Ping Li

List of Publications by Year
in descending order

61 papers	2,417 citations	172386 29 h-index	206029 48 g-index
61 all docs	61 docs citations	61 times ranked	2419 citing authors

#	Article	IF	Citations
1	Sandwichâ€Like Heterostructures of MoS₂/Graphene with Enlarged Interlayer Spacing and Enhanced Hydrophilicity as Highâ€Performance Cathodes for Aqueous Zincâ€Ion Batteries. Advanced Materials, 2021, 33, e2007480.	11.1	241
2	Molecular Engineering on MoS₂ Enables Large Interlayers and Unlocked Basal Planes for Highâ€Performance Aqueous Znâ€Ion Storage. Angewandte Chemie - International Edition, 2021, 60, 20286-20293.	7.2	141
3	Deeply Nesting Zinc Sulfide Dendrites in Tertiary Hierarchical Structure for Potassium Ion Batteries: Enhanced Conductivity from Interior to Exterior. ACS Nano, 2019, 13, 6906-6916.	7.3	139
4	High-throughput fabrication of 3D N-doped graphenic framework coupled with Fe3C@porous graphite carbon for ultrastable potassium ion storage. Energy Storage Materials, 2019, 22, 185-193.	9.5	91
5	Bifunctional biomass-derived 3D nitrogen-doped porous carbon for oxygen reduction reaction and solid-state supercapacitor. Applied Surface Science, 2019, 465, 303-312.	3.1	89
6	Zero-strain K_{0.6}Mn₁F_{2.7} hollow nanocubes for ultrastable potassium ion storage. Energy and Environmental Science, 2018, 11, 3033-3042.	15.6	87
7	Significantly Improved Dehydrogenation of LiAlH₄ Destabilized by MnFe₂O₄ Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 11939-11945.	1.5	83
8	Bifunctional biomass-derived N, S dual-doped ladder-like porous carbon for supercapacitor and oxygen reduction reaction. Journal of Alloys and Compounds, 2019, 773, 11-20.	2.8	80
9	Chemically bubbled hollow Fe_xO nanospheres anchored on 3D N-doped few-layer graphene architecture as a performance-enhanced anode material for potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 744-754.	5.2	74
10	The multi-yolk/shell structure of FeP@foam-like graphenic scaffolds: strong Pâ€“C bonds and electrolyte- and binder-optimization boost potassium storage. Journal of Materials Chemistry A, 2019, 7, 15673-15682.	5.2	69
11	MgH2 dehydrogenation properties improved by MnFe2O4 nanoparticles. Journal of Power Sources, 2013, 239, 201-206.	4.0	66
12	Dehydrogenation Improvement of LiAlH₄ Catalyzed by Fe₂O₃ and Co₂O₃ Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 18343-18352.	1.5	64
13	A synergetic strategy for an advanced electrode with Fe₃O₄ embedded in a 3D N-doped porous graphene framework and a strong adhesive binder for lithium/potassium ion batteries with an ultralong cycle lifespan. Journal of Materials Chemistry A, 2019, 7, 19430-19441.	5.2	64
14	Superior Catalytic Effect of Nickel Ferrite Nanoparticles in Improving Hydrogen Storage Properties of MgH₂. Journal of Physical Chemistry C, 2015, 119, 2925-2934.	1.5	55
15	Molecular Engineering on MoS₂ Enables Large Interlayers and Unlocked Basal Planes for Highâ€Performance Aqueous Znâ€Ion Storage. Angewandte Chemie, 2021, 133, 20448-20455.	1.6	52
16	Tuning Metallic Co0.85Se Quantum Dots/Carbon Hollow Polyhedrons with Tertiary Hierarchical Structure for High-Performance Potassium Ion Batteries. Nano-Micro Letters, 2019, 11, 96.	14.4	51
17	NiFe2O4 Nanoparticles Catalytic Effects of Improving LiAlH4 Dehydrogenation Properties. Journal of Physical Chemistry C, 2013, 117, 25917-25925.	1.5	50
18	Significantly improved dehydrogenation of ball-milled MgH2 doped with CoFe2O4 nanoparticles. Journal of Power Sources, 2014, 268, 778-786.	4.0	49

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19	Reaction kinetics in rechargeable zinc-ion batteries. Journal of Power Sources, 2021, 492, 229655.	4.0	48
20	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
21	High-performance aqueous Znâ€“MnO₂ 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
22	Collaborative Design of Hollow Nanocubes, In Situ Crossâ€Linked Binder, and Amorphous Void@SiO<i>_x</i>@C as a Threeâ€Pronged Strategy for Ultrastable Lithium Storage. Small, 2020, 16, e1905736.	5.2	43
23	Dehydrogenation mechanism of ball-milled MgH 2 doped with ferrites (CoFe 2 O 4 , ZnFe 2 O 4 , MnFe 2) Tj ETQq1 1 0.784314 rgBT /O	2.8	41
24	Facile preparation of hexagonal WO 3 Â·0.33H 2 O/C nanostructures and its electrochemical properties for lithium-ion batteries. Applied Surface Science, 2017, 394, 70-77.	3.1	41
25	Enhanced hydrogen storage properties of LiAlH₄ catalyzed by CoFe₂O₄ nanoparticles. RSC Advances, 2014, 4, 18989-18997.	1.7	40
26	Marcasite-FeS2@carbon nanodots anchored on 3D cell-like graphenic matrix for high-rate and ultrastable potassium ion storage. Journal of Power Sources, 2020, 469, 228429.	4.0	39
27	Confining Pyrrhotite Fe₇S₈ in Carbon Nanotubes Covalently Bonded onto 3D Fewâ€Layer Graphene Boosts Potassiumâ€Ion Storage and Fullâ€Cell Applications. Small, 2021, 17, e2006719.	5.2	39
28	Rate dependence of cell-to-cell variations of lithium-ion cells. Scientific Reports, 2016, 6, 35051.	1.6	34
29	High-rate and durable sulfide-based all-solid-state lithium battery with in situ Li2O buffering. Energy Storage Materials, 2022, 51, 306-316.	9.5	33
30	Improved dehydrogenation performance of NaAlH 4 using NiFe 2 O 4 nanoparticles. Journal of Alloys and Compounds, 2017, 709, 850-856.	2.8	30
31	Improved Hydrogen Storage Performance of MgH₂â€“LiAlH₄ Composite by Addition of MnFe₂O₄. Journal of Physical Chemistry C, 2013, 117, 26940-26947.	1.5	29
32	Thickness controllable and mass produced WC@C@Pt hybrid for efficient hydrogen production. Energy Storage Materials, 2018, 10, 268-274.	9.5	28
33	NaAlH4 dehydrogenation properties enhanced by MnFe2O4 nanoparticles. Journal of Power Sources, 2014, 248, 388-395.	4.0	27
34	Superior destabilization effects of LiBH4 with the addition of nano-sized nickel ferrite NiFe2O4. RSC Advances, 2015, 5, 81212-81219.	1.7	25
35	Investigation on LiBH4-CaH2 composite and its potential for thermal energy storage. Scientific Reports, 2017, 7, 41754.	1.6	22
36	Structure and electrochemical hydrogen storage characteristics of the as-cast and annealed La0.8-xSmxMg0.2Ni3.15Co0.2Al0.1Si0.05 (x=0-0.4) alloys. Journal of Rare Earths, 2012, 30, 696-704.	2.5	20

#	Article	IF	Citations
37	The development of metal hydrides using as concentrating solar thermal storage materials. Frontiers of Materials Science, 2015, 9, 317-331.	1.1	20
38	Boosting Aqueous Zn/MnO₂ Batteries via a Synergy of Edge/Defect-Rich Cathode and Dendrite-Free Anode. ACS Applied Materials & Interfaces, 2022, 14, 4316-4325.	4.0	20
39	Achieving Fast and Stable Lithium/Potassium Storage by In Situ Decorating FeSe₂ Nanodots into Three-Dimensional Hierarchical Porous Carbon Networks. Journal of Physical Chemistry C, 2020, 124, 12185-12194.	1.5	19
40	Strong (001) facet-induced growth of multi-hierarchical tremella-like Sn-doped V₂O₅ for high-performance potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 25993-26001.	5.2	18
41	Low-temperature combustion synthesis of hexagonal WO3Â·0.33H2O@C as anode material for lithium ion batteries. Journal of Alloys and Compounds, 2017, 701, 215-221.	2.8	16
42	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
43	Tungsten carbide synthesized by low-temperature combustion as gas diffusion electrode catalyst. International Journal of Hydrogen Energy, 2014, 39, 10911-10920.	3.8	14
44	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
45	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
46	Thermal properties and cycling performance of Ca(BH4)2/MgH2 composite for energy storage. Chemical Physics Letters, 2018, 700, 44-49.	1.2	12
47	Synchronous nesting of hollow FeP nanospheres into a three-dimensional porous carbon scaffold <i>via</i> a salt-template method for performance-enhanced potassium-ion storage. Sustainable Energy and Fuels, 2021, 5, 844-854.	2.5	12
48	Dehydrogenation characteristics of ZrC-doped LiAlH4 with different mixing conditions. Rare Metals, 2020, 39, 383-391.	3.6	11
49	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
50	Catalytic effect of MnFe₂O₄on dehydrogenation kinetics of NaAlH₄â€“MgH₂. RSC Advances, 2017, 7, 34522-34529.	1.7	10
51	Enhanced hydrogen storage properties of 1.1MgH₂â€“2LiNH₂â€“0.1LiBH₄ system with LaNi₅-based alloy hydrides addition. RSC Advances, 2018, 8, 40647-40654.	1.7	9
52	Stable Positive Current Collectors for Li||Sbâ€“Sn Liquid Metal Batteries. ACS Applied Energy Materials, 2021, 4, 9013-9021.	2.5	8
53	CO impurities effect on LaNi4.7Al0.3 hydrogen storage alloy hydrogenation/dehydrogenation properties. Bulletin of Materials Science, 2014, 37, 837-842.	0.8	5
54	Enhanced anti-poisoning performance against carbon monoxide of LaNi4.7Al0.3 alloy encapsulated in polymethyl methacrylate. Materials Letters, 2021, 302, 130409.	1.3	5

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55	Investigation of the phase occurrence and H sorption properties in the Y33.33Ni66.67Al (0Ââ‰ÂxÂâ‰Â33.33) system. Journal of Alloys and Compounds, 2021, 888, 161375.	2.8	4
56	NbCl5 and CrCl3 catalysts effect on synthesis and hydrogen storage performance of Mgâ€“Niâ€“NiO composites. Bulletin of Materials Science, 2014, 37, 77-82.	0.8	3
57	NbF₅ and CrF₃ Catalysts Effects on Synthesis and Hydrogen Storage Performance of Mg-Ni-NiO Composites. Advanced Materials Research, 2013, 681, 31-37.	0.3	1
58	Study of the hydrogen-induced amorphization in the LaNi2.28 alloy. RSC Advances, 2014, 4, 27207-27212.	1.7	1
59	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
60	Cycling Stability Performance of La0.75Mg0.25Ni3.5Si0.10 Hydrogen Storage Alloy in Dischargeâ€“Charge System. International Journal of Nanoscience, 2014, 13, 1460003.	0.4	0
61	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