

Guoquan Suo

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,178
citations

257429

24
h-index

233409

45
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58
all docs

58
docs citations

58
times ranked

2339
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterostructured CoS ₂ /CuCo ₂ S ₄ @N-doped carbon hollow sphere for potassium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 275-283.	9.4	52
2	Mg alloy waste modified by (Mg ₁₀ Ni) ₉₀ Ce ₁₀ : A green hydrolysis hydrogen production strategy. <i>Fuel</i> , 2022, 311, 122517.	6.4	14
3	N-doped silk wadding-derived carbon/SnO ₂ @reduced graphene oxide film as an ultra-stable anode for sodium-ion half/full battery. <i>Chemical Engineering Journal</i> , 2022, 433, 133675.	12.7	19
4	SnCo Nanoalloy/Graphene Anode Constructed by Microfluidic-Assisted Nanoprecipitation for Potassium-Ion Batteries. <i>ACS Applied Nano Materials</i> , 2022, 5, 2616-2625.	5.0	8
5	Biomass-Derived Carbon for High-Performance Batteries: From Structure to Properties. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	71
6	Interconnected MnCO ₃ nanostructures anchored on carbon fibers with enhanced potassium storage performance. <i>Materials Today Chemistry</i> , 2022, 25, 100904.	3.5	3
7	Carbon nanotubes and (Mg ₁₀ Ni) ₈₅ Ce ₁₅ synergistically activate Mg-Al alloy waste for efficiently hydrolysis hydrogen generation. <i>Fuel</i> , 2022, 324, 124829.	6.4	14
8	Nanotube $\langle \text{SnO}_2 \rangle$ cathodes constructed by electrospinning for high-performance hybrid Mg/Li ion batteries—Feasible modification strategy for superior cycle performance. <i>International Journal of Energy Research</i> , 2022, 46, 16799-16809.	4.5	4
9	Hydrolysis hydrogen production mechanism of Mg ₁₀ Ni ₁₀ Ce alloy surface modified by SnO ₂ nanotubes in different aqueous systems. <i>Green Energy and Environment</i> , 2021, 6, 124-137.	8.7	18
10	Rapid catalytic hydrolysis performance of Mg alloy enhanced by MoS ₂ auxiliary mass transfer. <i>Journal of Materials Science</i> , 2021, 56, 4810-4829.	3.7	22
11	Urchin-like MnO/C microspheres as high-performance lithium-ion battery anode. <i>Ionics</i> , 2021, 27, 1423-1428.	2.4	6
12	High-Performance Multifunctional Carbon-Silicon Carbide Composites with Strengthened Reduced Graphene Oxide. <i>ACS Nano</i> , 2021, 15, 2880-2892.	14.6	44
13	Hydrolysis H ₂ generation of Mg-Ni alloy catalyzed by expandable graphite/stannic oxide. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 14024-14035.	7.1	14
14	In situ construction of hierarchical polyaniline/SnS ₂ @carbon nanotubes on carbon fibers for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 84-93.	9.4	21
15	Hollow opening nanoflowers MoS ₂ -CuS-EG cathodes for high-performance hybrid Mg/Li-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 409, 128271.	12.7	23
16	Self-Standing Film Assembled using Sn-Sn/Multiwalled Carbon Nanotubes Encapsulated Carbon Fibers: A Potential Large-Scale Production Material for Ultra-stable Sodium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28359-28368.	8.0	55
17	Bi ₂ O ₃ /BiVO ₄ @graphene oxide van der Waals heterostructures with enhanced photocatalytic activity toward oxygen generation. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 196-203.	9.4	34
18	Amorphous CoS _{1.4} ultrathin nanosheets/amorphous N-doped carbon nanobox: A dual-amorphous confined structure for superior potassium storage. <i>Journal of Power Sources</i> , 2021, 506, 230117.	7.8	11

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19	Hydrolysis hydrogen generation medium regulated by alkali metal cations for Mg-based alloy - Green seawater modification strategy. <i>Journal of Power Sources</i> , 2021, 509, 230364.	7.8	15
20	Improvement in potassium ion batteries electrodes: Recent developments and efficient approaches. <i>Journal of Energy Chemistry</i> , 2021, 62, 307-337.	12.9	73
21	Recent Progress and Perspectives on Alloying Anodes for Potassium-ion Batteries. <i>ChemNanoMat</i> , 2021, 7, 1291-1308.	2.8	7
22	Construction of SnS ₂ /SnO ₂ heterostructures with enhanced potassium storage performance. <i>Journal of Materials Science and Technology</i> , 2020, 55, 167-172.	10.7	57
23	A novel continuous carbon nanotube fiber/carbon composite by electrified preform heating chemical vapor infiltration. <i>Carbon</i> , 2020, 157, 640-648.	10.3	21
24	Outstanding hydrogen production properties of surface catalysts promoted Mg-Ni-Ce composites at room temperature in simulated seawater. <i>Journal of Materials Science</i> , 2020, 55, 14922-14937.	3.7	8
25	Comparative investigation on feasible hydrolysis H ₂ production behavior of commercial Mg-M (M = Ni, Ce, and La) binary alloys modified by high-energy ball milling - Feasible modification strategy for Mg-based hydrogen producing alloys. <i>International Journal of Energy Research</i> , 2020, 44, 11956-11972.	4.5	12
26	Pattern Directive Sensing Selectivity of Graphene for Wearable Multifunctional Sensors via Femtosecond Laser Fabrication. <i>Advanced Materials Technologies</i> , 2020, 5, 2000446.	5.8	13
27	Thermoelectric performance enhancement by manipulation of Sr/Ti doping in two sublayers of Ca ₃ Co ₄ O ₉ . <i>Journal of Advanced Ceramics</i> , 2020, 9, 769-781.	17.4	24
28	H ₂ generation kinetics/thermodynamics and hydrolysis mechanism of high-performance La-doped Mg-Ni alloys in NaCl solution - A large-scale and quick strategy to get hydrogen. <i>Journal of Magnesium and Alloys</i> , 2020, , .	11.9	34
29	Flexible Carbon-Fiber/Semimetal Bi Nanosheet Arrays as Separable and Recyclable Plasmonic Photocatalysts and Photoelectrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24845-24854.	8.0	161
30	Hollow Co _{0.85} Se cubes encapsulated in graphene for enhanced potassium storage. <i>Journal of Electroanalytical Chemistry</i> , 2020, 864, 114100.	3.8	22
31	Tuning wall thickness of TiO ₂ microtubes for an enhanced photocatalytic activity with thickness-dependent charge separation efficiency. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 463-469.	9.4	25
32	N-doped carbon/ultrathin 2D metallic cobalt selenide core/sheath flexible framework bridged by chemical bonds for high-performance potassium storage. <i>Chemical Engineering Journal</i> , 2020, 388, 124396.	12.7	94
33	Flexible N doped carbon/bubble-like MoS ₂ core/sheath framework: Buffering volume expansion for potassium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 427-433.	9.4	78
34	K _{0.6} CoO ₂ -xNx porous nanoframe: A co-enhanced ionic and electronic transmission for potassium ion batteries. <i>Chemical Engineering Journal</i> , 2020, 396, 125218.	12.7	14
35	Amorphous carbon coated SnO ₂ nanosheets on hard carbon hollow spheres to boost potassium storage with high surface capacitive contributions. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 174-181.	9.4	70
36	Catalytic effect of EG and MoS ₂ on hydrolysis hydrogen generation behavior of high-energy ball-milled Mg-10wt.%Ni alloys in NaCl solution - A powerful strategy for superior hydrogen generation performance. <i>International Journal of Energy Research</i> , 2019, 43, 8426.	4.5	12

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37	Powerful and lightweight electromagnetic-shielding carbon nanotube/graphene foam/silicon carbide composites. <i>Materials Letters</i> , 2019, 256, 126634.	2.6	11
38	Enhanced hydrogen generation behaviors and hydrolysis thermodynamics of as-cast Mg-Ni-Ce magnesium-rich alloys in simulate seawater. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24086-24097.	7.1	40
39	Sn nanoparticles anchored on N doped porous carbon as an anode for potassium ion batteries. <i>Materials Letters</i> , 2019, 256, 126613.	2.6	30
40	Microstructure evolution and controlled hydrolytic hydrogen generation strategy of Mg-rich Mg-Ni-La ternary alloys. <i>Energy</i> , 2019, 188, 116081.	8.8	40
41	High-throughput fabrication of 3D N-doped graphenic framework coupled with Fe ₃ C@porous graphite carbon for ultrastable potassium ion storage. <i>Energy Storage Materials</i> , 2019, 22, 185-193.	18.0	91
42	Tuning defect and hollow size of metallic K _x CoF ₃ for ultrastable potassium storage. <i>Energy Storage Materials</i> , 2019, 21, 196-202.	18.0	16
43	Separable and recyclable meso-carbon@TiO ₂ /carbon fiber composites for visible-light photocatalysis and photoelectrocatalysis. <i>Sustainable Materials and Technologies</i> , 2019, 21, e00105.	3.3	17
44	SnO ₂ nanosheets grown on stainless steel mesh as a binder free anode for potassium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 113-118.	3.8	54
45	In situ assembly of 2D cobalt sulfide on stainless steel mesh as a binder-free anode for sodium ion batteries. <i>Materials Letters</i> , 2019, 236, 312-315.	2.6	17
46	Thickness controllable and mass produced WC@C@Pt hybrid for efficient hydrogen production. <i>Energy Storage Materials</i> , 2018, 10, 268-274.	18.0	28
47	Mesoporous carbon nanofiber network derived from agarose for supercapacitor electrode. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	5
48	Modification based on internal refinement and external decoration: A powerful strategy for superior thermodynamics and hysteresis of Mg-Ni hydrogen energy storage alloys. <i>Journal of Alloys and Compounds</i> , 2018, 766, 112-122.	5.5	30
49	Metallic Octahedral CoSe ₂ Threaded by N-Doped Carbon Nanotubes: A Flexible Framework for High-Performance Potassium-Ion Batteries. <i>Advanced Science</i> , 2018, 5, 1800782.	11.2	198
50	Zero-strain K _{0.6} Mn ₁ F _{2.7} hollow nanocubes for ultrastable potassium ion storage. <i>Energy and Environmental Science</i> , 2018, 11, 3033-3042.	30.8	87
51	Iron sulfide/carbon hybrid cluster as an anode for potassium-ion storage. <i>Journal of Alloys and Compounds</i> , 2018, 766, 1086-1091.	5.5	47
52	Piezoelectric and Triboelectric Dual Effects in Mechanical-Energy Harvesting Using BaTiO ₃ /Polydimethylsiloxane Composite Film. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34335-34341.	8.0	194
53	All-Textile Triboelectric Generator Compatible with Traditional Textile Process. <i>Advanced Materials Technologies</i> , 2016, 1, 1600147.	5.8	75
54	One dimensional polar surface dominated GaN nanostructures with zigzag morphology. <i>Journal of Alloys and Compounds</i> , 2016, 674, 16-20.	5.5	6

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55	Three-Dimensional Single-Crystalline GaN Hierarchical Nanowire Architectures. Science of Advanced Materials, 2015, 7, 264-268.	0.7	2
56	Synthetic Strategies and Applications of GaN Nanowires. Advances in Condensed Matter Physics, 2014, 2014, 1-11.	1.1	17
57	Effects of Substrate Temperature on Structure and Properties of Al-F Co-doped ZnO Thin Films. Advanced Materials Research, 0, 602-604, 1404-1408.	0.3	0
58	Effect of Substrate Temperature on the Opto-Electrical Properties of Ti Doped ITO Films Deposited by RF Magnetron Sputtering. Advanced Materials Research, 0, 602-604, 1399-1403.	0.3	0