

Shengyan Pu

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,391
citations

196777

29
h-index

242451

47
g-index

49
all docs

49
docs citations

49
times ranked

4503
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism enhanced active biochar support magnetic nano zero-valent iron for efficient removal of Cr(VI) from simulated polluted water. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107077.	3.3	17
2	Nutrients in the rhizosphere: A meta-analysis of content, availability, and influencing factors. <i>Science of the Total Environment</i> , 2022, 826, 153908.	3.9	60
3	Progress and future prospects in biochar composites: Application and reflection in the soil environment. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 219-271.	6.6	93
4	New insights on the enhanced non-hydroxyl radical contribution under copper promoted TiO ₂ /GO for the photodegradation of tetracycline hydrochloride. <i>Journal of Environmental Sciences</i> , 2021, 100, 99-109.	3.2	24
5	Making g-C ₃ N ₄ ultra-thin nanosheets active for photocatalytic overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119557.	10.8	121
6	S-doped TiO ₂ photocatalyst for visible LED mediated oxone activation: Kinetics and mechanism study for the photocatalytic degradation of pyrimethanil fungicide. <i>Chemical Engineering Journal</i> , 2021, 411, 128450.	6.6	53
7	Bacterial response to soil property changes caused by wood ash from wildfire in forest soils around mining areas: Relevance of bacterial community composition, carbon and nitrogen cycling. <i>Journal of Hazardous Materials</i> , 2021, 412, 125264.	6.5	14
8	Adjustable photothermal device induced by magnetic field for efficient solar-driven desalination. <i>EcoMat</i> , 2021, 3, e12139.	6.8	14
9	Hierarchical porous structured polysulfide supported nZVI/biochar and efficient immobilization of selenium in the soil. <i>Science of the Total Environment</i> , 2020, 708, 134831.	3.9	61
10	Comparable effects of manure and its biochar on reducing soil Cr bioavailability and narrowing the rhizosphere extent of enzyme activities. <i>Environment International</i> , 2020, 134, 105277.	4.8	31
11	Biochar induced modification of graphene oxide & nZVI and its impact on immobilization of toxic copper in soil. <i>Environmental Pollution</i> , 2020, 259, 113851.	3.7	58
12	Synergistic construction of green tea biochar supported nZVI for immobilization of lead in soil: A mechanistic investigation. <i>Environment International</i> , 2020, 135, 105374.	4.8	74
13	Integrating high-throughput sequencing and metagenome analysis to reveal the characteristic and resistance mechanism of microbial community in metal contaminated sediments. <i>Science of the Total Environment</i> , 2020, 707, 136116.	3.9	83
14	Deciphering the toxic effects of metals in gold mining area: Microbial community tolerance mechanism and change of antibiotic resistance genes. <i>Environmental Research</i> , 2020, 189, 109869.	3.7	49
15	Impact of manure on soil biochemical properties: A global synthesis. <i>Science of the Total Environment</i> , 2020, 745, 141003.	3.9	77
16	Global trends and prospects in microplastics research: A bibliometric analysis. <i>Journal of Hazardous Materials</i> , 2020, 400, 123110.	6.5	132
17	Viscosity modification enhanced the migration and distribution of colloidal Mg(OH) ₂ in aquifers contaminated by heavy metals. <i>Environment International</i> , 2020, 138, 105658.	4.8	9
18	Efficient degradation, mineralization and toxicity reduction of sulfamethoxazole under photo-activation of peroxymonosulfate by ferrate (VI). <i>Chemical Engineering Journal</i> , 2020, 389, 124084.	6.6	47

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19	Microplastics in aquatic environments: Toxicity to trigger ecological consequences. <i>Environmental Pollution</i> , 2020, 261, 114089.	3.7	292
20	Core-shell magnetic Fe ₃ O ₄ @Zn/Co-ZIFs to activate peroxymonosulfate for highly efficient degradation of carbamazepine. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119136.	10.8	452
21	Plasmonic silver/silver oxide nanoparticles anchored bismuth vanadate as a novel visible-light ternary photocatalyst for degrading pharmaceutical micropollutants. <i>Journal of Environmental Sciences</i> , 2020, 96, 21-32.	3.2	12
22	Effect of electrolyte reuse on metal recovery from waste CPU slots by slurry electrolysis. <i>Waste Management</i> , 2019, 95, 370-376.	3.7	29
23	Ultrasonic impregnation assisted in-situ photoreduction deposition synthesis of Ag/TiO ₂ /rGO ternary composites with synergistic enhanced photocatalytic activity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 139-150.	2.7	15
24	Toxicity of nano-CuO particles to maize and microbial community largely depends on its bioavailable fractions. <i>Environmental Pollution</i> , 2019, 255, 113248.	3.7	28
25	Interactive Fe ₂ O ₃ /porous SiO ₂ nanospheres for photocatalytic degradation of organic pollutants: Kinetic and mechanistic approach. <i>Chemosphere</i> , 2019, 234, 596-607.	4.2	56
26	Stabilization Behavior and Performance of Loess Using a Novel Biomass-based Polymeric Soil Stabilizer. <i>Environmental and Engineering Geoscience</i> , 2019, 25, 103-114.	0.3	8
27	Direct Z-Scheme charge transfer in heterostructured MoO ₃ /g-C ₃ N ₄ photocatalysts and the generation of active radicals in photocatalytic dye degradations. <i>Environmental Pollution</i> , 2019, 250, 338-345.	3.7	78
28	Green synthesis of nanoparticles for the remediation of contaminated waters and soils: Constituents, synthesizing methods, and influencing factors. <i>Journal of Cleaner Production</i> , 2019, 226, 540-549.	4.6	139
29	Protonated g-C ₃ N ₄ /Ti ³⁺ self-doped TiO ₂ nanocomposite films: Room-temperature preparation, hydrophilicity, and application for photocatalytic NO removal. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 122-131.	10.8	122
30	Hybrid porous magnetic bentonite-chitosan beads for selective removal of radioactive cesium in water. <i>Journal of Hazardous Materials</i> , 2019, 362, 160-169.	6.5	135
31	Adsorptive removal of bisphenol A, chloroxylenol, and carbamazepine from water using a novel β -cyclodextrin polymer. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 278-285.	2.9	120
32	Efficient degradation of diclofenac by LaFeO ₃ -Catalyzed peroxymonosulfate oxidation—kinetics and toxicity assessment. <i>Chemosphere</i> , 2019, 218, 299-307.	4.2	83
33	Physical properties and structural characterization of starch/polyvinyl alcohol/graphene oxide composite films. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 569-575.	3.6	86
34	Optimizing the removal of nitrate from aqueous solutions via reduced graphite oxide-supported nZVI: synthesis, characterization, kinetics, and reduction mechanism. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3932-3945.	2.7	17
35	In situ co-precipitation preparation of a superparamagnetic graphene oxide/Fe ₃ O ₄ nanocomposite as an adsorbent for wastewater purification: synthesis, characterization, kinetics, and isotherm studies. <i>Environmental Science and Pollution Research</i> , 2018, 25, 17310-17320.	2.7	25
36	Sulfate radical-based photo-Fenton reaction derived by CuBi ₂ O ₄ and its composites with Bi ₂ O ₃ under visible light irradiation: Catalyst fabrication, performance and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 235, 264-273.	10.8	133

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37	Formation of multi-layered chitosan honeycomb spheres via breath-figure-like approach in combination with co-precipitation processing. <i>Materials Letters</i> , 2018, 211, 91-95.	1.3	26
38	In Situ Coprecipitation Formed Highly Water-Dispersible Magnetic Chitosan Nanopowder for Removal of Heavy Metals and Its Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16754-16765.	3.2	68
39	Hyperspectral Image Classification with Capsule Network Using Limited Training Samples. <i>Sensors</i> , 2018, 18, 3153.	2.1	110
40	An Efficient Photocatalyst for Fast Reduction of Cr(VI) by Ultra-Trace Silver Enhanced Titania in Aqueous Solution. <i>Catalysts</i> , 2018, 8, 251.	1.6	36
41	Heteroatom-doped carbon nanospheres derived from cuttlefish ink: A bifunctional electrocatalyst for oxygen reduction and evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17708-17717.	3.8	27
42	Isolation, identification, and characterization of an <i>Aspergillus niger</i> bioflocculant-producing strain using potato starch wastewater as nutriline and its application. <i>PLoS ONE</i> , 2018, 13, e0190236.	1.1	26
43	Novel highly porous magnetic hydrogel beads composed of chitosan and sodium citrate: an effective adsorbent for the removal of heavy metals from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16520-16530.	2.7	52
44	Facile in-situ design strategy to disperse TiO ₂ nanoparticles on graphene for the enhanced photocatalytic degradation of rhodamine 6G. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 208-219.	10.8	160
45	Facile Control of DNA-Templated Inorganic Nanoshell Size. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 635-641.	0.9	6
46	DNA-Assisted "Double-Templating" Approach for the Construction of Hollow Meshed Inorganic Nanoshells. <i>Langmuir</i> , 2011, 27, 5009-5013.	1.6	11
47	Conformational behavior of DNA-templated CdS inorganic nanowire. <i>Nanotechnology</i> , 2011, 22, 375604.	1.3	9
48	An efficient heterogeneous Fenton catalyst based on modified diatomite for degradation of cationic dye simulated wastewater. , 0, 79, 378-385.		9
49	Preparation of CS-Fe@Fe ₃ O ₄ nanocomposite as an efficient and recyclable adsorbent for azo dyes removal. , 0, 95, 319-332.		4