Polyamine Chelating Resin from Aqueous Media: Competition and Enhancement Effect upon Site Recognition. <i>Environmental Science &amp; Technology</i> , 2013, 47, 13652-13660.	10.0	93

#	ARTICLE	IF	CITATIONS
55	High efficient removal of Cu(II) by a chelating resin from strong acidic solutions: Complex formation and DFT certification. <i>Chemical Engineering Journal</i> , 2013, 222, 240-247.	12.7	64
56	Efficient separation and high selectivity for nickel from cobalt-solution by a novel chelating resin: Batch, column and competition investigation. <i>Chemical Engineering Journal</i> , 2012, 195-196, 31-39.	12.7	37
57	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
58	Interaction mechanism of aqueous heavy metals onto a newly synthesized IDA-chelating resin: Isotherms, thermodynamics and kinetics. <i>Chemical Engineering Journal</i> , 2011, 173, 106-114.	12.7	65
59	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
60	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
61	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
62	Adsorption selectivity of salicylic acid and 5-sulfosalicylic acid onto hypercrosslinked polymeric adsorbents. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007, 1, 73-78.	0.8	9
63	Adsorption of phenolic compounds from aqueous solutions by a water-compatible hypercrosslinked polymeric adsorbent. <i>Chemosphere</i> , 2002, 47, 981-989.	8.2	237