

# Jaegwan Shin

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

409  
citations

933447

10  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of two-step cleaning sequences on foulant extraction from multibore ultrafiltration membranes in a pilot-scale membrane filtration system for surface water treatment. <i>Chemosphere</i> , 2022, 297, 134164.	8.2	7
2	NaOH-assisted H <sub>2</sub> O <sub>2</sub> post-modification as a novel approach to enhance adsorption capacity of residual coffee waste biochars toward radioactive strontium: Experimental and theoretical studies. <i>Journal of Hazardous Materials</i> , 2022, 435, 129081.	12.4	10
3	Facilitated physisorption of ibuprofen on waste coffee residue biochars through simultaneous magnetization and activation in groundwater and lake water: Adsorption mechanisms and reusability. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107914.	6.7	19
4	Unveiling the positive effect of mineral induced natural organic matter (NOM) on catalyst properties and catalytic dechlorination performance: An experiment and DFT study. <i>Water Research</i> , 2022, 222, 118871.	11.3	3
5	Effects of physicochemical properties of biochar derived from spent coffee grounds and commercial activated carbon on adsorption behavior and mechanisms of strontium ions (Sr <sup>2+</sup> ). <i>Environmental Science and Pollution Research</i> , 2021, 28, 40623-40632.	5.3	23
6	Competitive adsorption of pharmaceuticals in lake water and wastewater effluent by pristine and NaOH-activated biochars from spent coffee wastes: Contribution of hydrophobic and $\pi$ - $\pi$ interactions. <i>Environmental Pollution</i> , 2021, 270, 116244.	7.5	84
7	Sequential effects of cleaning protocols on desorption of reverse osmosis membrane foulants: Autopsy results from a full-scale desalination plant. <i>Desalination</i> , 2021, 500, 114830.	8.2	20
8	Effects of NaOH Activation on Adsorptive Removal of Herbicides by Biochars Prepared from Ground Coffee Residues. <i>Energies</i> , 2021, 14, 1297.	3.1	17
9	Adsorption of radioactive strontium by pristine and magnetic biochars derived from spent coffee grounds. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105119.	6.7	48
10	Enhanced Adsorption Capacities of Fungicides Using Peanut Shell Biochar via Successive Chemical Modification with KMnO <sub>4</sub> and KOH. <i>Separations</i> , 2021, 8, 52.	2.4	10
11	Oxidative Treatments of Pesticides in Rainwater Runoff by HOCl, O <sub>3</sub> , and O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> : Effects of pH, Humic Acids and Inorganic Matters. <i>Separations</i> , 2021, 8, 101.	2.4	6
12	Changes in adsorption mechanisms of radioactive barium, cobalt, and strontium ions using spent coffee waste biochars via alkaline chemical activation: Enrichment effects of O-containing functional groups. <i>Environmental Research</i> , 2021, 199, 111346.	7.5	24
13	Fenton oxidation of synthetic food dyes by Fe-embedded coffee biochar catalysts prepared at different pyrolysis temperatures: A mechanism study. <i>Chemical Engineering Journal</i> , 2021, 421, 129943.	12.7	44
14	Selective Immobilization of Antimony Using Brucite-rich Precipitate Produced during In Situ Hypochlorous Acid Formation through Seawater Electrolysis in a Nuclear Power Plant. <i>Energies</i> , 2020, 13, 4493.	3.1	2
15	Single and competitive adsorptions of micropollutants using pristine and alkali-modified biochars from spent coffee grounds. <i>Journal of Hazardous Materials</i> , 2020, 400, 123102.	12.4	71
16	Fouling behavior of marine organic matter in reverse osmosis membranes of a real-scale seawater desalination plant in South Korea. <i>Desalination</i> , 2020, 485, 114305.	8.2	21