Yang Lei

List of Publications by Year
in descending order

20 papers	1,797 citations	430874 18 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1758 citing authors

#	Article	IF	Citations
1	Electrochemically mediated precipitation of phosphate minerals for phosphorus removal and recovery: Progress and perspective. Water Research, 2022, 209, 117891.	11.3	83
2	Carbon Nanotubes Functionalized with Calcium Carbonate for Flow-Through Sequential Electrochemical Phosphate Recovery. ACS ES&T Water, 2022, 2, 206-215.	4.6	17
3	Nitrogen and phosphorous recycling from human urine by household electrochemical fixed bed in sparsely populated regions. Water Research, 2022, 218, 118467.	11.3	9
4	Electrochemical Recovery of Phosphorus from Acidic Cheese Wastewater: Feasibility, Quality of Products, and Comparison with Chemical Precipitation. ACS ES&T Water, 2021, 1, 1002-1013.	4.6	45
5	Electrochemical recovery of phosphorus from wastewater using tubular stainless-steel cathode for a scalable long-term operation. Water Research, 2021, 199, 117199.	11.3	28
6	Electrochemically mediated calcium phosphate precipitation fromÂphosphonates: Implications on phosphorus recovery from non-orthophosphate. Water Research, 2020, 169, 115206.	11.3	57
7	Electrochemical removal of phosphate in the presence of calcium at low current density: Precipitation or adsorptionï¼Ÿ. Water Research, 2020, 169, 115207.	11.3	44
8	Calcium Carbonate Packed Electrochemical Precipitation Column: New Concept of Phosphate Removal and Recovery. Environmental Science & Technology, 2019, 53, 10774-10780.	10.0	60
9	Energy Efficient Phosphorus Recovery by Microbial Electrolysis Cell Induced Calcium Phosphate Precipitation. ACS Sustainable Chemistry and Engineering, 2019, 7, 8860-8867.	6.7	50
10	Influence of Cell Configuration and Long-Term Operation on Electrochemical Phosphorus Recovery from Domestic Wastewater. ACS Sustainable Chemistry and Engineering, 2019, 7, 7362-7368.	6.7	39
11	Fate of calcium, magnesium and inorganic carbon in electrochemical phosphorus recovery from domestic wastewater. Chemical Engineering Journal, 2019, 362, 453-459.	12.7	62
12	Effects of current density, bicarbonate and humic acid on electrochemical induced calcium phosphate precipitation. Chemical Engineering Journal, 2018, 342, 350-356.	12.7	36
13	Interaction of calcium, phosphorus and natural organic matter in electrochemical recovery of phosphate. Water Research, 2018, 142, 10-17.	11.3	73
14	Is There a Precipitation Sequence in Municipal Wastewater Induced by Electrolysis?. Environmental Science & Technology, 2018, 52, 8399-8407.	10.0	68
15	Electrochemical Induced Calcium Phosphate Precipitation: Importance of Local pH. Environmental Science & Technology, 2017, 51, 11156-11164.	10.0	184
16	Selective decolorization of cationic dyes by peroxymonosulfate: non-radical mechanism and effect of chloride. RSC Advances, 2016, 6, 866-871.	3.6	55
17	Rapid and continuous oxidation of organic contaminants with ascorbic acid and a modified ferric/persulfate system. Chemical Engineering Journal, 2015, 270, 73-79.	12.7	92
18	Heterogeneous Degradation of Organic Pollutants by Persulfate Activated by CuO-Fe₃O₄: Mechanism, Stability, and Effects of pH and Bicarbonate Ions. Environmental Science & Technology, 2015, 49, 6838-6845.	10.0	619

#	Article	IF	Citations
19	Degradation of Toluene by a Selective Ferrous Ion Activated Persulfate Oxidation Process. Industrial & Engineering Chemistry Research, 2014, 53, 1033-1039.	3.7	109
20	Surfactant flushing remediation of toluene contaminated soil: Optimization with response surface methodology and surfactant recovery by selective oxidation with sulfate radicals. Separation and Purification Technology, 2013, 118, 612-619.	7.9	67