

# Sheng-Jie You

## List of Publications by Year in descending order

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66  
papers

5,637  
citations

147726

31  
h-index

110317

64  
g-index

68  
all docs

68  
docs citations

68  
times ranked

6238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antifouling catalytic mixed-matrix membranes based on polyethersulfone and composition-optimized Zn-Cu-Fe-O CWAO catalyst under dark ambient conditions. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	10
2	Visible light driven photocatalytic coating of PAA plasma-grafted PVDF membrane by TiO <sub>2</sub> doped with lanthanum recovered from waste fluorescent powder. Environmental Engineering Research, 2022, 27, 210144-0.	1.5	5
3	Degradation of contaminants in plasma technology: An overview. Journal of Hazardous Materials, 2022, 424, 127390.	6.5	61
4	Modifications of conventional organic membranes with photocatalysts for antifouling and self-cleaning properties applied in wastewater filtration and separation processes: A review. Separation Science and Technology, 2022, 57, 1471-1500.	1.3	11
5	Impact of climatic and non-climatic stressors on ocean life and human health: A review. Science of the Total Environment, 2022, 821, 153387.	3.9	16
6	S-Scheme Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Nanocomposites as Heterojunction Photocatalysts for Antibiotic Degradation. ACS Applied Nano Materials, 2022, 5, 4506-4514.	2.4	59
7	Comparison of degradation kinetics of tannery wastewater treatment using a nonlinear model by salt-tolerant Nitrosomonas sp. and Nitrobacter sp.. Bioresource Technology, 2022, 351, 127000.	4.8	9
8	Non-fluoroalkyl functionalized hydrophobic surface modifications used in membrane distillation for cheaper and more environmentally friendly applications: A mini-review. Sustainable Chemistry and Pharmacy, 2022, 28, 100714.	1.6	6
9	Influence of C/N ratios on treatment performance and biomass production during co-culture of microalgae and activated sludge. Science of the Total Environment, 2022, 837, 155832.	3.9	19
10	Application of plasma technology for treating e-waste: A review. Journal of Environmental Management, 2021, 288, 112380.	3.8	33
11	Constructing g-C <sub>3</sub> N <sub>4</sub> /SnO <sub>2</sub> S-scheme heterojunctions for efficient photocatalytic NO removal and low NO <sub>2</sub> generation. Journal of Science: Advanced Materials and Devices, 2021, 6, 551-559.	1.5	11
12	SnO <sub>2</sub> Nanoparticles Decorated on Graphitic Carbon Nitride as S-Scheme Photocatalysts for Activation of Peroxymonosulfate. ACS Applied Nano Materials, 2021, 4, 9333-9343.	2.4	24
13	Straightforward Synthesis of SnO <sub>2</sub> /Bi <sub>2</sub> S <sub>3</sub> /BiOCl Composites for Drastically Enhancing Rhodamine B Photocatalytic Degradation under Visible Light. ACS Omega, 2020, 5, 20438-20449.	1.6	40
14	Effect of shell powder on removal of metals and volatile organic compounds (VOCs) from resin in an atmospheric-pressure microwave plasma reactor. Journal of Hazardous Materials, 2020, 394, 122558.	6.5	36
15	Economic and environmental evaluation of flux agents in the vitrification of resin waste: A SWOT analysis. Journal of Environmental Management, 2020, 270, 110910.	3.8	19
16	Simultaneous recovery of rare earth elements from waste permanent magnets (WPMs) leach liquor by solvent extraction and hollow fiber supported liquid membrane. Chemical Engineering and Processing: Process Intensification, 2020, 148, 107831.	1.8	61
17	Recovery of Neodymium from Waste Permanent Magnets by Hydrometallurgy Using Hollow Fibre Supported Liquid Membranes. Solvent Extraction Research and Development, 2020, 27, 69-80.	0.5	10
18	Investigation on Photocatalytic Removal of NO under Visible Light over Cr-Doped ZnO Nanoparticles. ACS Omega, 2019, 4, 12853-12859.	1.6	55

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19	Recovery of rare earth elements from waste permanent magnet (WPMs) via selective leaching using the Taguchi method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 97, 137-145.	2.7	32
20	SnO <sub>2</sub> /TiO <sub>2</sub> nanotube heterojunction: The first investigation of NO degradation by visible light-driven photocatalysis. <i>Chemosphere</i> , 2019, 215, 323-332.	4.2	108
21	Highly efficient removal of hazardous aromatic pollutants by micro-nano spherical carbons synthesized from different chemical activation methods: a comparison study. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1376-1391.	1.2	14
22	Synthesis of ternary g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> /TiO <sub>2</sub> nanotube composite photocatalysts for the decolorization of dyes under visible light and direct sunlight irradiation. <i>Green Processing and Synthesis</i> , 2018, 7, 493-505.	1.3	23
23	Activated carbons from golden shower upon different chemical activation methods: Synthesis and characterizations. <i>Adsorption Science and Technology</i> , 2018, 36, 95-113.	1.5	85
24	Hydrothermal synthesis, characterization, and photocatalytic activity of silicon doped TiO <sub>2</sub> nanotubes. <i>Superlattices and Microstructures</i> , 2018, 123, 447-455.	1.4	29
25	Insight into the Photocatalytic Mechanism of Tin Dioxide/Polyaniline Nanocomposites for NO Degradation under Solar Light. <i>ACS Applied Nano Materials</i> , 2018, 1, 5786-5794.	2.4	39
26	Insights into the mechanism of cationic dye adsorption on activated charcoal: The importance of π-π interactions. <i>Chemical Engineering Research and Design</i> , 2017, 107, 168-180.	2.7	252
27	Mistakes and inconsistencies regarding adsorption of contaminants from aqueous solutions: A critical review. <i>Water Research</i> , 2017, 120, 88-116.	5.3	1,811
28	Insight into adsorption mechanism of cationic dye onto agricultural residues-derived hydrochars: Negligible role of π-π interaction. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1708-1720.	1.2	76
29	Fast and efficient adsorption of methylene green 5 on activated carbon prepared from new chemical activation method. <i>Journal of Environmental Management</i> , 2017, 188, 322-336.	3.8	229
30	Performance of electro dialysis reversal and reverse osmosis for reclaiming wastewater from high-tech industrial parks in Taiwan: A pilot-scale study. <i>Journal of Environmental Management</i> , 2017, 187, 393-400.	3.8	30
31	Self-cleaning and antifouling properties of plasma-grafted poly(vinylidene fluoride) membrane coated with ZnO for water treatment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 15-22.	2.7	59
32	Imaging the effect of aeration on particle fouling mitigation in a submerged membrane filtration using a photointerrupt sensor array. <i>Separation Science and Technology</i> , 2017, 52, 228-239.	1.3	2
33	Insight into the adsorption mechanism of cationic dye onto biosorbents derived from agricultural wastes. <i>Chemical Engineering Communications</i> , 2017, 204, 1020-1036.	1.5	109
34	Sustainable Biochar Derived from Agricultural Wastes for Removal of Methylene Green 5 from Aqueous Solution: Adsorption Kinetics, Isotherms, Thermodynamics, and Mechanism Analysis. , 2017, , 255-292.		4
35	Recovery of Indium from LCD Waste by Solvent Extraction and the Supported Liquid Membrane with Strip Dispersion Using D&lt;sub>2&lt;/sub>&lt;sub>EHPA&lt;/sub> as the Extractant. <i>Solvent Extraction Research and Development</i> , 2016, 23, 63-73.	0.5	17
36	Thermodynamic parameters of cadmium adsorption onto orange peel calculated from various methods: A comparison study. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2671-2682.	3.3	482

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37	Effect of pyrolysis temperatures and times on the adsorption of cadmium onto orange peel derived biochar. <i>Waste Management and Research</i> , 2016, 34, 129-138.	2.2	175
38	Photodegradation of Reactive Black 5 in a ZnO/UV slurry membrane reactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 49, 136-141.	2.7	51
39	Incorporation of zinc for fabrication of low-cost spinel-based composite ceramic membrane support to achieve its stabilization. <i>Journal of Hazardous Materials</i> , 2015, 287, 188-196.	6.5	18
40	Combined photocatalysis and membrane bioreactor for the treatment of feedwater containing thin film transistor-liquid crystal display discharge. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2681-2690.	1.2	4
41	Coal fly ash industrial waste recycling for fabrication of mullite-whisker-structured porous ceramic membrane supports. <i>RSC Advances</i> , 2015, 5, 11163-11174.	1.7	62
42	Dye degradation and antifouling properties of polyvinylidene fluoride/titanium oxide membrane prepared by sol-gel method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 192-201.	2.7	37
43	Pore size and flux behavior of polyvinylidene fluoride and polymethyl vinyl ether-alt-maleic anhydride with TiO <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2014, 241, 513-520.	6.6	7
44	Application of magnetic <sup>13</sup> -Fe <sub>2</sub> O <sub>3</sub> to reduce membrane fouling. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 317-324.	2.7	5
45	Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: Performance, mechanisms, and implications. <i>Bioresource Technology</i> , 2014, 155, 395-409.	4.8	138
46	Fouling reduction in membrane reactor through magnetic particles. <i>Journal of Membrane Science</i> , 2013, 435, 62-70.	4.1	36
47	Degradation of 2-chlorophenol using carbon nanotube/titanium oxide composite prepared by hydrothermal method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 432-437.	2.7	12
48	Evaluation of the antifouling and photocatalytic properties of poly(vinylidene fluoride) plasma-grafted poly(acrylic acid) membrane with self-assembled TiO <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2012, 237-238, 10-19.	6.5	121
49	Investigation on the conditions mitigating membrane fouling caused by TiO <sub>2</sub> deposition in a membrane photocatalytic reactor (MPR) used for dye wastewater treatment. <i>Journal of Hazardous Materials</i> , 2012, 203-204, 348-356.	6.5	37
50	Ultrasound pre-treatment step for performance enhancement in an aerobic sludge digestion process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 801-808.	2.7	33
51	Metabolic influence of lead on polyhydroxyalkanoates (PHA) production and phosphate uptake in activated sludge fed with glucose or acetic acid as carbon source. <i>Bioresource Technology</i> , 2011, 102, 8165-8170.	4.8	19
52	Effect of sludge retention time on sludge properties and membrane fouling of different hydrophobic PTFE membranes. <i>Desalination and Water Treatment</i> , 2011, 30, 105-113.	1.0	8
53	Extracellular polymeric substance characteristics and fouling formation mechanisms in submerged membrane bioreactors. <i>Desalination and Water Treatment</i> , 2010, 18, 175-181.	1.0	7
54	Performance of an integrated membrane photocatalytic reactor for the removal of Reactive Black 5. <i>Separation and Purification Technology</i> , 2010, 71, 44-49.	3.9	69

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55	Coupling of membrane separation with photocatalytic slurry reactor for advanced dye wastewater treatment. <i>Separation and Purification Technology</i> , 2010, 76, 64-71.	3.9	128
56	Degradation of Reactive Black 5 dye using anaerobic/aerobic membrane bioreactor (MBR) and photochemical membrane reactor. <i>Journal of Hazardous Materials</i> , 2010, 177, 1112-1118.	6.5	63
57	Effects of Heavy Metals on the Specific Ammonia and Nitrate Uptake Rates in Activated Sludge. <i>Environmental Engineering Science</i> , 2009, 26, 1207-1215.	0.8	14
58	Anaerobic decolorization bacteria for the treatment of azo dye in a sequential anaerobic and aerobic membrane bioreactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2009, 40, 500-504.	2.7	71
59	Effect of heavy metals on nitrification performance in different activated sludge processes. <i>Journal of Hazardous Materials</i> , 2009, 165, 987-994.	6.5	103
60	Performance and dye-degrading bacteria isolation of a hybrid membrane process. <i>Journal of Hazardous Materials</i> , 2009, 172, 172-179.	6.5	18
61	Study the self cleaning, antibacterial and photocatalytic properties of TiO <sub>2</sub> entrapped PVDF membranes. <i>Journal of Hazardous Materials</i> , 2009, 172, 1321-1328.	6.5	429
62	Estimation of the Diversity of Denitrifying Bacteria in a Membrane Bioreactor by PCR Amplification with nir Gene Probes. <i>Environmental Engineering Science</i> , 2008, 25, 1301-1310.	0.8	2
63	Effect of Cd(II) on Different Bacterial Species Present in a Single Sludge Activated Sludge Process for Carbon and Nutrient Removal. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 173-180.	0.7	21
64	Effect of cadmium on composition and diversity of bacterial communities in activated sludges. <i>International Biodeterioration and Biodegradation</i> , 2005, 55, 285-291.	1.9	49
65	Identification of Denitrifying Bacteria Diversity in an Activated Sludge System by using Nitrite Reductase Genes. <i>Biotechnology Letters</i> , 2005, 27, 1477-1482.	1.1	17
66	Optimization of operational parameters in air-gap membrane distillation using central composite design applied in recovery of dye manufacturing wastewaters. <i>Separation Science and Technology</i> , 0, , 1-17.	1.3	0