

Shuilin Wu

List of Publications by Year in descending order

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50
papers

3,204
citations

147566

31
h-index

189595

50
g-index

53
all docs

53
docs citations

53
times ranked

4818
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hierarchical Carbon Derived from Sponge-Templated Activation of Graphene Oxide for High-Performance Supercapacitor Electrodes. <i>Advanced Materials</i> , 2016, 28, 5222-5228.	11.1	383
2	Oxygen-Incorporated NiMoP Nanotube Arrays as Efficient Bifunctional Electrocatalysts For Urea-Assisted Energy-Saving Hydrogen Production in Alkaline Electrolyte. <i>Advanced Functional Materials</i> , 2021, 31, 2104951.	7.8	247
3	An Aqueous Zn-Ion Hybrid Supercapacitor with High Energy Density and Ultrastability up to 80 000 Cycles. <i>Advanced Energy Materials</i> , 2019, 9, 1902915.	10.2	244
4	Lithiophilic Cu-Cu-O-Ni Hybrid Structure: Advanced Current Collectors Toward Stable Lithium Metal Anodes. <i>Advanced Materials</i> , 2018, 30, 1705830.	11.1	217
5	Direct Laser Writing of Graphene Made from Chemical Vapor Deposition for Flexible, Integratable Micro-Supercapacitors with Ultrahigh Power Output. <i>Advanced Materials</i> , 2018, 30, e1801384.	11.1	178
6	Binder-free hierarchical VS ₂ electrodes for high-performance aqueous Zn ion batteries towards commercial level mass loading. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16330-16338.	5.2	152
7	A Biomimetic Hierarchical Scaffold: Natural Growth of Nanotitanates on Three-Dimensional Microporous Ti-Based Metals. <i>Nano Letters</i> , 2008, 8, 3803-3808.	4.5	124
8	Assembling carbon quantum dots to a layered carbon for high-density supercapacitor electrodes. <i>Scientific Reports</i> , 2016, 6, 19028.	1.6	96
9	MoS ₂ nanobelts with (002) plane edges-enriched flat surfaces for high-rate sodium and lithium storage. <i>Energy Storage Materials</i> , 2018, 15, 65-74.	9.5	96
10	Creating Pores on Graphene Platelets by Low-Temperature KOH Activation for Enhanced Electrochemical Performance. <i>Small</i> , 2016, 12, 2376-2384.	5.2	95
11	Lysosome-targetable carbon dots for highly efficient photothermal/photodynamic synergistic cancer therapy and photoacoustic/two-photon excited fluorescence imaging. <i>Chemical Engineering Journal</i> , 2020, 388, 124212.	6.6	92
12	Surface-Engineered Black Niobium Oxide@Graphene Nanosheets for High-Performance Sodium/Potassium-Ion Full Batteries. <i>Small</i> , 2019, 15, e1901272.	5.2	88
13	Uniform Virus-Like Co-Ni-Cs Electrocatalyst Derived from Prussian Blue Analog for Stretchable Fiber-Shaped Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1908945.	7.8	81
14	A carbon dots-based fluorescent probe for turn-on sensing of ampicillin. <i>Dyes and Pigments</i> , 2020, 172, 107846.	2.0	75
15	Mesoporous Nanosheet Networked Hybrids of Cobalt Oxide and Cobalt Phosphate for Efficient Electrochemical and Photoelectrochemical Oxygen Evolution. <i>Small</i> , 2017, 13, 1701875.	5.2	66
16	Plasma-Modified Biomaterials for Self-Antimicrobial Applications. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2851-2860.	4.0	61
17	Highly densified carbon electrode materials towards practical supercapacitor devices. <i>Science China Materials</i> , 2017, 60, 25-38.	3.5	57
18	Development of vertically aligned trimetallic Mg-Ni-Co oxide grass-like nanostructure for high-performance energy storage applications. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 782-792.	5.0	57

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19	Carbon Dots and a CdTe Quantum Dot Hybrid-Based Fluorometric Probe for Spermine Detection. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1723-1729.	1.8	56
20	Near-Infrared Light-Triggered Lysosome-Targetable Carbon Dots for Photothermal Therapy of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53610-53617.	4.0	54
21	Corrosion products and mechanism on NiTi shape memory alloy in physiological environment. <i>Journal of Materials Research</i> , 2010, 25, 350-358.	1.2	53
22	A spray-freezing approach to reduced graphene oxide/MoS ₂ hybrids for superior energy storage. <i>Energy Storage Materials</i> , 2018, 10, 282-290.	9.5	52
23	Bismuth nanorod networks confined in a robust carbon matrix as long-cycling and high-rate potassium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8440-8446.	5.2	52
24	Pyrene-derivatized highly fluorescent carbon dots for the sensitive and selective determination of ferric ions and dopamine. <i>Dyes and Pigments</i> , 2019, 170, 107574.	2.0	51
25	Nitrogen- δ -Doped Graphene-Encapsulated Nickel-Copper Alloy Nanoflower for Highly Efficient Electrochemical Hydrogen Evolution Reaction. <i>Small</i> , 2019, 15, e1901545.	5.2	50
26	Optically tunable fluorescent carbon nanoparticles and their application in fluorometric sensing of copper ions. <i>Nano Research</i> , 2019, 12, 2576-2583.	5.8	47
27	Nickel release behavior, cytocompatibility, and superelasticity of oxidized porous single-phase NiTi. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 81A, 948-955.	2.1	41
28	Defect-engineered vanadium trioxide nanofiber bundle@graphene hybrids for high-performance all-vanadate Na-ion and K-ion full batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19581-19588.	5.2	38
29	Fluorinated Carbonate Electrolyte with Superior Oxidative Stability Enables Long-Term Cycle Stability of Na _{2/3} Ni _{1/3} Mn _{2/3} O ₂ Cathodes in Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2002737.	10.2	37
30	Membranes of MnO Beading in Carbon Nanofibers as Flexible Anodes for High-Performance Lithium-Ion Batteries. <i>Scientific Reports</i> , 2015, 5, 14146.	1.6	34
31	Lithiophilicity conversion of the Cu surface through facile thermal oxidation: boosting a stable Li-Cu composite anode through melt infusion. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5726-5732.	5.2	34
32	Dilute Aqueous-Aprotic Hybrid Electrolyte Enabling a Wide Electrochemical Window through Solvation Structure Engineering. <i>Advanced Materials</i> , 2021, 33, e2102390.	11.1	28
33	Wear mechanism and tribological characteristics of porous NiTi shape memory alloy for bone scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 2586-2601.	2.1	22
34	Structural engineering of sulfur-doped carbon encapsulated bismuth sulfide core-shell structure for enhanced potassium storage performance. <i>Nano Research</i> , 2021, 14, 3545-3551.	5.8	16
35	Nickel release behavior and surface characteristics of porous NiTi shape memory alloy modified by different chemical processes. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 483-489.	2.1	14
36	High-Performance NaVO ₃ with Mixed Cationic and Anionic Redox Reactions for Na-Ion Battery Applications. <i>Chemistry of Materials</i> , 2020, 32, 8836-8844.	3.2	14

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37	Copper activated near-full two-electron Mn ⁴⁺ /Mn ²⁺ redox for mild aqueous Zn/MnO ₂ battery. <i>Chemical Engineering Journal</i> , 2022, 450, 137923.	6.6	14
38	Hydrogen Evolution Reaction: Nitrogen-Doped Graphene-Encapsulated Nickel-Copper Alloy Nanoflower for Highly Efficient Electrochemical Hydrogen Evolution Reaction (<i>Small</i> 48/2019). <i>Small</i> , 2019, 15, 1970260.	5.2	11
39	Highly Ordered Mesoporous NiCo ₂ O ₄ as a High Performance Anode Material for Li-Ion Batteries. <i>Frontiers in Chemistry</i> , 2019, 7, 521.	1.8	10
40	Diameter-Sensitive Breakdown of Single-Walled Carbon Nanotubes upon KOH Activation. <i>ChemPhysChem</i> , 2017, 18, 1929-1936.	1.0	8
41	Investigation of plasma immersion ion implantation of nickel-titanium rod by multiple-grid particle-in-cell simulation. <i>Journal of Applied Physics</i> , 2008, 103, 053308.	1.1	7
42	Supercapacitors: A Hierarchical Carbon Derived from Sponge-Templated Activation of Graphene Oxide for High-Performance Supercapacitor Electrodes (<i>Adv. Mater.</i> 26/2016). <i>Advanced Materials</i> , 2016, 28, 5331-5331.	11.1	7
43	Boosting capacity and operating voltage of LiVO ₃ as cathode for lithium-ion batteries by activating oxygen reaction in the lattice. <i>Journal of Power Sources</i> , 2022, 517, 230728.	4.0	7
44	Cationic Lanthanide Luminescent Copolymer: Design, Synthesis and Interaction with DNA. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 832-839.	1.2	5
45	Uniform star-polystyrene nanoparticles prepared by emulsion atom transfer radical polymerization. <i>Polymer International</i> , 2011, 60, 1638-1645.	1.6	5
46	Lithiophilicity conversion of carbon paper with uniform Cu ₂ O coating: Boosting stable Li-Cu ₂ O-CP composite anode through melting infusion. <i>Chemical Engineering Journal</i> , 2020, 388, 124238.	6.6	5
47	Interaction Between Fluorinated Amphiphilic Copolymer P(HFMA)-g-P(SPEG) and BSA. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 1185-1190.	1.3	1
48	Porous three-dimensional activated microwave exfoliated graphite oxide as an anode material for lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 55176-55181.	1.7	1
49	Calcium filling of TiO ₂ nanotubes on the surface of NiTi shape memory alloys by plasma immersion ion implantation. , 2008, , .		0
50	Interaction between the fluorinated amphiphilic copolymer poly(2,2,3,4,4,4-hexafluorobutyl) Tj ETQqO O O rgBT /Overlock 10 Tf 50 22	1.3	0