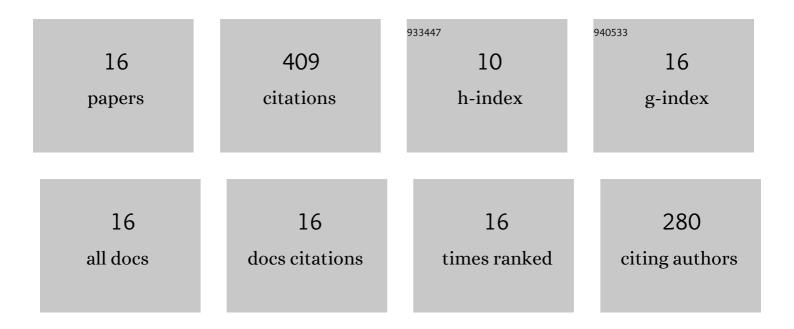
## Jaegwan Shin

List of Publications by Year in descending order

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IAECWAN SHIN

| #  | 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. Chemosphere, 2022, 297, 134164.   | 8.2  | 7         |
| 2  | NaOH-assisted H2O2 post-modification as a novel approach to enhance adsorption capacity of residual coffee waste biochars toward radioactive strontium: Experimental and theoretical studies. Journal of Hazardous Materials, 2022, 435, 129081.                       | 12.4 | 10        |
| 3  | Facilitated physisorption of ibuprofen on waste coffee residue biochars through simultaneous<br>magnetization and activation in groundwater and lake water: Adsorption mechanisms and reusability.<br>Journal of Environmental Chemical Engineering, 2022, 10, 107914. | 6.7  | 19        |
| 4  | Unveiling the positive effect of mineral induced natural organic matter (NOM) on catalyst properties<br>and catalytic dechlorination performance: An experiment and DFT study. Water Research, 2022, 222,<br>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 (Sr2+). Environmental Science and Pollution Research, 2021, 28, 40623-40632.                | 5.3  | 23        |
| 6  | Competitive adsorption of pharmaceuticals in lake water and wastewater effluent by pristine and<br>NaOH-activated biochars from spent coffee wastes: Contribution of hydrophobic and I€-I€ interactions.<br>Environmental Pollution, 2021, 270, 116244.                | 7.5  | 84        |
| 7  | Sequential effects of cleaning protocols on desorption of reverse osmosis membrane foulants:<br>Autopsy results from a full-scale desalination plant. Desalination, 2021, 500, 114830.   | 8.2  | 20        |
| 8  | Effects of NaOH Activation on Adsorptive Removal of Herbicides by Biochars Prepared from Ground Coffee Residues. Energies, 2021, 14, 1297.   | 3.1  | 17        |
| 9  | Adsorption of radioactive strontium by pristine and magnetic biochars derived from spent coffee grounds. Journal of Environmental Chemical Engineering, 2021, 9, 105119.   | 6.7  | 48        |
| 10 | Enhanced Adsorption Capacities of Fungicides Using Peanut Shell Biochar via Successive Chemical Modification with KMnO4 and KOH. Separations, 2021, 8, 52.   | 2.4  | 10        |
| 11 | Oxidative Treatments of Pesticides in Rainwater Runoff by HOCl, O3, and O3/H2O2: Effects of pH, Humic Acids and Inorganic Matters. Separations, 2021, 8, 101.  | 2.4  | 6         |
| 12 | Changes in adsorption mechanisms of radioactive barium, cobalt, and strontium ions using spent<br>coffee waste biochars via alkaline chemical activation: Enrichment effects of O-containing functional<br>groups. Environmental Research, 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. Chemical Engineering Journal, 2021, 421, 129943.  | 12.7 | 44        |
| 14 | Selective Immobilization of Antimony Using Brucite-rich Precipitate Produced during In Situ<br>Hypochlorous Acid Formation through Seawater Electrolysis in a Nuclear Power Plant. Energies,<br>2020, 13, 4493.  | 3.1  | 2         |
| 15 | Single and competitive adsorptions of micropollutants using pristine and alkali-modified biochars from spent coffee grounds. Journal of Hazardous Materials, 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. Desalination, 2020, 485, 114305.  | 8.2  | 21        |