Yao Yao

List of Publications by Year
in descending order

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35 papers	1,466 citations	430442 18 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	1665 citing authors

#	Article	IF	Citations
1	Emerging usage of electrocoagulation technology for oil removal from wastewater: A review. Science of the Total Environment, 2017, 579, 537-556.	3.9	309
2	Anaerobic digestion of livestock manure in cold regions: Technological advancements and global impacts. Renewable and Sustainable Energy Reviews, 2020, 119, 109494.	8.2	111
3	Emerging N-nitrosamines and N-nitramines from amine-based post-combustion CO2 capture â€“ A review. Chemical Engineering Journal, 2018, 335, 921-935.	6.6	94
4	Removal of sulfonated humic acid from aqueous phase by modified coal fly ash waste: Equilibrium and kinetic adsorption studies. Fuel, 2016, 165, 264-271.	3.4	91
5	A stepwise cluster analysis approach for downscaled climate projection â€“ A Canadian case study. Environmental Modelling and Software, 2013, 49, 141-151.	1.9	80
6	Treatment of rural domestic wastewater using multi-soil-layering systems: Performance evaluation, factorial analysis and numerical modeling. Science of the Total Environment, 2018, 644, 536-546.	3.9	70
7	Performance of in-vessel composting of food waste in the presence of coal ash and uric acid. Journal of Hazardous Materials, 2012, 203-204, 38-45.	6.5	69
8	Molecular toxicity of triclosan and carbamazepine to green algae Chlorococcum sp.: A single cell view using synchrotron-based Fourier transform infrared spectromicroscopy. Environmental Pollution, 2017, 226, 12-20.	3.7	61
9	Perspectives on environmental applications of hexagonal boron nitride nanomaterials. Nano Today, 2022, 44, 101486.	6.2	60
10	Performance of ceramic disk filter coated with nano ZnO for removing Escherichia coli from water in small rural and remote communities of developing regions. Environmental Pollution, 2018, 238, 52-62.	3.7	58
11	Transport of anionic azo dyes from aqueous solution to gemini surfactant-modified wheat bran: Synchrotron infrared, molecular interaction and adsorption studies. Science of the Total Environment, 2017, 595, 723-732.	3.9	55
12	An integrated gravity-driven ecological bed for wastewater treatment in subtropical regions: Process design, performance analysis, and greenhouse gas emissions assessment. Journal of Cleaner Production, 2019, 212, 1143-1153.	4.6	55
13	A review on graphitic carbon nitride (g-C3N4) based hybrid membranes for water and wastewater treatment. Science of the Total Environment, 2021, 792, 148462.	3.9	51
14	Plasma-induced poly(acrylic acid)-TiO2 coated polyvinylidene fluoride membrane for produced water treatment: Synchrotron X-Ray, optimization, and insight studies. Journal of Cleaner Production, 2019, 227, 772-783.	4.6	47
15	Enhancement of soil retention for phenanthrene in binary cationic gemini and nonionic surfactant mixtures: Characterizing two-step adsorption and partition processes through experimental and modeling approaches. Journal of Hazardous Materials, 2015, 286, 144-151.	6.5	40
16	Improved solubilities of PAHs by multi-component Gemini surfactant systems with different spacer lengths. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 423, 50-57.	2.3	32
17	Biophysiological and factorial analyses in the treatment of rural domestic wastewater using multi-soil-layering systems. Journal of Environmental Management, 2018, 226, 83-94.	3.8	24
18	Removal of Sulfonated Humic Acid through a Hybrid Electrocoagulationâ€“Ultrafiltration Process. Industrial & Engineering Chemistry Research, 2015, 54, 5793-5801.	1.8	19

#	Article	IF	Citations
19	Wastewater treatment in amine-based carbon capture. Chemosphere, 2019, 222, 742-756.	4.2	17
20	Dual inexact fuzzy chance-constrained programming for planning waste management systems. Stochastic Environmental Research and Risk Assessment, 2010, 24, 1163-1174.	1.9	16
21	Highâ€resolution projections of 21st century climate over the Athabasca River Basin through an integrated evaluationâ€classificationâ€downscalingâ€based climate projection framework. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2595-2615.	1.2	16
22	An Evaluation of CMIP5 GCM Simulations over the Athabasca River Basin, Canada. River Research and Applications, 2017, 33, 823-843.	0.7	12
23	Climate change impacts on Ontario wind power resource. Environmental Systems Research, 2012, 1, .	1.5	11
24	Allelopathy Inhibitory Effects of Hydrodictyon reticulatum on Chlorella pyrenoidosa under Co-Culture and Liquor-Cultured Conditions. Water (Switzerland), 2017, 9, 416.	1.2	11
25	Effects of freezeâ€“thawing cycles on desorption behaviors of PAH-contaminated soil in the presence of a biosurfactant: a case study in western Canada. Environmental Sciences: Processes and Impacts, 2017, 19, 874-882.	1.7	10
26	Comprehensive evaluation of adsorption performances of carbonaceous materials for sulfonamide antibiotics removal. Environmental Science and Pollution Research, 2021, 28, 2400-2414.	2.7	10
27	Low-Cost ceramic disk filters coated with Graphitic carbon nitride (g-C3N4) for drinking water disinfection and purification. Separation and Purification Technology, 2022, 292, 120999.	3.9	10
28	Recursive multivariate principalâ€monotonicity inferential climate downscaling. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2780-2796.	1.0	6
29	Life cycle-based water footprint analysis of ceramic filter for point-of-use water purification in remote areas. Science of the Total Environment, 2021, 786, 147424.	3.9	6
30	Immobilization of TBBPA on pyrogenic carbon subjected to natural organic matter under freezeâ€“thawing conditions: insights into surface functionalization, coverage processes and binding affinity. Environmental Science: Nano, 2020, 7, 472-485.	2.2	5
31	Photocatalytic disinfection for point-of-use water treatment using Ti3+ self-doping TiO2 nanoparticle decorated ceramic disk filter. Environmental Research, 2022, 212, 113602.	3.7	5
32	Factorial inferential grid grouping and representativeness analysis for a systematic selection of representative grids. Earth and Space Science, 2017, 4, 554-573.	1.1	3
33	Resources and environmental systems management under synchronic interval uncertainties. Stochastic Environmental Research and Risk Assessment, 2018, 32, 435-456.	1.9	1
34	Long-term effects of TBBPA-contaminated pyrogenic organic matter under abiotic aging: insights on immobilization capacity, surface functionality correlation, and phytotoxicity to Thinopyrum ponticum. Environmental Science: Nano, 2021, 8, 1896-1909.	2.2	1
35	Evaluate risks of coating reservoirs. Nature, 2015, 520, 33-33.	13.7	0