

# Yang Lei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7520405/publications.pdf>

Version: 2024-02-01

20  
papers

1,797  
citations

430442

18  
h-index

752256

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. <i>Water Research</i> , 2022, 209, 117891.	5.3	83
2	Carbon Nanotubes Functionalized with Calcium Carbonate for Flow-Through Sequential Electrochemical Phosphate Recovery. <i>ACS ES&amp;T Water</i> , 2022, 2, 206-215.	2.3	17
3	Nitrogen and phosphorous recycling from human urine by household electrochemical fixed bed in sparsely populated regions. <i>Water Research</i> , 2022, 218, 118467.	5.3	9
4	Electrochemical Recovery of Phosphorus from Acidic Cheese Wastewater: Feasibility, Quality of Products, and Comparison with Chemical Precipitation. <i>ACS ES&amp;T Water</i> , 2021, 1, 1002-1013.	2.3	45
5	Electrochemical recovery of phosphorus from wastewater using tubular stainless-steel cathode for a scalable long-term operation. <i>Water Research</i> , 2021, 199, 117199.	5.3	28
6	Electrochemically mediated calcium phosphate precipitation from phosphonates: Implications on phosphorus recovery from non-orthophosphate. <i>Water Research</i> , 2020, 169, 115206.	5.3	57
7	Electrochemical removal of phosphate in the presence of calcium at low current density: Precipitation or adsorption? <i>Water Research</i> , 2020, 169, 115207.	5.3	44
8	Calcium Carbonate Packed Electrochemical Precipitation Column: New Concept of Phosphate Removal and Recovery. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10774-10780.	4.6	60
9	Energy Efficient Phosphorus Recovery by Microbial Electrolysis Cell Induced Calcium Phosphate Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8860-8867.	3.2	50
10	Influence of Cell Configuration and Long-Term Operation on Electrochemical Phosphorus Recovery from Domestic Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7362-7368.	3.2	39
11	Fate of calcium, magnesium and inorganic carbon in electrochemical phosphorus recovery from domestic wastewater. <i>Chemical Engineering Journal</i> , 2019, 362, 453-459.	6.6	62
12	Effects of current density, bicarbonate and humic acid on electrochemical induced calcium phosphate precipitation. <i>Chemical Engineering Journal</i> , 2018, 342, 350-356.	6.6	36
13	Interaction of calcium, phosphorus and natural organic matter in electrochemical recovery of phosphate. <i>Water Research</i> , 2018, 142, 10-17.	5.3	73
14	Is There a Precipitation Sequence in Municipal Wastewater Induced by Electrolysis?. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8399-8407.	4.6	68
15	Electrochemical Induced Calcium Phosphate Precipitation: Importance of Local pH. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11156-11164.	4.6	184
16	Selective decolorization of cationic dyes by peroxymonosulfate: non-radical mechanism and effect of chloride. <i>RSC Advances</i> , 2016, 6, 866-871.	1.7	55
17	Rapid and continuous oxidation of organic contaminants with ascorbic acid and a modified ferric/persulfate system. <i>Chemical Engineering Journal</i> , 2015, 270, 73-79.	6.6	92
18	Heterogeneous Degradation of Organic Pollutants by Persulfate Activated by CuO-Fe <sub>3</sub> O <sub>4</sub> : Mechanism, Stability, and Effects of pH and Bicarbonate Ions. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6838-6845.	4.6	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.	1.8	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.	3.9	67