

Ping Li

List of Publications by Year in descending order

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61
papers

2,417
citations

172386

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docs citations

61
times ranked

2419
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Temperature and High-Energy-Density Li-Based Liquid Metal Batteries Based on LiClâ€“KCl Molten Salt Electrolyte. ACS Sustainable Chemistry and Engineering, 2022, 10, 1871-1879.	3.2	15
2	Boosting Aqueous Zn/MnO ₂ Batteries via a Synergy of Edge/Defect-Rich Cathode and Dendrite-Free Anode. ACS Applied Materials & Interfaces, 2022, 14, 4316-4325.	4.0	20
3	Self-healing action of Bi in high-performance Sbâ€“Biâ€“Sn positive electrodes for liquid metal batteries. Journal of Power Sources, 2022, 538, 231584.	4.0	1
4	High-rate and durable sulfide-based all-solid-state lithium battery with in situ Li ₂ O buffering. Energy Storage Materials, 2022, 51, 306-316.	9.5	33
5	Synchronous nesting of hollow FeP nanospheres into a three-dimensional porous carbon scaffold via a salt-template method for performance-enhanced potassium-ion storage. Sustainable Energy and Fuels, 2021, 5, 844-854.	2.5	12
6	High-performance aqueous Znâ€“MnO ₂ batteries enabled by the coupling engineering of K ⁺ pre-intercalation and oxygen defects. Journal of Materials Chemistry A, 2021, 9, 15637-15647.	5.2	46
7	Feasibility Research of SS304 Serving as the Positive Current Collector of Li Sbâ€“Sn Liquid Metal Batteries. Journal of Physical Chemistry C, 2021, 125, 237-245.	1.5	11
8	A N-doped porous carbon framework with Ag-nanoparticles toward stable lithium metal anodes. Sustainable Energy and Fuels, 2021, 5, 5638-5644.	2.5	0
9	Sandwich-Like Heterostructures of MoS ₂ /Graphene with Enlarged Interlayer Spacing and Enhanced Hydrophilicity as High-Performance Cathodes for Aqueous Zinc-Ion Batteries. Advanced Materials, 2021, 33, e2007480.	11.1	241
10	Confining Pyrrhotite Fe ₇ S ₈ in Carbon Nanotubes Covalently Bonded onto 3D Few-Layer Graphene Boosts Potassium-Ion Storage and Full-Cell Applications. Small, 2021, 17, e2006719.	5.2	39
11	Reaction kinetics in rechargeable zinc-ion batteries. Journal of Power Sources, 2021, 492, 229655.	4.0	48
12	Molecular Engineering on MoS ₂ Enables Large Interlayers and Unlocked Basal Planes for High-Performance Aqueous Zn-Ion Storage. Angewandte Chemie - International Edition, 2021, 60, 20286-20293.	7.2	141
13	Stable Positive Current Collectors for Li Sbâ€“Sn Liquid Metal Batteries. ACS Applied Energy Materials, 2021, 4, 9013-9021.	2.5	8
14	Molecular Engineering on MoS ₂ Enables Large Interlayers and Unlocked Basal Planes for High-Performance Aqueous Zn-Ion Storage. Angewandte Chemie, 2021, 133, 20448-20455.	1.6	52
15	Enhanced anti-poisoning performance against carbon monoxide of LaNi _{4.7} Al _{0.3} alloy encapsulated in polymethyl methacrylate. Materials Letters, 2021, 302, 130409.	1.3	5
16	Investigation of the phase occurrence and H sorption properties in the Y _{33.33} Ni _{66.67} Al (O _{33.33}) system. Journal of Alloys and Compounds, 2021, 888, 161375.	2.8	4
17	Dehydrogenation characteristics of ZrC-doped LiAlH ₄ with different mixing conditions. Rare Metals, 2020, 39, 383-391.	3.6	11
18	Collaborative Design of Hollow Nanocubes, In Situ Cross-Linked Binder, and Amorphous Void@SiO ₂ @C as a Three-Pronged Strategy for Ultrastable Lithium Storage. Small, 2020, 16, e1905736.	5.2	43

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19	Achieving Fast and Stable Lithium/Potassium Storage by In Situ Decorating FeSe ₂ Nanodots into Three-Dimensional Hierarchical Porous Carbon Networks. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12185-12194.	1.5	19
20	Marcasite-FeS ₂ @carbon nanodots anchored on 3D cell-like graphenic matrix for high-rate and ultrastable potassium ion storage. <i>Journal of Power Sources</i> , 2020, 469, 228429.	4.0	39
21	A synergetic strategy for an advanced electrode with Fe ₃ O ₄ embedded in a 3D N-doped porous graphene framework and a strong adhesive binder for lithium/potassium ion batteries with an ultralong cycle lifespan. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19430-19441.	5.2	64
22	Tuning Metallic Co _{0.85} Se Quantum Dots/Carbon Hollow Polyhedrons with Tertiary Hierarchical Structure for High-Performance Potassium Ion Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 96.	14.4	51
23	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.	9.5	91
24	Chemically bubbled hollow Fe _x O nanospheres anchored on 3D N-doped few-layer graphene architecture as a performance-enhanced anode material for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 744-754.	5.2	74
25	Deeply Nesting Zinc Sulfide Dendrites in Tertiary Hierarchical Structure for Potassium Ion Batteries: Enhanced Conductivity from Interior to Exterior. <i>ACS Nano</i> , 2019, 13, 6906-6916.	7.3	139
26	The multi-yolk/shell structure of FeP@foam-like graphenic scaffolds: strong P=C bonds and electrolyte- and binder-optimization boost potassium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15673-15682.	5.2	69
27	Strong (001) facet-induced growth of multi-hierarchical tremella-like Sn-doped V ₂ O ₅ for high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25993-26001.	5.2	18
28	Bifunctional biomass-derived N, S dual-doped ladder-like porous carbon for supercapacitor and oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2019, 773, 11-20.	2.8	80
29	Bifunctional biomass-derived 3D nitrogen-doped porous carbon for oxygen reduction reaction and solid-state supercapacitor. <i>Applied Surface Science</i> , 2019, 465, 303-312.	3.1	89
30	Thermal properties and cycling performance of Ca(BH ₄) ₂ /MgH ₂ composite for energy storage. <i>Chemical Physics Letters</i> , 2018, 700, 44-49.	1.2	12
31	Thickness controllable and mass produced WC@C@Pt hybrid for efficient hydrogen production. <i>Energy Storage Materials</i> , 2018, 10, 268-274.	9.5	28
32	Enhanced hydrogen storage properties of 1.1MgH ₂ @2LiNH ₂ @0.1LiBH ₄ system with LaNi ₅ -based alloy hydrides addition. <i>RSC Advances</i> , 2018, 8, 40647-40654.	1.7	9
33	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.	15.6	87
34	Low-temperature combustion synthesis of hexagonal WO ₃ ·0.33H ₂ O@C as anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 701, 215-221.	2.8	16
35	Improved dehydrogenation performance of NaAlH ₄ using NiFe ₂ O ₄ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 709, 850-856.	2.8	30
36	Investigation on LiBH ₄ -CaH ₂ composite and its potential for thermal energy storage. <i>Scientific Reports</i> , 2017, 7, 41754.	1.6	22

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37	Catalytic effect of MnFe_2O_4 on dehydrogenation kinetics of NaAlH_4 – MgH_2 . RSC Advances, 2017, 7, 34522-34529.	1.7	10
38	Facile preparation of hexagonal $\text{WO}_3 \cdot 0.33\text{H}_2\text{O}$ /C nanostructures and its electrochemical properties for lithium-ion batteries. Applied Surface Science, 2017, 394, 70-77.	3.1	41
39	Cell sorting for parallel lithium-ion battery systems: Evaluation based on an electric circuit model. Journal of Energy Storage, 2016, 6, 195-203.	3.9	47
40	A study of metal hydride as novel thermal energy storage material by using rapid solidification. Journal of Alloys and Compounds, 2016, 689, 641-647.	2.8	12
41	Rate dependence of cell-to-cell variations of lithium-ion cells. Scientific Reports, 2016, 6, 35051.	1.6	34
42	Superior Catalytic Effect of Nickel Ferrite Nanoparticles in Improving Hydrogen Storage Properties of MgH_2 . Journal of Physical Chemistry C, 2015, 119, 2925-2934.	1.5	55
43	Amorphous carbon modified nano-sized tungsten carbide as a gas diffusion electrode catalyst for the oxygen reduction reaction. RSC Advances, 2015, 5, 70743-70748.	1.7	13
44	Dehydrogenation mechanism of ball-milled MgH_2 doped with ferrites (CoFe_2O_4 , ZnFe_2O_4 , MnFe_2O_4) Tj ETQq0,0,0 rgBT /Overlock 1	2.8	41
45	Superior destabilization effects of LiBH_4 with the addition of nano-sized nickel ferrite NiFe_2O_4 . RSC Advances, 2015, 5, 81212-81219.	1.7	25
46	The development of metal hydrides using as concentrating solar thermal storage materials. Frontiers of Materials Science, 2015, 9, 317-331.	1.1	20
47	Cycling Stability Performance of $\text{La}_{0.75}\text{Mg}_{0.25}\text{Ni}_{3.5}\text{Si}_{0.10}$ Hydrogen Storage Alloy in Discharge–Charge System. International Journal of Nanoscience, 2014, 13, 1460003.	0.4	0
48	Enhanced hydrogen storage properties of LiAlH_4 catalyzed by CoFe_2O_4 nanoparticles. RSC Advances, 2014, 4, 18989-18997.	1.7	40
49	Significantly improved dehydrogenation of ball-milled MgH_2 doped with CoFe_2O_4 nanoparticles. Journal of Power Sources, 2014, 268, 778-786.	4.0	49
50	CO impurities effect on $\text{LaNi}_{4.7}\text{Al}_{0.3}$ hydrogen storage alloy hydrogenation/dehydrogenation properties. Bulletin of Materials Science, 2014, 37, 837-842.	0.8	5
51	NbCl_5 and CrCl_3 catalysts effect on synthesis and hydrogen storage performance of Mg – Ni – NiO composites. Bulletin of Materials Science, 2014, 37, 77-82.	0.8	3
52	Study of the hydrogen-induced amorphization in the $\text{LaNi}_{2.28}$ alloy. RSC Advances, 2014, 4, 27207-27212.	1.7	1
53	NaAlH_4 dehydrogenation properties enhanced by MnFe_2O_4 nanoparticles. Journal of Power Sources, 2014, 248, 388-395.	4.0	27
54	Tungsten carbide synthesized by low-temperature combustion as gas diffusion electrode catalyst. International Journal of Hydrogen Energy, 2014, 39, 10911-10920.	3.8	14

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55	Dehydrogenation Improvement of LiAlH_4 Catalyzed by Fe_2O_3 and Co_2O_3 Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 18343-18352.	1.5	64
56	Improved Hydrogen Storage Performance of MgH_2 "LiAlH ₄ Composite by Addition of MnFe_2O_4 . Journal of Physical Chemistry C, 2013, 117, 26940-26947.	1.5	29
57	MgH_2 dehydrogenation properties improved by MnFe_2O_4 nanoparticles. Journal of Power Sources, 2013, 239, 201-206.	4.0	66
58	NiFe_2O_4 Nanoparticles Catalytic Effects of Improving LiAlH_4 Dehydrogenation Properties. Journal of Physical Chemistry C, 2013, 117, 25917-25925.	1.5	50
59	NbF_5 and CrF_3 Catalysts Effects on Synthesis and Hydrogen Storage Performance of Mg-Ni-NiO Composites. Advanced Materials Research, 2013, 681, 31-37.	0.3	1
60	Significantly Improved Dehydrogenation of LiAlH_4 Destabilized by MnFe_2O_4 Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 11939-11945.	1.5	83
61	Structure and electrochemical hydrogen storage characteristics of the as-cast and annealed $\text{La}_{0.8-x}\text{Sm}_x\text{Mg}_{0.2}\text{Ni}_{3.15}\text{Co}_{0.2}\text{Al}_{0.1}\text{Si}_{0.05}$ ($x=0-0.4$) alloys. Journal of Rare Earths, 2012, 30, 696-704.	2.5	20