

Yunlong Luo

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,703
citations

567281

15
h-index

414414

32
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all docs

32
docs citations

32
times ranked

5180
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the occurrence of micropollutants in the aquatic environment and their fate and removal during wastewater treatment. <i>Science of the Total Environment</i> , 2014, 473-474, 619-641.	8.0	2,812
2	Simultaneous microalgae cultivation and wastewater treatment in submerged membrane photobioreactors: A review. <i>Algal Research</i> , 2017, 24, 425-437.	4.6	165
3	Evaluation of micropollutant removal and fouling reduction in a hybrid moving bed biofilm reactor—membrane bioreactor system. <i>Bioresource Technology</i> , 2015, 191, 355-359.	9.6	98
4	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. <i>Bioresource Technology</i> , 2014, 159, 311-319.	9.6	85
5	Biodiesel production with the simultaneous removal of nitrogen, phosphorus and COD in microalgal-bacterial communities for the treatment of anaerobic digestion effluent in photobioreactors. <i>Chemical Engineering Journal</i> , 2018, 350, 1092-1102.	12.7	80
6	Assessment of membrane photobioreactor (MPBR) performance parameters and operating conditions. <i>Water Research</i> , 2018, 138, 169-180.	11.3	55
7	Identification and visualisation of microplastics via PCA to decode Raman spectrum matrix towards imaging. <i>Chemosphere</i> , 2022, 286, 131736.	8.2	46
8	The performance of gravity-driven membrane (GDM) filtration for roofing rainwater reuse: Implications of roofing rainwater energy and rainwater purification. <i>Science of the Total Environment</i> , 2019, 697, 134187.	8.0	32
9	Dual-Principal Component Analysis of the Raman Spectrum Matrix to Automatically Identify and Visualize Microplastics and Nanoplastics. <i>Analytical Chemistry</i> , 2022, 94, 3150-3157.	6.5	32
10	Boron-doped diamond (BDD) electro-oxidation coupled with nanofiltration for secondary wastewater treatment: Antibiotics degradation and biofouling. <i>Environment International</i> , 2021, 146, 106291.	10.0	29
11	Characterisation of microalgae-based monocultures and mixed cultures for biomass production and wastewater treatment. <i>Algal Research</i> , 2020, 49, 101963.	4.6	22
12	Pre-depositing PAC-birnessite cake layer on gravity driven ceramic membrane (GDCM) reactor for manganese removal: The significance of stable flux and biofilm. <i>Separation and Purification Technology</i> , 2021, 267, 118623.	7.9	20
13	Gravity-driven ceramic membrane (GDCM) filtration treating manganese-contaminated surface water: Effects of ozone(O ₃)-aided pre-coating and membrane pore size. <i>Chemosphere</i> , 2021, 279, 130603.	8.2	17
14	Degradation of antibiotics, organic matters and ammonia during secondary wastewater treatment using boron-doped diamond electro-oxidation combined with ceramic ultrafiltration. <i>Chemosphere</i> , 2022, 286, 131680.	8.2	17
15	Comparison between permanganate pre-oxidation and persulfate/iron(II) enhanced coagulation as pretreatment for ceramic membrane ultrafiltration of surface water contaminated with manganese and algae. <i>Environmental Research</i> , 2021, 196, 110942.	7.5	16
16	Rural drinking water treatment system combining solar-powered electrocoagulation and a gravity-driven ceramic membrane bioreactor. <i>Separation and Purification Technology</i> , 2021, 276, 119383.	7.9	16
17	Raman imaging of microplastics and nanoplastics generated by cutting PVC pipe. <i>Environmental Pollution</i> , 2022, 298, 118857.	7.5	16
18	Characterisation of organic matter in membrane photobioreactors (MPBRs) and its impact on membrane performance. <i>Algal Research</i> , 2019, 44, 101682.	4.6	15

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19	Total oxidisable precursor assay towards selective detection of PFAS in AFFF. <i>Journal of Cleaner Production</i> , 2021, 328, 129568.	9.3	15
20	Characterising microplastics in shower wastewater with Raman imaging. <i>Science of the Total Environment</i> , 2022, 811, 152409.	8.0	14
21	Microplastics and nanoplastics released from a PPE mask under a simulated bushfire condition. <i>Journal of Hazardous Materials</i> , 2022, 439, 129621.	12.4	14
22	Capture and characterisation of microplastics printed on paper via laser printer's toners. <i>Chemosphere</i> , 2021, 281, 130864.	8.2	13
23	Assessment of microplastics and nanoplastics released from a chopping board using Raman imaging in combination with three algorithms. <i>Journal of Hazardous Materials</i> , 2022, 431, 128636.	12.4	13
24	Raman imaging and MALDI-MS towards identification of microplastics generated when using stationery markers. <i>Journal of Hazardous Materials</i> , 2022, 424, 127478.	12.4	12
25	Applying Raman imaging to capture and identify microplastics and nanoplastics in the garden. <i>Journal of Hazardous Materials</i> , 2022, 426, 127788.	12.4	11
26	Collecting Microplastics in Gardens: Case Study (i) of Soil. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	10
27	Assessing the performance of membrane photobioreactors (MPBR) for polishing effluents containing different types of nitrogen. <i>Algal Research</i> , 2020, 50, 102013.	4.6	8
28	Investigating kitchen sponge-derived microplastics and nanoplastics with Raman imaging and multivariate analysis. <i>Science of the Total Environment</i> , 2022, 824, 153963.	8.0	7
29	Performance and microbial characteristics of a novel pilot-scale tubing biological contact oxidation reactor for rural drinking water. <i>Journal of Water Process Engineering</i> , 2021, 43, 102290.	5.6	5
30	TiO ₂ /CTS/ATP adsorbent modification and its application in adsorption-ultrafiltration process for dye wastewater purification. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59963-59973.	5.3	4
31	Evaluating the resilience of photobioreactors in response to hazardous chemicals. <i>Chemical Engineering Journal</i> , 2021, 405, 126666.	12.7	3
32	Collecting microplastics in gardens: Case study (ii) from ropes. <i>Environmental Technology and Innovation</i> , 2022, 26, 102322.	6.1	1