Chengwen Song

List of Publications by Year
in descending order

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54 papers	1,599 citations	257101 24 h-index	301761 39 g-index
54 all docs	54 docs citations	54 times ranked	1428 citing authors

#	Article	IF	Citations
1	Hierarchical flaky porous carbon derived from waste polyimide film for highâ€performance aqueous supercapacitor electrodes. International Journal of Energy Research, 2022, 46, 370-382.	2.2	27
2	Insights into the impact of polydopamine modification on permeability and anti-fouling performance of forward osmosis membrane. Chemosphere, 2022, 291, 132744.	4.2	10
3	Preparation and performance of polyaniline modified coal-based carbon membrane for electrochemical filtration treatment of organic wastewater. Separation and Purification Technology, 2022, 287, 120600.	3.9	18
4	Silver nanoparticlesâ€polydopamineâ€wax gourd: An antimicrobial solar evaporator with enhanced steam generation. International Journal of Energy Research, 2022, 46, 8949-8961.	2.2	23
5	Preparation and application of high-performance and acid-tolerant TiO2/carbon electrocatalytic membrane for organic wastewater treatment. Chemosphere, 2022, 296, 134017.	4.2	12
6	High performance polypyrrole coated carbon-based electrocatalytic membrane for organic contaminants removal from aqueous solution. Journal of Colloid and Interface Science, 2022, 626, 283-295.	5.0	9
7	Highâ€performance desalination of highâ€salinity reverse osmosis brine by direct contact membrane distillation using superhydrophobic membranes. Journal of Applied Polymer Science, 2021, 138, 49768.	1.3	5
8	Morphology-controlled synthesis of ZnSnO3 hollow spheres and their n-butanol gas-sensing performance. Ceramics International, 2021, 47, 2471-2482.	2.3	39
9	Carbon-based membrane materials and applications in water and wastewater treatment: a review. Environmental Chemistry Letters, 2021, 19, 1457-1475.	8.3	55
10	In-situ silica nanoparticle assembly technique to develop an omniphobic membrane for durable membrane distillation. Desalination, 2021, 499, 114832.	4.0	53
11	Preparation of Metal-Incorporated SAPO-34 catalysts and their Catalytic Performance in Selective Catalytic Reduction of Nitric Oxide. Materials Research, 2021, 24, .	0.6	1
12	Synthesis of WO3 Nanorods and Their Excellent Ethanol Gas-Sensing Performance. Materials Research, 2021, 24, .	0.6	7
13	The enhanced catalytic activity of Cu/SAPO-34 by ion exchange method for selective catalytic reduction of nitric oxide. Materials Research Express, 2021, 8, 025507.	0.8	1
14	Facile synthesis of W18O49/Graphene nanocomposites for highly sensitive ethanol gas sensors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126300.	2.3	10
15	A simple, flexible, and porous polypyrroleâ€wax gourd evaporator with excellent light absorption for efficient solar steam generation. International Journal of Energy Research, 2021, 45, 21476-21486.	2.2	14
16	A self-floating, salt-resistant 3D Janus radish-based evaporator for highly efficient solar desalination. Desalination, 2021, 510, 115093.	4.0	67
17	Facile fabrication of low-cost starch-based biohydrogel evaporator for efficient solar steam generation. Desalination, 2021, 517, 115260.	4.0	38
18	Facile morphology-controlled synthesis of ZnO electrocatalysts on coal-based carbon membrane for antibiotics wastewater treatment. Journal of Membrane Science, 2021, 639, 119734.	4.1	13

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19	Low-cost electrochemical filtration carbon membrane prepared from coal via self-bonding. Chemical Engineering Journal, 2020, 385, 123928.	6.6	35
20	Enhanced Permeability and Removal Efficiency for Phenol and Perfluorooctane Sulphonate by a Multifunctional CNT/Al₂O₃ Membrane with Electrochemical Assistance. Journal of Nanoscience and Nanotechnology, 2020, 20, 5951-5958.	0.9	3
21	Preparation and characterization of high-performance electrospun forward osmosis membrane by introducing a carbon nanotube interlayer. Journal of Membrane Science, 2020, 616, 118563.	4.1	45
22	Electrospun reduced graphene oxide/polyacrylonitrile membrane for high-performance solar evaporation. Solar Energy, 2020, 209, 325-333.	2.9	54
23	Low cost, facile, environmentally friendly all biomass-based squid ink-starch hydrogel for efficient solar-steam generation. Journal of Materials Chemistry A, 2020, 8, 24108-24116.	5.2	55
24	Morphology-Controlled Synthesis of BiVO₄ Materials and Their Ethanol Gas Sensing Properties. IEEE Access, 2020, 8, 24941-24947.	2.6	8
25	High-performance electrocatalytic microfiltration CuO/Carbon membrane by facile dynamic electrodeposition for small-sized organic pollutants removal. Journal of Membrane Science, 2020, 601, 117913.	4.1	43
26	Developments of Carbon-Based Membrane Materials for Water Treatment. Environmental Chemistry for A Sustainable World, 2020, , 121-175.	0.3	1
27	Efficient Technique for Simultaneous Lead Recovery and PbO₂/Ti Electrode Preparation for Electrocatalytic Degradation of Basic Red. Journal of Nanoscience and Nanotechnology, 2020, 20, 5874-5884.	0.9	3
28	Degradation of phenol by coal-based carbon membrane integrating sulfate radicals-based advanced oxidation processes. Ecotoxicology and Environmental Safety, 2019, 185, 109662.	2.9	28
29	Ethanol Monitoring Gas Sensor Based on Flower-Shaped Copper Sulfide by a Facile Hydrothermal Method for Marine Transportation. Journal of Materials Engineering and Performance, 2019, 28, 6649-6655.	1.2	9
30	Membrane technology coupled with electrochemical advanced oxidation processes for organic wastewater treatment: Recent advances and future prospects. Chemical Engineering Journal, 2019, 376, 120909.	6.6	156
31	Electrochemical microfiltration treatment of bisphenol A wastewater using coal-based carbon membrane. Separation and Purification Technology, 2019, 227, 115695.	3.9	51
32	Preparation of a novel double-skinned forward osmosis membrane by reserve draw solute in support layer. Environmental Science: Water Research and Technology, 2019, 5, 2124-2131.	1.2	1
33	Enhanced removal ability of phenol from aqueous solution using coal-based carbon membrane coupled with electrochemical oxidation process. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 540, 186-193.	2.3	30
34	Improved oil removal ability by the integrated electrocoagulation (EC)-carbon membrane coupling with electrochemical anodic oxidation (CM/EAO) system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 559, 305-313.	2.3	22
35	Enhanced Treatment Ability of Membrane Technology by Integrating an Electric Field for Dye Wastewater Treatment: A Review. Journal of AOAC INTERNATIONAL, 2018, 101, 1341-1352.	0.7	23
36	Ultra-fast responding and recovering ethanol sensors based on CdS nanospheres doped with graphene. Applied Surface Science, 2018, 453, 513-519.	3.1	27

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37	A novel strategy for the removal of rhodamine B (RhB) dye from wastewater by coal-based carbon membranes coupled with the electric field. Separation and Purification Technology, 2017, 179, 175-183.	3.9	64
38	Coal-Based Carbon Membrane Coupled with Electrochemical Oxidation Process for the Enhanced Microalgae Removal from Simulated Ballast Water. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	11
39	Assessment of Heavy Metal Contamination in the Sediments of the Shuangtaizi Estuary Using Multivariate Statistical Techniques. Soil and Sediment Contamination, 2017, 26, 45-58.	1.1	13
40	Enhanced separation performance of coal-based carbon membranes coupled with an electric field for oily wastewater treatment. Separation and Purification Technology, 2016, 168, 47-56.	3.9	71
41	The design of coal-based carbon membrane coupled with the electric field and its application on the treatment of malachite green (MG) aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 629-636.	2.3	31
42	Morphologically controlled synthesis of porous Mn2O3microspheres and their catalytic applications on the degradation of methylene blue. Desalination and Water Treatment, 2016, 57, 7079-7084.	1.0	6
43	Preparation of Bi2MoO6 Nanomaterials and Theirs Gas-Sensing Properties. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 294-301.	1.9	24
44	Preparation and gas sensing properties of partially broken WO3 nanotubes. Vacuum, 2015, 114, 13-16.	1.6	46
45	Spatial distribution and risk assessment of heavy metals in sediments of Shuangtaizi estuary, China. Marine Pollution Bulletin, 2015, 98, 358-364.	2.3	54
46	Nitrogen oxide gas-sensing characteristics of hierarchical Bi2WO6 microspheres prepared by a hydrothermal method. Materials Science in Semiconductor Processing, 2015, 40, 463-467.	1.9	28
47	Synthesis, Characterization, and Gas Sensing Applications of WO3 Nanobricks. Journal of Materials Engineering and Performance, 2015, 24, 3026-3031.	1.2	8
48	Preparation and gas separation performance of supported carbon membranes with ordered mesoporous carbon interlayer. Journal of Membrane Science, 2014, 450, 469-477.	4.1	49
49	Preparation of porous and hollow Mn2O3 microspheres and their adsorption studies on heavy metal ions from aqueous solutions. Journal of Industrial and Engineering Chemistry, 2014, 20, 3128-3133.	2.9	10
50	Pore structure prediction of coal-based microfiltration carbon membranes. Science Bulletin, 2010, 55, 1325-1330.	1.7	3
51	Effect of carbonization atmosphere on the structure changes of PAN carbon membranes. Journal of Porous Materials, 2009, 16, 197-203.	1.3	42
52	Oil Fingerprinting by Three-Dimensional (3D) Fluorescence Spectroscopy and Gas Chromatographyâ€“Mass Spectrometry (GCâ€“MS). Environmental Forensics, 2009, 10, 324-330.	1.3	8
53	Preparation of coal-based microfiltration carbon membrane and application in oily wastewater treatment. Separation and Purification Technology, 2006, 51, 80-84.	3.9	133
54	Synthesis of FeVO 4 Nanoparticles and Sensing Performance for Ethanol Gas under Different Solution pH. Crystal Research and Technology, 0, , 2100110.	0.6	2