

Yang Wang

List of Publications by Year in descending order

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papers

542
citations

567281

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36
docs citations

36
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlayer Spacing Regulation of NiCo-LDH Nanosheets with Ultrahigh Specific Capacity for Battery-Type Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 56692-56703.	8.0	61
2	Thermal and kinetic analyzing of pyrolysis and combustion of self-heating biomass particles. Chemical Engineering Research and Design, 2021, 151, 39-50.	5.6	47
3	Editors' Choice Review Activated Carbon Electrode Design: Engineering Tradeoff with Respect to Capacitive Deionization Performance. Journal of the Electrochemical Society, 2020, 167, 143501.	2.9	47
4	Graphite felt 3D framework composites as an easy to scale capacitive deionization electrode for brackish water desalination. Chemical Engineering Journal, 2020, 392, 123698.	12.7	40
5	Degradation of Acid Red 73 by Activated Persulfate in a Heat/ Fe_3O_4 @AC System with Ultrasound Intensification. ACS Omega, 2020, 5, 13739-13750.	3.5	32
6	Enhanced surface activity of activated carbon by surfactants synergism. RSC Advances, 2019, 9, 26519-26531.	3.6	31
7	A three-dimensional NiCo-LDH array modified halloysite nanotube composite for high-performance battery-type supercapacitor. Journal of Alloys and Compounds, 2021, 884, 161162.	5.5	27
8	Three-dimensional electrode design with conductive fibers and ordered macropores for enhanced capacitive deionization performance. Desalination, 2021, 498, 114794.	8.2	22
9	Dispersion of carbon dioxide plume in street canyons. Chemical Engineering Research and Design, 2018, 116, 235-242.	5.6	20
10	Experimental investigation on flow-induced vibration of flexible multi cylinders in atmospheric boundary layer. International Journal of Mechanical Sciences, 2020, 183, 105815.	6.7	20
11	Experimental and numerical study on the dispersion of heavy gases in urban environments. Chemical Engineering Research and Design, 2018, 116, 640-653.	5.6	18
12	Accident consequence calculation of ammonia dispersion in factory area. Journal of Loss Prevention in the Process Industries, 2020, 67, 104271.	3.3	18
13	The effect of vortices structures on the flow-induced vibration of three flexible tandem cylinders. International Journal of Mechanical Sciences, 2021, 192, 106132.	6.7	18
14	Toward a high performance and strong resilience wind energy harvester assembly utilizing flow-induced vibration: Role of hysteresis. Energy, 2022, 251, 123921.	8.8	17
15	Effects of Solvent Molecules on the Interlayer Spacing of Graphene Oxide. Transactions of Tianjin University, 2018, 24, 555-562.	6.4	16
16	Influence of Surface Potential on the Capacitive Performance of the TiO_2 Thin-Film Electrode with Different Crystalline Forms. Langmuir, 2020, 36, 3836-3842.	3.5	16
17	Importance of Protons and Specifically Adsorbing Ions on Changing Capacitance, Space Charge Potential Inside the Solid, and the Interfacial Potential at the TiO_2 Aqueous Solution Interface. Electrochimica Acta, 2016, 219, 577-587.	5.2	15
18	Vibration mode and velocity interference mechanism of tandem cylinders at subcritical Reynolds number. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 199, 104136.	3.9	14

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19	Influence of Solution Chemistry on the Dielectric Properties of TiO ₂ Thin-Film Porous Electrodes. Journal of Physical Chemistry C, 2016, 120, 21543-21551.	3.1	11
20	An energy-based model for impact-sliding fretting wear between tubes and anti-vibration bars in steam generators. Tribology International, 2020, 148, 106305.	5.9	11
21	Experimental investigation of impact-sliding interaction and fretting wear between tubes and anti-vibration bars in steam generators. Nuclear Engineering and Technology, 2020, 52, 1304-1317.	2.3	8
22	Separation of exfoliated tumor cells from viscoelastic pleural effusion using a microfluidic sandwich structure. Analytical and Bioanalytical Chemistry, 2020, 412, 5513-5523.	3.7	8
23	Importance of Anode/Cathode Mass Loadings on Capacitive Deionization Performance. Journal of the Electrochemical Society, 2021, 168, 053503.	2.9	8
24	The rheological behavior of graphite oxide/cationic polyacrylamide suspensions. RSC Advances, 2016, 6, 102938-102946.	3.6	7
25	Self-Sustaining Smoldering Characteristics of Corn Straw Powder Stacks. ACS Omega, 2021, 6, 9928-9939.	3.5	3
26	Aerodynamic wake oscillator for modeling flow-induced vibration of tandem cylinders with short spans. International Journal of Mechanical Sciences, 2021, 204, 106548.	6.7	3
27	An investigation of impact-sliding behavior and fretting wear of tubes against different supports in steam generators. Industrial Lubrication and Tribology, 2020, 72, 1295-1301.	1.3	2
28	New Approach for Vibration Suppression through Restrictors on Towering Steel Columns with Supporting Frame. Mathematical Problems in Engineering, 2020, 2020, 1-16.	1.1	1
29	Risk and characteristics analysis of the flow-induced vibration of the dip tube in opposed multi-burner gasifier. Journal of Loss Prevention in the Process Industries, 2021, 71, 104508.	3.3	1
30	Influence of Interfacial Properties on the Capacitive Deionization Performance of TiO ₂ Thin-Film. ECS Meeting Abstracts, 2018, , .	0.0	0
31	Enhanced Capacitive Deionization Performance with Activated Carbon Loaded in Graphite Felt Framework. ECS Meeting Abstracts, 2019, , .	0.0	0
32	A Three-Dimensional Activated Carbon Electrode with Carbon Fiber Felt Framework and Ordered Macropores for Enhanced Capacitive Deionization Performance. ECS Meeting Abstracts, 2021, MA2021-02, 770-770.	0.0	0
33	Importance of Mass Loadings of Activated Carbon Electrode on Capacitive Deionization Performance. ECS Meeting Abstracts, 2021, MA2021-02, 1526-1526.	0.0	0
34	A Hierarchical NiCo-LDH/Hnt Nanocomposite with a Core-Shell Structure for High-Performance Battery-Type Supercapacitor. ECS Meeting Abstracts, 2021, MA2021-02, 456-456.	0.0	0
35	3D Capacitive Deionization Electrode Supported By Carbon Fiber/Felt Framework with Ordered Macropores for Brackish Water Desalination. ECS Meeting Abstracts, 2020, MA2020-02, 3280-3280.	0.0	0
36	Influence of Surface Potential at Aqueous/TiO ₂ Thin-Film Interface on the Capacitance Performance. ECS Meeting Abstracts, 2020, MA2020-02, 555-555.	0.0	0