

Jae-Woo Choi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2644206/publications.pdf>

Version: 2024-02-01

25
papers

1,027
citations

430874

18
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1656
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of copper, nickel and chromium mixtures from metal plating wastewater by adsorption with modified carbon foam. <i>Chemosphere</i> , 2017, 166, 203-211.	8.2	152
2	Adsorption of phosphate from aqueous solution using electrochemically modified biochar calcium-alginate beads: Batch and fixed-bed column performance. <i>Bioresource Technology</i> , 2017, 244, 23-32.	9.6	120
3	Phosphorous recovery from sewage sludge using calcium silicate hydrates. <i>Chemosphere</i> , 2018, 193, 1087-1093.	8.2	77
4	Lead and copper removal from aqueous solutions using carbon foam derived from phenol resin. <i>Chemosphere</i> , 2015, 130, 59-65.	8.2	69
5	Determining the selectivity of divalent metal cations for the carboxyl group of alginate hydrogel beads during competitive sorption. <i>Journal of Hazardous Materials</i> , 2015, 298, 11-18.	12.4	65
6	Ultrasound-assisted heterogeneous Fenton-like process for bisphenol A removal at neutral pH using hierarchically structured manganese dioxide/biochar nanocomposites as catalysts. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 22-28.	8.2	60
7	Application of carbon foam for heavy metal removal from industrial plating wastewater and toxicity evaluation of the adsorbent. <i>Chemosphere</i> , 2016, 153, 1-9.	8.2	57
8	Adsorptive removal of anionic azo dye from aqueous solution using activated carbon derived from extracted coffee residues. <i>Journal of Cleaner Production</i> , 2017, 166, 360-368.	9.3	41
9	Strong chromate-adsorbent based on pyrrolic nitrogen structure: An experimental and theoretical study on the adsorption mechanism. <i>Water Research</i> , 2018, 145, 287-296.	11.3	39
10	Most suitable amino silane molecules for surface functionalization of graphene oxide toward hexavalent chromium adsorption. <i>Chemosphere</i> , 2020, 251, 126387.	8.2	38
11	Blend-electrospun graphene oxide/Poly(vinylidene fluoride) nanofibrous membranes with high flux, tetracycline removal and anti-fouling properties. <i>Chemosphere</i> , 2018, 207, 347-356.	8.2	32
12	Statistical optimization of preparing marine macroalgae derived activated carbon/iron oxide magnetic composites for sequestering acetylsalicylic acid from aqueous media using response surface methodologies. <i>Chemosphere</i> , 2019, 215, 432-443.	8.2	29
13	Investigating Microcystin-LR adsorption mechanisms on mesoporous carbon, mesoporous silica, and their amino-functionalized form: Surface chemistry, pore structures, and molecular characteristics. <i>Chemosphere</i> , 2020, 247, 125811.	8.2	29
14	Synthesis of magnetic porous carbon composite derived from metal-organic framework using recovered terephthalic acid from polyethylene terephthalate (PET) waste bottles as organic ligand and its potential as adsorbent for antibiotic tetracycline hydrochloride. <i>Composites Part B: Engineering</i> , 2020, 187, 107867.	12.0	27
15	Use of hybrid composite particles prepared using alkoxysilane-functionalized amphiphilic polymer precursors for simultaneous removal of various pollutants from water. <i>Chemosphere</i> , 2016, 156, 302-311.	8.2	26
16	Chromate adsorption mechanism on nanodiamond-derived onion-like carbon. <i>Journal of Hazardous Materials</i> , 2016, 320, 368-375.	12.4	25
17	Comparison of Surface-Modified Adsorbents for Phosphate Removal in Water. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2881-2890.	2.4	24
18	Effect of nitrogen doping on titanium carbonitride-derived adsorbents used for arsenic removal. <i>Journal of Hazardous Materials</i> , 2016, 302, 375-385.	12.4	24

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19	Effective Phosphate Removal from Synthesized Wastewater Using Copper-Chitosan Bead: Batch and Fixed-Bed Column Studies. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	18
20	Soil microbial communities-mediated bioattenuation in simulated aquifer storage and recovery (ASR) condition: Long-term study. <i>Environmental Research</i> , 2021, 197, 111069.	7.5	18
21	Organic/inorganic hybrid adsorbent for efficient phosphate removal from a reservoir affected by algae bloom. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 211-216.	5.8	17
22	Ex situ soil washing of highly contaminated silt loam soil using core-crosslinked amphiphilic polymer nanoparticles. <i>Chemosphere</i> , 2019, 224, 212-219.	8.2	14
23	Preparation and characterization of an organic/inorganic hybrid sorbent (PLE) to enhance selectivity for As(V). <i>Journal of Hazardous Materials</i> , 2015, 289, 54-62.	12.4	13
24	Assimilable organic carbon removal strategy for aquifer storage and recovery applications. <i>Environmental Research</i> , 2020, 191, 110033.	7.5	8
25	Surface Modified Mesostructured Iron Oxyhydroxide: Synthesis, Ecotoxicity, and Application. <i>Water Environment Research</i> , 2014, 86, 2338-2346.	2.7	5