

Yifeng Huang

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,426
citations

361045

20
h-index

476904

29
g-index

29
all docs

29
docs citations

29
times ranked

1766
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide cross-linked chitosan nanocomposite membrane. <i>Applied Surface Science</i> , 2013, 280, 989-992.	3.1	158
2	Thin film composite nanofiltration membranes assembled layer-by-layer via interfacial polymerization from polyethylenimine and trimesoyl chloride. <i>Journal of Membrane Science</i> , 2014, 472, 141-153.	4.1	152
3	Removal of heavy metals from water using polyvinylamine by polymer-enhanced ultrafiltration and flocculation. <i>Separation and Purification Technology</i> , 2016, 158, 124-136.	3.9	145
4	Polymer-enhanced ultrafiltration: Fundamentals, applications and recent developments. <i>Journal of Membrane Science</i> , 2019, 586, 53-83.	4.1	99
5	Layer-by-layer self-assembled chitosan/PAA nanofiltration membranes. <i>Separation and Purification Technology</i> , 2018, 207, 142-150.	3.9	90
6	Novel separator skimmer for oil spill cleanup and oily wastewater treatment: From conceptual system design to the first pilot-scale prototype development. <i>Environmental Technology and Innovation</i> , 2020, 18, 100598.	3.0	77
7	Removal of mercury (II) from wastewater by polyvinylamine-enhanced ultrafiltration. <i>Separation and Purification Technology</i> , 2015, 154, 1-10.	3.9	70
8	Universal unilateral electro-spinning/spraying strategy to construct water-unidirectional Janus membranes with well-tuned hierarchical micro/nanostructures. <i>Chemical Communications</i> , 2020, 56, 478-481.	2.2	68
9	Sustainable and efficient technologies for removal and recovery of toxic and valuable metals from wastewater: Recent progress, challenges, and future perspectives. <i>Chemosphere</i> , 2022, 292, 133102.	4.2	62
10	Evaluation and modeling of electrical conductivity in conductive polymer nanocomposite foams with multiwalled carbon nanotube networks. <i>Chemical Engineering Journal</i> , 2021, 411, 128382.	6.6	59
11	Hydrophobic Porous Polypropylene with Hierarchical Structures for Ultrafast and Highly Selective Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16859-16868.	4.0	53
12	Mussel-/diatom-inspired silicified membrane for high-efficiency water remediation. <i>Journal of Membrane Science</i> , 2020, 597, 117753.	4.1	48
13	Fabrication of outstanding thermal-insulating, mechanical robust and superhydrophobic PP/CNT/sorbitol derivative nanocomposite foams for efficient oil/water separation. <i>Journal of Hazardous Materials</i> , 2021, 418, 126295.	6.5	41
14	Microcellular injection molded outstanding oleophilic and sound-insulating PP/PTFE nanocomposite foam. <i>Composites Part B: Engineering</i> , 2021, 215, 108786.	5.9	40
15	In situ oils/organic solvents cleanup and recovery using advanced oil-water separation system. <i>Chemosphere</i> , 2020, 260, 127586.	4.2	38
16	Theoretical modeling and experimental verification of percolation threshold with MWCNTsâ€™ rotation and translation around a growing bubble in conductive polymer composite foams. <i>Composites Science and Technology</i> , 2020, 199, 108345.	3.8	38
17	Silk fibroin films for potential applications in controlled release. <i>Reactive and Functional Polymers</i> , 2017, 116, 57-68.	2.0	37
18	Thermo-responsive separation membrane with smart anti-fouling and self-cleaning properties. <i>Chemical Engineering Research and Design</i> , 2020, 156, 333-342.	2.7	37

#	ARTICLE	IF	CITATIONS
19	Modelling of Rod-Like Fillersâ€™ Rotation and Translation near Two Growing Cells in Conductive Polymer Composite Foam Processing. <i>Polymers</i> , 2018, 10, 261.	2.0	26
20	Batch process of polymer-enhanced ultrafiltration to recover mercury (II) from wastewater. <i>Journal of Membrane Science</i> , 2016, 514, 229-240.	4.1	25
21	The effect of water temperature on the removal of 2-methylisoborneol and geosmin by preloaded granular activated carbon. <i>Water Research</i> , 2020, 183, 116065.	5.3	16
22	Model fitting of sorption kinetics data: Misapplications overlooked and their rectifications. <i>AIChE Journal</i> , 2018, 64, 1793-1805.	1.8	11
23	Experimental validation of a test to estimate the remaining adsorption capacity of granular activated carbon for taste and odour compounds. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 609-617.	1.2	8
24	Minicolumn Test of Remaining GAC Performance for Taste and Odor Removal: Theoretical Analysis. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	8
25	Quenching H ₂ O ₂ residuals after UV/H ₂ O ₂ oxidation using GAC in drinking water treatment. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1662-1670.	1.2	6
26	Predicted Impact of Aeration on Toxicity From Trihalomethanes and Other Disinfection Byproducts. <i>Journal - American Water Works Association</i> , 2017, 109, 13-21.	0.2	5
27	An Experimental Method for Predicting the Adsorption of Trace Organic Contaminants in Partially Saturated Granular Activated Carbon. <i>ACS ES&T Water</i> , 2021, 1, 1168-1176.	2.3	4
28	Evaluation of phosphorus removal from a lake by two drinking water treatment plants. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 863-869.	1.2	3
29	Use of fibroin polypeptide from silk processing waste as an effective biosorbent for heavy metal removal. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, .	0.9	2