

# Yao Yao

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Low-Cost ceramic disk filters coated with Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) for drinking water disinfection and purification. <i>Separation and Purification Technology</i> , 2022, 292, 120999.	3.9	10
2	Perspectives on environmental applications of hexagonal boron nitride nanomaterials. <i>Nano Today</i> , 2022, 44, 101486.	6.2	60
3	Photocatalytic disinfection for point-of-use water treatment using Ti <sup>3+</sup> self-doping TiO <sub>2</sub> nanoparticle decorated ceramic disk filter. <i>Environmental Research</i> , 2022, 212, 113602.	3.7	5
4	Comprehensive evaluation of adsorption performances of carbonaceous materials for sulfonamide antibiotics removal. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2400-2414.	2.7	10
5	Long-term effects of TBBPA-contaminated pyrogenic organic matter under abiotic aging: insights on immobilization capacity, surface functionality correlation, and phytotoxicity to <i>Thinopyrum ponticum</i> . <i>Environmental Science: Nano</i> , 2021, 8, 1896-1909.	2.2	1
6	Life cycle-based water footprint analysis of ceramic filter for point-of-use water purification in remote areas. <i>Science of the Total Environment</i> , 2021, 786, 147424.	3.9	6
7	A review on graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) based hybrid membranes for water and wastewater treatment. <i>Science of the Total Environment</i> , 2021, 792, 148462.	3.9	51
8	Immobilization of TBBPA on pyrogenic carbon subjected to natural organic matter under freeze-thawing conditions: insights into surface functionalization, coverage processes and binding affinity. <i>Environmental Science: Nano</i> , 2020, 7, 472-485.	2.2	5
9	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
10	Plasma-induced poly(acrylic acid)-TiO <sub>2</sub> 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
11	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
12	Wastewater treatment in amine-based carbon capture. <i>Chemosphere</i> , 2019, 222, 742-756.	4.2	17
13	Resources and environmental systems management under synchronic interval uncertainties. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 435-456.	1.9	1
14	Performance of ceramic disk filter coated with nano ZnO for removing <i>Escherichia coli</i> from water in small rural and remote communities of developing regions. <i>Environmental Pollution</i> , 2018, 238, 52-62.	3.7	58
15	Emerging N-nitrosamines and N-nitramines from amine-based post-combustion CO <sub>2</sub> capture – A review. <i>Chemical Engineering Journal</i> , 2018, 335, 921-935.	6.6	94
16	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
17	Biophysiological and factorial analyses in the treatment of rural domestic wastewater using multi-soil-layering systems. <i>Journal of Environmental Management</i> , 2018, 226, 83-94.	3.8	24
18	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

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19	Transport of anionic azo dyes from aqueous solution to gemini surfactant-modified wheat bran: Synchrotron infrared, molecular interaction and adsorption studies. <i>Science of the Total Environment</i> , 2017, 595, 723-732.	3.9	55
20	High-resolution projections of 21st century climate over the Athabasca River Basin through an integrated evaluation-classification-downscaling-based climate projection framework. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2595-2615.	1.2	16
21	Effects of freeze-thawing cycles on desorption behaviors of PAH-contaminated soil in the presence of a biosurfactant: a case study in western Canada. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 874-882.	1.7	10
22	An Evaluation of CMIP5 GCM Simulations over the Athabasca River Basin, Canada. <i>River Research and Applications</i> , 2017, 33, 823-843.	0.7	12
23	Recursive multivariate principal-monotonicity inferential climate downscaling. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 2780-2796.	1.0	6
24	Emerging usage of electrocoagulation technology for oil removal from wastewater: A review. <i>Science of the Total Environment</i> , 2017, 579, 537-556.	3.9	309
25	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
26	Factorial inferential grid grouping and representativeness analysis for a systematic selection of representative grids. <i>Earth and Space Science</i> , 2017, 4, 554-573.	1.1	3
27	Removal of sulfonated humic acid from aqueous phase by modified coal fly ash waste: Equilibrium and kinetic adsorption studies. <i>Fuel</i> , 2016, 165, 264-271.	3.4	91
28	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. <i>Journal of Hazardous Materials</i> , 2015, 286, 144-151.	6.5	40
29	Evaluate risks of coating reservoirs. <i>Nature</i> , 2015, 520, 33-33.	13.7	0
30	Removal of Sulfonated Humic Acid through a Hybrid Electrocoagulation-Ultrafiltration Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 5793-5801.	1.8	19
31	A stepwise cluster analysis approach for downscaled climate projection - A Canadian case study. <i>Environmental Modelling and Software</i> , 2013, 49, 141-151.	1.9	80
32	Improved solubilities of PAHs by multi-component Gemini surfactant systems with different spacer lengths. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 423, 50-57.	2.3	32
33	Climate change impacts on Ontario wind power resource. <i>Environmental Systems Research</i> , 2012, 1, .	1.5	11
34	Performance of in-vessel composting of food waste in the presence of coal ash and uric acid. <i>Journal of Hazardous Materials</i> , 2012, 203-204, 38-45.	6.5	69
35	Dual inexact fuzzy chance-constrained programming for planning waste management systems. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010, 24, 1163-1174.	1.9	16