

Yu-Ming Zheng

List of Publications by Year in descending order

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76
papers

4,771
citations

76326

40
h-index

95266

68
g-index

77
all docs

77
docs citations

77
times ranked

5690
citing authors

#	ARTICLE	IF	CITATIONS
1	Fish scale-based biochar with defined pore size and ultrahigh specific surface area for highly efficient adsorption of ciprofloxacin. <i>Chemosphere</i> , 2022, 287, 131962.	8.2	59
2	Adsorption of organic and inorganic arsenic from aqueous solution: Optimization, characterization and performance of Fe-Mn-Zr ternary magnetic sorbent. <i>Chemosphere</i> , 2022, 288, 132634.	8.2	19
3	Sago cycas-based hierarchical structured porous carbon for adsorption of acetone vapour: preparation, characterization and performance. <i>Environmental Science and Pollution Research</i> , 2022, 29, 19165-19175.	5.3	2
4	Spatially isolated CoNx quantum dots on carbon nanotubes enable a robust radical-free Fenton-like process. <i>Chemical Communications</i> , 2022, 58, 451-454.	4.1	5
5	Selective adsorption of trace gaseous ammonia from air by a sulfonic acid-modified silica xerogel: Preparation, characterization and performance. <i>Chemical Engineering Journal</i> , 2022, 443, 136357.	12.7	18
6	High performance electrospun thin-film composite forward osmosis membrane by tailoring polyamide active layer with polydopamine interlayer for desulfurization wastewater desalination. <i>Desalination</i> , 2022, 534, 115781.	8.2	11
7	Storage strategy of aerobic algae-bacteria granular consortia in photo-sequencing batch reactor. <i>Journal of Cleaner Production</i> , 2022, 363, 132410.	9.3	5
8	Designing triple-layer superhydrophobic/hydrophobic/hydrophilic nanofibrous membrane via electrohydrodynamic technique for enhanced anti-fouling and anti-wetting in wastewater treatment by membrane distillation. , 2022, 2, 100030.		4
9	Super-hydrophilic nanofiber substrate supported forward osmosis membrane with less polyamide layer defects by polydopamine-graphene oxide modification for high salinity desulfurization wastewater desalination. <i>Journal of Membrane Science</i> , 2022, 659, 120767.	8.2	13
10	A critical review on the electrospun nanofibrous membranes for the adsorption of heavy metals in water treatment. <i>Journal of Hazardous Materials</i> , 2021, 401, 123608.	12.4	192
11	Alleviation of Reverse Salt Leakage across Nanofiber Supported Thin-Film Composite Forward Osmosis Membrane via Heat-Curing in Hot Water. <i>Membranes</i> , 2021, 11, 237.	3.0	4
12	A Facile One-Pot Method for Fabricating Assembled Gold Nanoparticle Films with Tunable Morphologies Directly from Chloroauric Acid. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100925.	3.7	0
13	Future research needs for environmental science in China. <i>Geography and Sustainability</i> , 2021, , .	4.3	3
14	Multilevel structured TPU/PS/PA-6 composite membrane for high-efficiency airborne particles capture: Preparation, performance evaluation and mechanism insights. <i>Journal of Membrane Science</i> , 2021, 633, 119392.	8.2	32
15	Enhanced desalination performance of aluminium fumarate MOF-incorporated electrospun nanofiber membrane with bead-on-string structure for membrane distillation. <i>Desalination</i> , 2021, 520, 115338.	8.2	33
16	Rational design of pore structures for carbon aerogels to significantly increase adsorption of tetracycline from water using batch and fixed-bed operation. <i>Environmental Science: Nano</i> , 2021, 8, 3250-3261.	4.3	7
17	Experimental and theoretical analysis of loading characteristics of different electret media with various properties toward the design of ideal depth filtration for nanoparticles and fine particles. <i>Separation and Purification Technology</i> , 2020, 233, 116002.	7.9	30
18	Low-temperature synthesis of carbonate-intercalated NiFe-layered double hydroxides for enhanced adsorption properties. <i>Applied Surface Science</i> , 2020, 531, 147281.	6.1	24

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19	Hierarchically porous biochar for supercapacitor and electrochemical H ₂ O ₂ production. <i>Chemical Engineering Journal</i> , 2020, 402, 126171.	12.7	64
20	Catalytic degradation of ciprofloxacin by a visible-light-assisted peroxymonosulfate activation system: Performance and mechanism. <i>Water Research</i> , 2020, 173, 115559.	11.3	270
21	Sol-gel SiO ₂ on electrospun polyacrylonitrile nanofiber for efficient oil-in-water emulsion separation. <i>Journal of Materials Science</i> , 2020, 55, 16129-16142.	3.7	18
22	Ordered Mesoporous Carbon with Chitosan for Disinfection of Water via Capacitive Deionization. <i>Nanomaterials</i> , 2020, 10, 489.	4.1	7
23	Three-dimensional cubic ordered mesoporous carbon with chitosan for capacitive deionization disinfection of water. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15001-15010.	5.3	4
24	Omniphobic surface modification of electrospun nanofiber membrane via vapor deposition for enhanced anti-wetting property in membrane distillation. <i>Journal of Membrane Science</i> , 2020, 606, 118075.	8.2	49
25	Preparation, characterization and performance of an electrospun carbon nanofiber mat applied in hexavalent chromium removal from aqueous solution. <i>Journal of Environmental Sciences</i> , 2019, 77, 75-84.	6.1	33
26	Flexible and porous TiO ₂ /SiO ₂ /carbon composite electrospun nanofiber mat with enhanced interfacial charge separation for photocatalytic degradation of organic pollutants in water. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 156-166.	9.4	52
27	Polymer induced one-step interfacial self-assembly method for the fabrication of flexible, robust and free-standing SERS substrates for rapid on-site detection of pesticide residues. <i>Nanoscale</i> , 2019, 11, 12829-12836.	5.6	45
28	Facile synthesis of electrospun carbon nanofiber/graphene oxide composite aerogels for high efficiency oils absorption. <i>Environment International</i> , 2019, 128, 37-45.	10.0	68
29	Electrospun spongy zero-valent iron as excellent electro-Fenton catalyst for enhanced sulfathiazole removal by a combination of adsorption and electro-catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2019, 371, 576-585.	12.4	56
30	Synthesis of Silver Nanoparticles Embedded Electrospun PAN Nanofiber Thin-Film Composite Forward Osmosis Membrane to Enhance Performance and Antimicrobial Activity. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 984-993.	3.7	67
31	Enhanced adsorption of arsenite from aqueous solution by an iron-doped electrospun chitosan nanofiber mat: Preparation, characterization and performance. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 255-264.	9.4	40
32	Flexible electrospun MWCNTs/Ag ₃ PO ₄ /PAN ternary composite fiber membranes with enhanced photocatalytic activity and stability under visible-light irradiation. <i>Journal of Materials Science</i> , 2018, 53, 10147-10159.	3.7	20
33	Facile On-Site Aqueous Pollutant Monitoring Using a Flexible, Ultralight, and Robust Surface-Enhanced Raman Spectroscopy Substrate: Interface Self-Assembly of Au@Ag Nanocubes on a Polyvinyl Chloride Template. <i>Environmental Science & Technology</i> , 2018, 52, 5812-5820.	10.0	61
34	Rational Design of 3D Urchin-like FeMnO _x @FeOOH for Water Purification and Energy Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2991-3001.	6.7	16
35	Electrospun Chitosan Nanofiber Membrane for Adsorption of Cu(II) from Aqueous Solution: Fabrication, Characterization and Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5624-5635.	0.9	39
36	Facile co-precursor sol-gel synthesis of a novel amine-modified silica aerogel for high efficiency carbon dioxide capture. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 412-423.	9.4	51

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37	Self-sustained hydrophilic nanofiber thin film composite forward osmosis membranes: Preparation, characterization and application for simulated antibiotic wastewater treatment. <i>Journal of Membrane Science</i> , 2017, 523, 205-215.	8.2	95
38	Chapter 8 Arsenic in the Environment Source, Characteristics, and Technologies for Pollution Elimination. <i>Advances in Industrial and Hazardous Wastes Treatment Series</i> , 2016, , 255-288.	0.0	0
39	Functionalized chitosan electrospun nanofiber for effective removal of trace arsenate from water. <i>Scientific Reports</i> , 2016, 6, 32480.	3.3	75
40	Facile one-pot synthesis of urchin-like Fe ₃ O ₄ /Mn binary oxide nanoparticles for effective adsorption of Cd(II) from water. <i>RSC Advances</i> , 2016, 6, 103438-103445.	3.6	26
41	Assessment of the fate of silver nanoparticles in the A2O-MBR system. <i>Science of the Total Environment</i> , 2016, 544, 901-907.	8.0	8
42	Preparation of chitosan based electrospun nanofiber membrane and its adsorptive removal of arsenate from aqueous solution. <i>Chemical Engineering Journal</i> , 2015, 267, 132-141.	12.7	130
43	Removal of tetracycline from aqueous solution by a Fe ₃ O ₄ incorporated PAN electrospun nanofiber mat. <i>Journal of Environmental Sciences</i> , 2015, 28, 29-36.	6.1	55
44	Synthesis of Fe ₃ O ₄ /Polyacrylonitrile Composite Electrospun Nanofiber Mat for Effective Adsorption of Tetracycline. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14573-14583.	8.0	256
45	Ammonia recovery from anaerobic digester effluent through direct aeration. <i>Chemical Engineering Journal</i> , 2015, 279, 31-37.	12.7	75
46	Thermal Conversion of Hazardous Metal Copper via the Preparation of CuAl ₂ O ₄ Spinel-based Ceramic Membrane for Potential Stabilization of Simulated Copper-Rich Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2611-2618.	6.7	13
47	Separation of tetracycline from wastewater using forward osmosis process with thin film composite membrane – Implications for antibiotics recovery. <i>Separation and Purification Technology</i> , 2015, 153, 76-83.	7.9	81
48	Self-Assembly of Au Nanoparticles on PMMA Template as Flexible, Transparent, and Highly Active SERS Substrates. <i>Analytical Chemistry</i> , 2014, 86, 6262-6267.	6.5	179
49	Electrochemical Decoloration of Synthetic Wastewater Containing Rhodamine 6G: Behaviors and Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5953-5960.	3.7	45
50	Removal of arsenite from aqueous solution by a zirconia nanoparticle. <i>Chemical Engineering Journal</i> , 2012, 188, 15-22.	12.7	92
51	Removal of methylated arsenic using a nanostructured zirconia-based sorbent: Process performance and adsorption chemistry. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 362-369.	9.4	32
52	A low-energy intensive electrochemical system for the eradication of Escherichia coli from ballast water: Process development, disinfection chemistry, and kinetics modeling. <i>Marine Pollution Bulletin</i> , 2012, 64, 1238-1245.	5.0	27
53	Functionalization of Regenerated Cellulose Membrane via Surface Initiated Atom Transfer Radical Polymerization for Boron Removal from Aqueous Solution. <i>Langmuir</i> , 2011, 27, 6018-6025.	3.5	63
54	Desalination of Seawater by Thermal Distillation and Electrodialysis Technologies. , 2011, , 525-558.		5

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55	Improvement of metal adsorption onto chitosan/Sargassum sp. composite sorbent by an innovative ion-imprint technology. <i>Water Research</i> , 2011, 45, 145-154.	11.3	152
56	Uptake of methylated arsenic by a polymeric adsorbent: Process performance and adsorption chemistry. <i>Water Research</i> , 2011, 45, 2290-2296.	11.3	38
57	Design and fabrication of an innovative and environmental friendly adsorbent for boron removal. <i>Water Research</i> , 2011, 45, 2297-2305.	11.3	103
58	Electrochemical disinfection for ballast water management: Technology development and risk assessment. <i>Marine Pollution Bulletin</i> , 2011, 63, 119-123.	5.0	46
59	Adsorptive removal of arsenic from aqueous solution by a PVDF/zirconia blend flat sheet membrane. <i>Journal of Membrane Science</i> , 2011, 374, 1-11.	8.2	143
60	A zirconium based nanoparticle for significantly enhanced adsorption of arsenate: Synthesis, characterization and performance. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 785-792.	9.4	111
61	Application of nuclear magnetic resonance spectroscopy, Fourier transform infrared spectroscopy, UV-Visible spectroscopy and kinetic modeling for elucidation of adsorption chemistry in uptake of tetracycline by zeolite beta. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 261-267.	9.4	65
62	Enhanced adsorption of arsenate onto a natural polymer-based sorbent by surface atom transfer radical polymerization. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 234-239.	9.4	42
63	Characterization of hexavalent chromium interaction with Sargassum by X-ray absorption fine structure spectroscopy, X-ray photoelectron spectroscopy, and quantum chemistry calculation. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 741-748.	9.4	39
64	Treatment of Food Industry Foods and Wastes by Membrane Filtration. , 2011, , 237-269.		5
65	Systematic study of synergistic and antagonistic effects on adsorption of tetracycline and copper onto a chitosan. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 117-125.	9.4	229
66	Effect of Hexavalent Chromium on Performance of Membrane Bioreactor in Wastewater Treatment. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 796-805.	1.4	6
67	Removal of copper by calcium alginate encapsulated magnetic sorbent. <i>Chemical Engineering Journal</i> , 2009, 152, 509-513.	12.7	72
68	Uptake of arsenate by an alginate-encapsulated magnetic sorbent: Process performance and characterization of adsorption chemistry. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 33-39.	9.4	47
69	Preparation and characterization of zirconium-based magnetic sorbent for arsenate removal. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 22-29.	9.4	79
70	Electrochemical Removal of Rhodamine 6G by Using RuO ₂ Coated Ti DSA. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 7466-7473.	3.7	52
71	Organic Arsenic Adsorption onto a Magnetic Sorbent. <i>Langmuir</i> , 2009, 25, 4973-4978.	3.5	133
72	Characterization of Copper Adsorption onto an Alginate Encapsulated Magnetic Sorbent by a Combined FT-IR, XPS, and Mathematical Modeling Study. <i>Environmental Science & Technology</i> , 2008, 42, 2551-2556.	10.0	295

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73	Determination of the pore size distribution and porosity of aerobic granules using size-exclusion chromatography. <i>Water Research</i> , 2007, 41, 39-46.	11.3	76
74	Formation and instability of aerobic granules under high organic loading conditions. <i>Chemosphere</i> , 2006, 63, 1791-1800.	8.2	194
75	Physical and chemical characteristics of granular activated sludge from a sequencing batch airlift reactor. <i>Process Biochemistry</i> , 2005, 40, 645-650.	3.7	137
76	Influence of NaCl on Hydrogen Production from Glucose by Anaerobic Cultures. <i>Environmental Technology (United Kingdom)</i> , 2005, 26, 1073-1080.	2.2	20