

Xiujuan Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

845
citations

14
h-index

28
g-index

50
ext. papers

1,209
ext. citations

8.1
avg, IF

4.92
L-index

#	Paper	IF	Citations
45	Electrically conductive inorganic membranes: A review on principles, characteristics and applications. <i>Chemical Engineering Journal</i> , 2022 , 427, 131987	14.7	6
44	Superwetting polyethersulfone membrane functionalized with ZrO ₂ nanoparticles for polycyclic aromatic hydrocarbon removal. <i>Journal of Materials Science and Technology</i> , 2022 , 98, 14-25	9.1	7
43	Low-Cost Ceramic Disk Filters Coated with Graphitic Carbon Nitride (g-C ₃ N ₄) for Drinking Water Disinfection and Purification. <i>Separation and Purification Technology</i> , 2022 , 120999	8.3	1
42	Physicochemical change and microparticle release from disposable gloves in the aqueous environment impacted by accelerated weathering.. <i>Science of the Total Environment</i> , 2022 , 832, 154986	10.2	4
41	A pH-responsive phosphoprotein surface washing fluid for cleaning oiled shoreline: Performance evaluation, biotoxicity analysis, and molecular dynamic simulation. <i>Chemical Engineering Journal</i> , 2022 , 437, 135336	14.7	0
40	Perspectives on environmental applications of hexagonal boron nitride nanomaterials. <i>Nano Today</i> , 2022 , 44, 101486	17.9	5
39	Photocatalytic disinfection for point-of-use water treatment using Ti ³⁺ self-doping TiO ₂ nanoparticle decorated ceramic disk filter. <i>Environmental Research</i> , 2022 , 113602	7.9	0
38	An inexact two-stage multi-objective waste management planning model under considerations of subsidies and uncertainties: A case study of Baotou, China. <i>Journal of Cleaner Production</i> , 2021 , 298, 126873	19.3	5
37	Removal of arsenic from water through ceramic filter modified by nano-CeO: A cost-effective approach for remote areas. <i>Science of the Total Environment</i> , 2021 , 750, 141510	10.2	11
36	Exploring the decentralized treatment of sulfamethoxazole-contained poultry wastewater through vertical-flow multi-soil-layering systems in rural communities. <i>Water Research</i> , 2021 , 188, 116480	12.5	22
35	Inexact inventory-theory-based optimization of oily waste management system in shoreline spill response. <i>Science of the Total Environment</i> , 2021 , 777, 146078	10.2	6
34	Disposable masks release microplastics to the aqueous environment with exacerbation by natural weathering. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126036	12.8	74
33	Forward osmosis membranes for high-efficiency desalination with Nano-MoS composite substrates. <i>Chemosphere</i> , 2021 , 278, 130341	8.4	9
32	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2021 , 147, 01821002	2	3
31	A review on graphitic carbon nitride (g-CN) based hybrid membranes for water and wastewater treatment. <i>Science of the Total Environment</i> , 2021 , 792, 148462	10.2	14
30	Effects of permafrost degradation on global microplastic cycling under climate change. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106000	6.8	3
29	Functional PVDF ultrafiltration membrane for Tetrabromobisphenol-A (TBBPA) removal with high water recovery. <i>Water Research</i> , 2020 , 181, 115952	12.5	13

28	Low-cost microbiological purification using a new ceramic disk filter functionalized by chitosan/TiO ₂ nanocomposites. <i>Separation and Purification Technology</i> , 2020 , 248, 116984	8.3	11
27	Exploring the use of ceramic disk filter coated with Ag/ZnO nanocomposites as an innovative approach for removing Escherichia coli from household drinking water. <i>Chemosphere</i> , 2020 , 245, 125545	8.4	14
26	Use of Nano-TiO ₂ self-assembled flax fiber as a new initiative for immiscible oil/water separation. <i>Journal of Cleaner Production</i> , 2020 , 249, 119352	10.3	12
25	Anaerobic digestion of livestock manure in cold regions: Technological advancements and global impacts. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109494	16.2	63
24	Removal of Escherichia Coli from water using functionalized porous ceramic disk filter coated with Fe/TiO ₂ nano-composites. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101013	6.7	18
23	Investigation into the oil removal from sand using a surface washing agent under different environmental conditions. <i>Journal of Environmental Management</i> , 2020 , 275, 111232	7.9	22
22	Coordinative Urban-Rural Solid Waste Management: A Fractional Dual-Objective Programming Model for the Regional Municipality of Xiamen. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-13	1.1	1
21	Plasma-induced poly(acrylic acid)-TiO ₂ coated polyvinylidene fluoride membrane for produced water treatment: Synchrotron X-Ray, optimization, and insight studies. <i>Journal of Cleaner Production</i> , 2019 , 227, 772-783	10.3	38
20	Enhanced nitrogen removal in the treatment of rural domestic sewage using vertical-flow multi-soil-layering systems: Experimental and modeling insights. <i>Journal of Environmental Management</i> , 2019 , 240, 273-284	7.9	28
19	Plasma-induced PAA-ZnO coated PVDF membrane for oily wastewater treatment: Preparation, optimization, and characterization through Taguchi OA design and synchrotron-based X-ray analysis. <i>Journal of Membrane Science</i> , 2019 , 582, 70-82	9.6	49
18	Performance analysis and life cycle greenhouse gas emission assessment of an integrated gravitational-flow wastewater treatment system for rural areas. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 25883-25897	5.1	7
17	Treatment of Aquaculture Wastewater through Chitin/ZnO Composite Photocatalyst. <i>Water (Switzerland)</i> , 2019 , 11, 310	3	6
16	An integrated gravity-driven ecological bed for wastewater treatment in subtropical regions: Process design, performance analysis, and greenhouse gas emissions assessment. <i>Journal of Cleaner Production</i> , 2019 , 212, 1143-1153	10.3	43
15	Wastewater treatment in amine-based carbon capture. <i>Chemosphere</i> , 2019 , 222, 742-756	8.4	11
14	Resources and environmental systems management under synchronic interval uncertainties. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 435-456	3.5	1
13	Reduction of Escherichia Coli using ceramic disk filter decorated by nano-TiO: A low-cost solution for household water purification. <i>Science of the Total Environment</i> , 2018 , 616-617, 1628-1637	10.2	36
12	Treatment of rural domestic wastewater using multi-soil-layering systems: Performance evaluation, factorial analysis and numerical modeling. <i>Science of the Total Environment</i> , 2018 , 644, 536-546	10.2	54
11	Adsorption of anionic azo dyes from aqueous solution on cationic gemini surfactant-modified flax shives: Synchrotron infrared, optimization and modeling studies. <i>Journal of Cleaner Production</i> , 2018 , 172, 1986-1997	10.3	60

10	Emerging N-nitrosamines and N-nitramines from amine-based post-combustion CO ₂ capture [A review]. <i>Chemical Engineering Journal</i> , 2018 , 335, 921-935	14.7	69
9	Distributed mixed-integer fuzzy hierarchical programming for municipal solid waste management. Part I: System identification and methodology development. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 7236-7252	5.1	12
8	Molecular toxicity of triclosan and carbamazepine to green algae <i>Chlorococum</i> sp.: A single cell view using synchrotron-based Fourier transform infrared spectromicroscopy. <i>Environmental Pollution</i> , 2017 , 226, 12-20	9.3	42
7	Immobilization of phenanthrene onto gemini surfactant modified sepiolite at solid/aqueous interface: Equilibrium, thermodynamic and kinetic studies. <i>Science of the Total Environment</i> , 2017 , 598, 619-627	10.2	9
6	Distributed mixed-integer fuzzy hierarchical programming for municipal solid waste management. Part II: scheme analysis and mechanism revelation. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 8711-8721	5.1	7
5	Municipal solid waste management planning for Xiamen City, China: a stochastic fractional inventory-theory-based approach. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 24243-24260	5.1	11
4	Allelopathy Inhibitory Effects of <i>Hydrodictyon reticulatum</i> on <i>Chlorella pyrenoidosa</i> under Co-Culture and Liquor-Cultured Conditions. <i>Water (Switzerland)</i> , 2017 , 9, 416	3	7
3	Inexact Inventory TheoryBased Waste Management Planning Model for the City of Xiamen, China. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142, 04016013	2	12
2	An inexact inventory-theory-based chance-constrained programming model for solid waste management. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 1939-1955	3.5	12
1	Multi-Soil-Layering Systems for Wastewater Treatment in Small and Remote Communities. <i>Journal of Environmental Informatics</i> ,	3	5