

Juan Xu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,334
citations

361413

20
h-index

454955

30
g-index

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all docs

30
docs citations

30
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchically porous structure of two-dimensional nano-flakes assembled flower-like NiO promotes the formation of surface-activated complex during persulfate activation. <i>Chemical Engineering Journal</i> , 2022, 430, 133134.	12.7	12
2	Three-dimensional biofilm electrode reactors (3D-BERs) for wastewater treatment. <i>Bioresource Technology</i> , 2022, 344, 126274.	9.6	19
3	Three-dimensional excitation-emission matrix (EEM) fluorescence approach to probing the binding interactions of polystyrene microplastics to bisphenol A. <i>Journal of Hazardous Materials Advances</i> , 2022, 5, 100046.	3.0	2
4	Boron regulates catalytic sites of biochar to enhance the formation of surface-confined complex for improved peroxydisulfate activation. <i>Chemosphere</i> , 2022, 301, 134690.	8.2	20
5	Activating peroxydisulfate with Co ₃ O ₄ /NiCo ₂ O ₄ double-shelled nanocages to selectively degrade bisphenol A – A nonradical oxidation process. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119585.	20.2	158
6	Denitrifying biofilm processes for wastewater treatment: developments and perspectives. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 40-67.	2.4	12
7	Particle electrode materials dependent tetrabromobisphenol A degradation in three-dimensional biofilm electrode reactors. <i>Environmental Research</i> , 2021, 197, 111089.	7.5	15
8	An integrated biological-electrocatalytic process for highly-efficient treatment of coking wastewater. <i>Bioresource Technology</i> , 2021, 339, 125584.	9.6	15
9	Development of a three-dimensional photoelectrocatalytic reactor packed with granular sludge carbon photoelectrocatalyst for efficient wastewater treatment. <i>Separation and Purification Technology</i> , 2021, 277, 119642.	7.9	2
10	An integrated three-dimensional electrochemical system for efficient treatment of coking wastewater rich in ammonia nitrogen. <i>Chemosphere</i> , 2020, 246, 125703.	8.2	35
11	Photochemical decomposition of perfluorochemicals in contaminated water. <i>Water Research</i> , 2020, 186, 116311.	11.3	37
12	Microbial extracellular polymeric substances (EPS) acted as a potential reservoir in responding to high concentrations of sulfonamides shocks during biological wastewater treatment. <i>Bioresource Technology</i> , 2020, 313, 123654.	9.6	40
13	A pilot-scale three-dimensional electrochemical reactor combined with anaerobic-anoxic-oxic system for advanced treatment of coking wastewater. <i>Journal of Environmental Management</i> , 2020, 258, 110021.	7.8	20
14	Co-doping polymethyl methacrylate and copper tailings to improve the performances of sludge-derived particle electrode. <i>Water Research</i> , 2019, 165, 115016.	11.3	24
15	pH dependence of the binding interactions between humic acids and bisphenol A - A thermodynamic perspective. <i>Environmental Pollution</i> , 2019, 255, 113292.	7.5	24
16	Enhanced denitrification by nano Fe ⁰ -Fe ₂ O ₃ induced self-assembled hybrid biofilm on particle electrodes of three-dimensional biofilm electrode reactors. <i>Environment International</i> , 2019, 125, 142-151.	10.0	41
17	Insights into thermodynamic mechanisms driving bisphenol A (BPA) binding to extracellular polymeric substances (EPS) of activated sludge. <i>Science of the Total Environment</i> , 2019, 677, 502-510.	8.0	40
18	Accurately quantifying the reductive capacity of microbial extracellular polymeric substance by mediated electrochemical oxidation method. <i>Science of the Total Environment</i> , 2019, 673, 541-545.	8.0	11

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19	A novel integrated system of three-dimensional electrochemical reactors (3DERs) and three-dimensional biofilm electrode reactors (3DBERs) for coking wastewater treatment. <i>Bioresource Technology</i> , 2019, 284, 222-230.	9.6	50
20	Insights into the interactions between triclosan (TCS) and extracellular polymeric substance (EPS) of activated sludge. <i>Journal of Environmental Management</i> , 2019, 232, 219-225.	7.8	47
21	Multiple response optimization for high efficiency energy saving treatment of rhodamine B wastewater in a three-dimensional electrochemical reactor. <i>Journal of Environmental Management</i> , 2018, 218, 300-308.	7.8	40
22	Synergistic effects of electricity and biofilm on Rhodamine B (RhB) degradation in three-dimensional biofilm electrode reactors (3D-BERs). <i>Electrochimica Acta</i> , 2018, 290, 165-175.	5.2	55
23	Zn-Fe-rich granular sludge carbon (GSC) for enhanced electrocatalytic removal of bisphenol A (BPA) and Rhodamine B (RhB) in a continuous-flow three-dimensional electrode reactor (3DER). <i>Electrochimica Acta</i> , 2018, 284, 587-596.	5.2	42
24	Fermentation liquor of CaO ₂ treated chemically enhanced primary sedimentation (CEPS) sludge for bioplastic biosynthesis. <i>Science of the Total Environment</i> , 2018, 644, 547-555.	8.0	18
25	Recovery of organic carbon and phosphorus from wastewater by Fe-enhanced primary sedimentation and sludge fermentation. <i>Process Biochemistry</i> , 2017, 54, 135-139.	3.7	60
26	TiO ₂ -SiO ₂ /GAC particles for enhanced electrocatalytic removal of acid orange 7 (AO7) dyeing wastewater in a three-dimensional electrochemical reactor. <i>Separation and Purification Technology</i> , 2017, 187, 303-310.	7.9	72
27	Probing the contribution of extracellular polymeric substance fractions to activated-sludge bioflocculation using particle image velocimetry in combination with extended DLVO analysis. <i>Chemical Engineering Journal</i> , 2016, 303, 627-635.	12.7	56
28	Kinetics and thermodynamics of interaction between sulfonamide antibiotics and humic acids: Surface plasmon resonance and isothermal titration microcalorimetry analysis. <i>Journal of Hazardous Materials</i> , 2016, 302, 262-266.	12.4	41
29	Roles of extracellular polymeric substances (EPS) in the migration and removal of sulfamethazine in activated sludge system. <i>Water Research</i> , 2013, 47, 5298-5306.	11.3	264
30	Evaluating the influence of process parameters on soluble microbial products formation using response surface methodology coupled with grey relational analysis. <i>Water Research</i> , 2011, 45, 674-680.	11.3	62