

Xiujuan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,582
citations

331259

21
h-index

315357

38
g-index

50
all docs

50
docs citations

50
times ranked

1443
citing authors

#	ARTICLE	IF	CITATIONS
1	Disposable masks release microplastics to the aqueous environment with exacerbation by natural weathering. <i>Journal of Hazardous Materials</i> , 2021, 417, 126036.	6.5	225
2	Anaerobic digestion of livestock manure in cold regions: Technological advancements and global impacts. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109494.	8.2	111
3	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.	6.6	94
4	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.	4.6	75
5	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.	3.9	70
6	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.	4.1	68
7	Molecular toxicity of triclosan and carbamazepine to green algae <i>Chlorococcum</i> sp.: A single cell view using synchrotron-based Fourier transform infrared spectromicroscopy. <i>Environmental Pollution</i> , 2017, 226, 12-20.	3.7	61
8	Perspectives on environmental applications of hexagonal boron nitride nanomaterials. <i>Nano Today</i> , 2022, 44, 101486.	6.2	60
9	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.	4.6	55
10	Electrically conductive inorganic membranes: A review on principles, characteristics and applications. <i>Chemical Engineering Journal</i> , 2022, 427, 131987.	6.6	53
11	A review on graphitic carbon nitride (g-C ₃ N ₄) based hybrid membranes for water and wastewater treatment. <i>Science of the Total Environment</i> , 2021, 792, 148462.	3.9	51
12	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.	3.8	49
13	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.	5.3	48
14	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.	4.6	47
15	Reduction of <i>Escherichia Coli</i> using ceramic disk filter decorated by nano-TiO ₂ : A low-cost solution for household water purification. <i>Science of the Total Environment</i> , 2018, 616-617, 1628-1637.	3.9	44
16	Functional PVDF ultrafiltration membrane for Tetrabromobisphenol-A (TBBPA) removal with high water recovery. <i>Water Research</i> , 2020, 181, 115952.	5.3	34
17	Forward osmosis membranes for high-efficiency desalination with Nano-MoS ₂ composite substrates. <i>Chemosphere</i> , 2021, 278, 130341.	4.2	32
18	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.	3.8	30

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19	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.	2.6	28
20	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.	4.2	23
21	Removal of arsenic from water through ceramic filter modified by nano-CeO ₂ : A cost-effective approach for remote areas. <i>Science of the Total Environment</i> , 2021, 750, 141510.	3.9	23
22	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.	3.9	23
23	Wastewater treatment in amine-based carbon capture. <i>Chemosphere</i> , 2019, 222, 742-756.	4.2	17
24	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.	4.6	17
25	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.	2.7	15
26	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.	4.6	15
27	Inexact inventory-theory-based optimization of oily waste management system in shoreline spill response. <i>Science of the Total Environment</i> , 2021, 777, 146078.	3.9	15
28	Inexact Inventory Theory-Based Waste Management Planning Model for the City of Xiamen, China. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	14
29	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.	3.9	14
30	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.	5.6	14
31	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.	3.9	14
32	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.	2.7	13
33	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.	2.7	13
34	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.	1.9	12
35	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.	1.2	11
36	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	0.7	11

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37	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.	6.6	11
38	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, 292, 120999.	3.9	10
39	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.	2.7	9
40	Treatment of Aquaculture Wastewater through Chitin/ZnO Composite Photocatalyst. <i>Water (Switzerland)</i> , 2019, 11, 310.	1.2	9
41	Multi-Soil-Layering Systems for Wastewater Treatment in Small and Remote Communities. <i>Journal of Environmental Informatics</i> , 0, , .	6.0	9
42	Exploring the characteristics, performance, and mechanisms of a magnetic-mediated washing fluid for the cleanup of oiled beach sand. <i>Journal of Hazardous Materials</i> , 2022, 438, 129447.	6.5	9
43	Functional flax fiber with UV-induced switchable wettability for multipurpose oil-water separation. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	3.3	9
44	Effects of permafrost degradation on global microplastic cycling under climate change. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106000.	3.3	7
45	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, 212, 113602.	3.7	5
46	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.	0.6	2
47	Biological Treatment of Dairy Wastewater: A Mini Review. <i>Journal of Environmental Informatics Letters</i> , 0, , .	0.6	2
48	Resources and environmental systems management under synchronic interval uncertainties. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 435-456.	1.9	1
49	Perspective for Emission and Control of Nitrous Gas in Biological Wastewater Treatment. <i>Journal of Environmental Informatics Letters</i> , 0, , .	0.6	0
50	Biological Treatment for Greywater Reclamation. <i>Journal of Environmental Informatics Letters</i> , 0, , .	0.6	0