Yong-Gu Lee

List of Publications by Year
in descending order

19 papers	443 citations	12 h-index	19 g-index
19 all docs	19 docs citations	19 times ranked	355 citing authors

758635

794141

#	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.	4.2	7
2	Effects of physicochemical properties of biochar derived from spent coffee grounds and commercial activated carbon on adsorption behavior and mechanisms of strontium ions (Sr^{2+}). Environmental Science and Pollution Research, 2021, 28, 40623-40632.	2.7	23
3	Real-time biomonitoring of oxygen uptake rate and biochemical oxygen demand using a novel optical biogas respirometric system. Journal of Environmental Management, 2021, 277, 111467.	3.8	12
4	Competitive adsorption of pharmaceuticals in lake water and wastewater effluent by pristine and NaOH-activated biochars from spent coffee wastes: Contribution of hydrophobic and Ï€-Ï€ interactions. Environmental Pollution, 2021, 270, 116244.	3.7	84
5	Effects of NaOH Activation on Adsorptive Removal of Herbicides by Biochars Prepared from Ground Coffee Residues. Energies, 2021, 14, 1297.	1.6	17
6	Adsorption Characteristics of Phosphate Ions by Pristine, $CaCl_2$ and $FeCl_3$-Activated Biochars Originated from Tangerine Peels. Separations, 2021, 8, 32.	1.1	10
7	Adsorption of radioactive strontium by pristine and magnetic biochars derived from spent coffee grounds. Journal of Environmental Chemical Engineering, 2021, 9, 105119.	3.3	48
8	Enhanced Adsorption Capacities of Fungicides Using Peanut Shell Biochar via Successive Chemical Modification with $KMnO_4$ and KOH. Separations, 2021, 8, 52.	1.1	10
9	Enhanced Adsorptive Removal of Dyes Using Mandarin Peel Biochars via Chemical Activation with NH_4Cl and $ZnCl_2$. Water (Switzerland), 2021, 13, 1495.	1.2	17
10	Antiviral Nanomaterials for Designing Mixed Matrix Membranes. Membranes, 2021, 11, 458.	1.4	16
11	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. Environmental Research, 2021, 199, 111346.	3.7	24
12	Improving the performance of machine learning models for early warning of harmful algal blooms using an adaptive synthetic sampling method. Water Research, 2021, 207, 117821.	5.3	41
13	Effect of the working and counter/quasi-reference electrode relative area ratio of silver sensor electrodes on voltammetric detection of Pb(II). Journal of Industrial and Engineering Chemistry, 2020, 81, 67-70.	2.9	1
14	Selective Immobilization of Antimony Using Brucite-rich Precipitate Produced during In Situ Hypochlorous Acid Formation through Seawater Electrolysis in a Nuclear Power Plant. Energies, 2020, 13, 4493.	1.6	2
15	Enhanced mechanical deep dewatering of dewatered sludge by a thermal hydrolysis pre-treatment: Effects of temperature and retention time. Environmental Research, 2020, 188, 109746.	3.7	16
16	Improved toxicity analysis of heavy metal-contaminated water via a novel fermentative bacteria-based test kit. Chemosphere, 2020, 258, 127412.	4.2	9
17	Single and competitive adsorptions of micropollutants using pristine and alkali-modified biochars from spent coffee grounds. Journal of Hazardous Materials, 2020, 400, 123102.	6.5	71
18	Fouling behavior of marine organic matter in reverse osmosis membranes of a real-scale seawater desalination plant in South Korea. Desalination, 2020, 485, 114305.	4.0	21

#	Article	IF	Citations
19	Enhanced Degradation of Pharmaceutical Compounds by a Microbubble Ozonation Process: Effects of Temperature, pH, and Humic Acids. Energies, 2019, 12, 4373.	1.6	14