

Quanyuan Chen

List of Publications by Year in descending order

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36
papers

2,028
citations

393982

19
h-index

360668

35
g-index

36
all docs

36
docs citations

36
times ranked

2529
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of heavy metal removals from aqueous solutions by chemical precipitation and characteristics of precipitates. <i>Journal of Water Process Engineering</i> , 2018, 26, 289-300.	2.6	429
2	Precipitation of heavy metals from wastewater using simulated flue gas: Sequent additions of fly ash, lime and carbon dioxide. <i>Water Research</i> , 2009, 43, 2605-2614.	5.3	338
3	Synergy between surface adsorption and photocatalysis during degradation of humic acid on TiO ₂ /activated carbon composites. <i>Journal of Hazardous Materials</i> , 2011, 186, 765-772.	6.5	162
4	Construction of n-TiO ₂ /p-Ag ₂ O Junction on Carbon Fiber Cloth with Visible-NIR Photoresponse as a Filter-Membrane-Shaped Photocatalyst. <i>Advanced Fiber Materials</i> , 2020, 2, 13-23.	7.9	126
5	Surfactant-Enhanced Soil Washing for Removal of Petroleum Hydrocarbons from Contaminated Soils: A Review. <i>Pedosphere</i> , 2018, 28, 383-410.	2.1	120
6	Stabilization of heavy metals in MSWI fly ash using silica fume. <i>Waste Management</i> , 2014, 34, 2494-2504.	3.7	105
7	Cu ²⁺ /Cu ⁺ cycle promoted PMS decomposition with the assistance of Mo for the degradation of organic pollutant. <i>Journal of Hazardous Materials</i> , 2021, 411, 125050.	6.5	105
8	MoS ₂ /Bi ₂ S ₃ heterojunctions-decorated carbon-fiber cloth as flexible and filter-membrane-shaped photocatalyst for the efficient degradation of flowing wastewater. <i>Journal of Alloys and Compounds</i> , 2019, 779, 599-608.	2.8	51
9	Influence of carbonation on the acid neutralization capacity of cements and cement-solidified/stabilized electroplating sludge. <i>Chemosphere</i> , 2009, 74, 758-764.	4.2	50
10	Synthesis of MoS ₂ /CdS Heterostructures on Carbon Fiber Cloth as Filter-Membrane-Shaped Photocatalyst for Purifying the Flowing Wastewater under Visible Light Illumination. <i>ChemCatChem</i> , 2019, 11, 2855-2863.	1.8	49
11	Characterization of carbonated tricalcium silicate and its sorption capacity for heavy metals: A micron-scale composite adsorbent of active silicate gel and calcite. <i>Journal of Hazardous Materials</i> , 2008, 153, 775-783.	6.5	41
12	Removal of 2,4-dichlorophenoxyacetic acid by the boron-nitrogen co-doped carbon nanotubes: Insights into peroxymonosulfate adsorption and activation. <i>Separation and Purification Technology</i> , 2021, 259, 118196.	3.9	41
13	Utilization of the sludge derived from dyestuff-making wastewater coagulation for unfired bricks. <i>Construction and Building Materials</i> , 2011, 25, 1699-1706.	3.2	38
14	Coupling effect of nitrogen-doped carbon black and carbon nanotube in assembly gas diffusion electrode for H ₂ O ₂ electro-generation and recalcitrant pollutant degradation. <i>Separation and Purification Technology</i> , 2021, 265, 118493.	3.9	37
15	Application of accelerated carbonation with a combination of Na ₂ CO ₃ and CO ₂ in cement-based solidification/stabilization of heavy metal-bearing sediment. <i>Journal of Hazardous Materials</i> , 2009, 166, 421-427.	6.5	36
16	Influence of Fenton's reagent doses on the degradation and mineralization of H-acid. <i>Journal of Hazardous Materials</i> , 2013, 263, 593-599.	6.5	33
17	WS ₂ as highly active co-catalyst for the regeneration of Fe(II) in the advanced oxidation processes. <i>Chemosphere</i> , 2021, 262, 128067.	4.2	32
18	Regeneration performance of spent granular activated carbon for tertiary treatment of dyeing wastewater by Fenton reagent and hydrogen peroxide. <i>Journal of Material Cycles and Waste Management</i> , 2017, 19, 256-264.	1.6	28

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19	Enhanced catalytic hydrodechlorination of 2,4-dichlorophenol over Pd catalysts supported on nitrogen-doped graphene. <i>RSC Advances</i> , 2015, 5, 91363-91371.	1.7	24
20	Heavy Metal Removal from Wastewater by Adsorption with Hydrochar Derived from Biomass: Current Applications and Research Trends. <i>Current Pollution Reports</i> , 2021, 7, 54-71.	3.1	24
21	Bimetallic Au-decorated Pd catalyst for the liquid phase hydrodechlorination of 2,4-dichlorophenol. <i>Applied Surface Science</i> , 2016, 387, 588-594.	3.1	19
22	Enhancement of auxiliary agent for washing efficiency of diesel contaminated soil with surfactants.. <i>Chemosphere</i> , 2020, 252, 126494.	4.2	19
23	Accelerated carbonation and leaching behavior of the slag from iron and steel making industry. <i>International Journal of Minerals, Metallurgy, and Materials</i> , 2007, 14, 297-301.	0.2	17
24	Micro-bubbles enhanced removal of diesel oil from the contaminated soil in washing/flushing with surfactant and additives. <i>Journal of Environmental Management</i> , 2021, 290, 112570.	3.8	17
25	Relationship of mineralization of amino naphthalene sulfonic acids by Fenton oxidation and frontier molecular orbital energies. <i>Chemical Engineering Journal</i> , 2014, 247, 275-282.	6.6	15
26	Enhanced liquid phase catalytic hydrogenation reduction of bromate over Pd-on-Au bimetallic catalysts. <i>Applied Catalysis A: General</i> , 2018, 562, 142-149.	2.2	12
27	Electrochemical removal of RRX-3B in residual dyeing liquid with typical engineered carbonaceous cathodes. <i>Journal of Environmental Management</i> , 2021, 280, 111669.	3.8	11
28	Enhanced visible light photocatalytic degradation of sulfamethazine over a S/Gd co-doped graphitic carbon nitride photocatalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 123853.	2.3	9
29	Coupling of alkaline precipitation and alkali-activated hydrogen peroxide oxidation for reuse of cotton pulp black liquor. <i>Journal of Cleaner Production</i> , 2021, 288, 125094.	4.6	9
30	Optimization of aeration enhanced surfactant soil washing for remediation of diesel-contaminated soils using response surface methodology. <i>PeerJ</i> , 2020, 8, e8578.	0.9	9
31	Electrocatalytic activities of engineered carbonaceous cathodes for generation of hydrogen peroxide and oxidation of recalcitrant reactive dye. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114579.	1.9	7
32	Catalytic activity comparison of natural ferrous minerals in photo-Fenton oxidation for tertiary treatment of dyeing wastewater. <i>Environmental Science and Pollution Research</i> , 2021, 28, 30373-30383.	2.7	6
33	Utilization of fine powder in demolition concrete as recyclable coagulant in removing color from dye-bearing wastewater. <i>Environmental Earth Sciences</i> , 2015, 74, 6737-6745.	1.3	3
34	Simultaneously enhanced surfactant flushing of diesel contaminated soil column and qualified emission of effluent. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1475-1483.	0.9	3
35	Solubilization mechanism of diesel in saponin micelle for contaminated montmorillonite washing. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104203.	3.3	3
36	Comparison of precipitation behavior of color biopolymer in cotton pulp black liquor with metal chlorides. <i>Journal of Water Process Engineering</i> , 2021, 44, 102392.	2.6	0