

Xiao Sui

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,209
citations

471061

17
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

1621
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Flexible Zinc-Ion Hybrid Capacitors with Superhigh Energy Density and Ultralong Cycling Life: The Pivotal Role of ZnCl ₂ Salt-Based Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 990-997.	7.2	215
2	Synthesis of graphene materials by electrochemical exfoliation: Recent progress and future potential. <i>Carbon</i> , 2019, 1, 173-199.		213
3	Toward Flexible Zinc-Ion Hybrid Capacitors with Superhigh Energy Density and Ultralong Cycling Life: The Pivotal Role of ZnCl ₂ Salt-Based Electrolytes. <i>Angewandte Chemie</i> , 2021, 133, 1003-1010.	1.6	130
4	Nano-RuO ₂ -Decorated Holey Graphene Composite Fibers for Micro-Supercapacitors with Ultrahigh Energy Density. <i>Small</i> , 2018, 14, e1800582.	5.2	113
5	Metal-free bifunctional carbon electrocatalysts derived from zeolitic imidazolate frameworks for efficient water splitting. <i>Materials Chemistry Frontiers</i> , 2018, 2, 102-111.	3.2	57
6	The roles of metal-organic frameworks in modulating water permeability of graphene oxide-based carbon membranes. <i>Carbon</i> , 2019, 148, 277-289.	5.4	50
7	Hierarchically porous carbon nanofibers embedded with cobalt nanoparticles for efficient H ₂ O ₂ detection on multiple sensor platforms. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128243.	4.0	46
8	Graphene oxide laminates intercalated with 2D covalent-organic frameworks as a robust nanofiltration membrane. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9713-9725.	5.2	46
9	Antimicrobial graphene materials: the interplay of complex materials characteristics and competing mechanisms. <i>Biomaterials Science</i> , 2018, 6, 766-773.	2.6	37
10	Nanocarbon materials in water disinfection: state-of-the-art and future directions. <i>Nanoscale</i> , 2019, 11, 9819-9839.	2.8	35
11	2D Material Based Advanced Membranes for Separations in Organic Solvents. <i>Small</i> , 2020, 16, e2003400.	5.2	31
12	Pressure-retarded membrane distillation for simultaneous hypersaline brine desalination and low-grade heat harvesting. <i>Journal of Membrane Science</i> , 2020, 597, 117765.	4.1	29
13	Foldable and scrollable graphene paper with tuned interlayer spacing as high areal capacity anodes for sodium-ion batteries. <i>Energy Storage Materials</i> , 2021, 41, 395-403.	9.5	28
14	Time-dependent density functional theory (TD-DFT) study on the excited-state intramolecular proton transfer (ESIPT) in 2-hydroxybenzoyl compounds: Significance of the intramolecular hydrogen bonding. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 281-285.	2.0	27
15	The tripartite role of 2D covalent organic frameworks in graphene-based organic solvent nanofiltration membranes. <i>Matter</i> , 2021, 4, 2953-2969.	5.0	24
16	Selective synthesis of single walled carbon nanotubes on metal (iron, nickel or cobalt) sulfate-based catalysts. <i>Carbon</i> , 2018, 129, 128-136.	5.4	21
17	Role of the Electronically Excited-State Hydrogen Bonding and Water Clusters in the Luminescent Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2013, 52, 5742-5748.	1.9	18
18	Thermo-osmosis-Coupled Thermally Regenerative Electrochemical Cycle for Efficient Lithium Extraction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6276-6285.	4.0	18

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19	Cobalt Nanoparticles Confined in Carbon Cages Derived from Zeolitic Imidazolate Frameworks as Efficient Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 355-363.	2.4	16
20	Structure Dependent Water Transport in Membranes Based on Two-Dimensional Materials. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10917-10959.	1.8	12
21	Carbon composite membranes for thermal-driven membrane processes. <i>Carbon</i> , 2021, 179, 600-626.	5.4	12
22	Interfacial engineering of graphenic carbon electrodes by antimicrobial polyhexamethylene guanidine hydrochloride for ultrasensitive bacterial detection. <i>Carbon</i> , 2020, 159, 185-194.	5.4	11
23	Viscosity sensitive near-infrared fluorescent probes based on functionalized single-walled carbon nanotubes. <i>Chemical Communications</i> , 2020, 56, 8301-8304.	2.2	11
24	Hydrogen bonding and coordination bonding in the electronically excited states of the MOF Cu ₂ (L) ₂ (L=5-(4-pyridyl)tetrazole) CH ₂ Cl ₂ : A time-dependent density functional theory study. <i>Journal of Luminescence</i> , 2013, 142, 110-115.	1.5	9