

# Junjie Shen

## List of Publications by Citations

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36  
papers

909  
citations

16  
h-index

29  
g-index

37  
ext. papers

1,226  
ext. citations

8.4  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
36	Removal of fluoride and uranium by nanofiltration and reverse osmosis: a review. <i>Chemosphere</i> , <b>2014</b> , 117, 679-91	8.4	162
35	Capacitive Deionization of Saline Water by Using MoS-Graphene Hybrid Electrodes with High Volumetric Adsorption Capacity. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 12668-12676	10.3	94
34	Factors affecting fluoride and natural organic matter (NOM) removal from natural waters in Tanzania by nanofiltration/reverse osmosis. <i>Science of the Total Environment</i> , <b>2015</b> , 527-528, 520-9	10.2	89
33	Efficient removal of metal ions by capacitive deionization with straw waste derived graphitic porous carbon nanosheets. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 317-326	7.1	42
32	Renewable energy powered membrane technology: Fluoride removal in a rural community in northern Tanzania. <i>Separation and Purification Technology</i> , <b>2015</b> , 149, 349-361	8.3	41
31	Renewable energy powered membrane technology: Case study of St. Dorcas borehole in Tanzania demonstrating fluoride removal via nanofiltration/reverse osmosis. <i>Separation and Purification Technology</i> , <b>2016</b> , 170, 445-452	8.3	40
30	Capacitive Removal of Heavy Metal Ions from Wastewater an Electro-Adsorption and Electro-Reaction Coupling Process. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 3333-3340	10.3	40
29	Enhanced adsorption of cationic and anionic dyes from aqueous solutions by polyacid doped polyaniline. <i>Synthetic Metals</i> , <b>2018</b> , 245, 151-159	3.6	40
28	Enhanced capacitive deionization of saline water using N-doped rod-like porous carbon derived from dual-ligand metal-organic frameworks. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 926-937	7.1	39
27	Photoactive and metal-free polyamide-based polymers for water and wastewater treatment under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 193, 226-233	21.8	33
26	Effect of polyacid dopants on the performance of polyaniline membranes in organic solvent nanofiltration. <i>Separation and Purification Technology</i> , <b>2018</b> , 204, 336-344	8.3	29
25	Removal of fluoride from water using activated carbon fibres modified with zirconium by a drop-coating method. <i>Chemosphere</i> , <b>2020</b> , 255, 126950	8.4	25
24	Seasonal variation of organic matter concentration and characteristics in the Maji ya Chai River (Tanzania): Impact on treatability by ultrafiltration. <i>Water Research</i> , <b>2016</b> , 101, 370-381	12.5	23
23	Effect of humic substances aggregation on the determination of fluoride in water using an ion selective electrode. <i>Chemosphere</i> , <b>2016</b> , 159, 66-71	8.4	20
22	A wide range and high resolution one-filtration molecular weight cut-off method for aqueous based nanofiltration and ultrafiltration membranes. <i>Journal of Membrane Science</i> , <b>2017</b> , 525, 304-311	9.6	19
21	Selective Capacitive Removal of Heavy Metal Ions from Wastewater over Lewis Base Sites of S-Doped Fe-N-C Cathodes an Electro-Adsorption Process. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7665-7673	10.3	16
20	Seasonal variation of organic matter characteristics and fluoride concentration in the Maji ya Chai River (Tanzania): Impact on treatability by nanofiltration/reverse osmosis. <i>Science of the Total Environment</i> , <b>2018</b> , 637-638, 1209-1220	10.2	16

19	Fe-, N-Embedded Hierarchically Porous Carbon Architectures Derived from FeTe-Trapped Zeolitic Imidazolate Frameworks as Efficient Oxygen Reduction Electrocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 19268-19276	8.3	15
18	Quantification of hormone-humic acid interactions in nanofiltration. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10597-604	10.3	15
17	Exploiting the electrical conductivity of poly-acid doped polyaniline membranes with enhanced durability for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , <b>2019</b> , 579, 11-21	9.6	14
16	Renewable energy powered membrane technology: Impact of pH and ionic strength on fluoride and natural organic matter removal. <i>Science of the Total Environment</i> , <b>2018</b> , 621, 138-147	10.2	14
15	Efficient defluoridation of water by Monetite nanorods. <i>Adsorption</i> , <b>2018</b> , 24, 135-145	2.6	12
14	WaterEnergy Nexus Perspectives in the Context of Photovoltaic-Powered Decentralized Water Treatment Systems: A Tanzanian Case Study. <i>Energy Technology</i> , <b>2017</b> , 5, 1112-1123	3.5	9
13	Capacitive Removal of Fluoride Ions via Creating Multiple Capture Sites in a Modulatory Heterostructure. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 11979-11986	10.3	9
12	From pollutant removal to resource recovery: A bibliometric analysis of municipal wastewater research in Europe. <i>Chemosphere</i> , <b>2021</b> , 284, 131267	8.4	9
11	Renewable energy powered membrane technology: Experimental investigation of system performance with variable module size and fluctuating energy. <i>Separation and Purification Technology</i> , <b>2019</b> , 221, 64-73	8.3	8
10	Renewable energy-powered membrane technology in Tanzanian communities. <i>Npj Clean Water</i> , <b>2018</b> , 1,	11.2	8
9	Beneficial synergy of adsorptionIntercalationConversion mechanisms in Nb2O5@nitrogen-doped carbon frameworks for promoted removal of metal ions via hybrid capacitive deionization. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 122-130	7.1	7
8	Fabrication of self-doped sulfonated polyaniline membranes with enhanced antifouling ability and improved solvent resistance. <i>Journal of Membrane Science</i> , <b>2021</b> , 620, 117712	9.6	6
7	Ligand and Solvent Selection for Enhanced Separation of Palladium Catalysts by Organic Solvent Nanofiltration. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 375	5	5
6	Greenhouse gas emissions associated with urban water infrastructure: What we have learnt from China's practice. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2021</b> , 8, e1529	5.7	3
5	Determining stability of organic solvent nanofiltration membranes by cross-flow aging. <i>Separation and Purification Technology</i> , <b>2021</b> , 256, 117840	8.3	3
4	Selective Ion Removal by Capacitive Deionization (CDI)-Based Technologies. <i>Processes</i> , <b>2022</b> , 10, 1075	2.9	2
3	Visualizing the landscape and evolution of capacitive deionization by scientometric analysis. <i>Desalination</i> , <b>2022</b> , 527, 115562	10.3	1
2	Investigating the role of dissolved inorganic and organic carbon in fluoride removal by membrane capacitive deionization. <i>Desalination</i> , <b>2022</b> , 528, 115618	10.3	1

1 SELF-ASSEMBLY OF BISMUTH SELENIDE TWO-DIMENSIONAL SUPERSTRUCTURE FROM  
HEXAGONAL NANOSHEETS. *Functional Materials Letters*, **2011**, 04, 245-248

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