

Jiang-Wen Liu

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131
ext. papers

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ext. citations

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#	Paper	IF	Citations
122	New Nanoconfined Galvanic Replacement Synthesis of Hollow Sb@C Yolk-Shell Spheres Constituting a Stable Anode for High-Rate Li/Na-Ion Batteries. <i>Nano Letters</i> , 2017 , 17, 2034-2042	11.5	306
121	A General Metal-Organic Framework (MOF)-Derived Selenidation Strategy for In Situ Carbon-Encapsulated Metal Selenides as High-Rate Anodes for Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1707573	15.6	239
120	Enhancing the Regeneration Process of Consumed NaBH ₄ for Hydrogen Storage. <i>Advanced Energy Materials</i> , 2017 , 7, 1700299	21.8	223
119	Robust Pitaya-Structured Pyrite as High Energy Density Cathode for High-Rate Lithium Batteries. <i>ACS Nano</i> , 2017 , 11, 9033-9040	16.7	200
118	Mg ^{II} M (TM: Ti, Nb, V, Co, Mo or Ni) core-shell like nanostructures: synthesis, hydrogen storage performance and catalytic mechanism. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9645-9655	13	167
117	Remarkable enhancement in dehydrogenation of MgH ₂ by a nano-coating of multi-valence Ti-based catalysts. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5603	13	164
116	Progress of hydrogen storage alloys for Ni-MH rechargeable power batteries in electric vehicles: A review. <i>Materials Chemistry and Physics</i> , 2017 , 200, 164-178	4.4	132
115	Mechanistic Understanding of Metal Phosphide Host for Sulfur Cathode in High-Energy-Density Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2019 , 13, 8986-8996	16.7	129
114	Hydrolysis and regeneration of sodium borohydride (NaBH ₄) A combination of hydrogen production and storage. <i>Journal of Power Sources</i> , 2017 , 359, 400-407	8.9	129
113	Mesoporous Mo ₂ C/N-doped carbon heteronanowires as high-rate and long-life anode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10842-10849	13	119
112	Closing the Loop for Hydrogen Storage: Facile Regeneration of NaBH from its Hydrolytic Product. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8623-8629	16.4	116
111	Symbiotic CeH _{2.73} /CeO ₂ catalyst: A novel hydrogen pump. <i>Nano Energy</i> , 2014 , 9, 80-87	17.1	115
110	A mechanical-force-driven physical vapour deposition approach to fabricating complex hydride nanostructures. <i>Nature Communications</i> , 2014 , 5, 3519	17.4	115
109	Converting H ⁺ from coordinated water into H ₂ enables super facile synthesis of LiBH ₄ . <i>Green Chemistry</i> , 2019 , 21, 4380-4387	10	96
108	Metal-Organic Framework-Derived NiSb Alloy Embedded in Carbon Hollow Spheres as Superior Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2516-2525	9.5	95
107	Altered desorption enthalpy of MgH ₂ by the reversible formation of Mg(In) solid solution. <i>Scripta Materialia</i> , 2011 , 65, 285-287	5.6	87
106	Magnesium-based hydrogen storage compounds: A review. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 154865	5.7	84

105	Express penetration of hydrogen on Mg(10 13) along the close-packed-planes. <i>Scientific Reports</i> , 2015 , 5, 10776	4.9	81
104	Hydrogen generation via hydrolysis of magnesium with seawater using Mo, MoO ₂ , MoO ₃ and MoS ₂ as catalysts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8566-8575	13	76
103	FeP@C Nanotube Arrays Grown on Carbon Fabric as a Low Potential and Freestanding Anode for High-Performance Li-Ion Batteries. <i>Small</i> , 2018 , 14, e1800793	11	73
102	Air-stable hydrogen generation materials and enhanced hydrolysis performance of MgH ₂ -LiNH ₂ composites. <i>Journal of Power Sources</i> , 2017 , 359, 427-434	8.9	69
101	A long-life nano-silicon anode for lithium ion batteries: supporting of graphene nanosheets exfoliated from expanded graphite by plasma-assisted milling. <i>Electrochimica Acta</i> , 2016 , 187, 1-10	6.7	68
100	Self-Supported CoP Nanorod Arrays Grafted on Stainless Steel as an Advanced Integrated Anode for Stable and Long-Life Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2017 , 23, 5198-5204	4.8	65
99	A highly stable (SnO _x -Sn)@few layered graphene composite anode of sodium-ion batteries synthesized by oxygen plasma assisted milling. <i>Journal of Power Sources</i> , 2017 , 350, 1-8	8.9	65
98	Facile synthesis of Ge@FLG composites by plasma assisted ball milling for lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11280-11285	13	64
97	Advanced high-pressure metal hydride fabricated via TiCrMn alloys for hybrid tank. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 2717-2728	6.7	64
96	Development of ZrFeV alloys for hybrid hydrogen storage system. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 11242-11253	6.7	62
95	A new method for few-layer graphene preparation via plasma-assisted ball milling. <i>Journal of Alloys and Compounds</i> , 2017 , 728, 578-584	5.7	60
94	Facilitating de/hydrogenation by long-period stacking ordered structure in Mg based alloys. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 10438-10445	6.7	56
93	Composition design of TiCrMnFe alloys for hybrid high-pressure metal hydride tanks. <i>Journal of Alloys and Compounds</i> , 2015 , 639, 452-457	5.7	53
92	A spherical SnFe ₃ O ₄ @graphite composite as a long-life and high-rate-capability anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10321-10328	13	52
91	Sandwiched MoS ₂ /polyaniline nanosheets array vertically aligned on reduced graphene oxide for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018 , 270, 387-394	6.7	48
90	Structural characteristics and hydrogen storage properties of Sm ₂ Co ₇ . <i>Journal of Alloys and Compounds</i> , 2014 , 608, 14-18	5.7	45
89	Hierarchical nanoflowers assembled from MoS ₂ /polyaniline sandwiched nanosheets for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2017 , 243, 98-104	6.7	44
88	Deformable fibrous carbon supported ultrafine nano-SnO ₂ as a high volumetric capacity and cyclic durable anode for Li storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15097-15107	13	44

87	Sn buffered by shape memory effect of NiTi alloys as high-performance anodes for lithium ion batteries. <i>Acta Materialia</i> , 2012 , 60, 4695-4703	8.4	43
86	Progress on Sn-based thin-film anode materials for lithium-ion batteries. <i>Science Bulletin</i> , 2012 , 57, 4119-4130		43
85	Lithium Difluorophosphate As a Promising Electrolyte Lithium Additive for High-Voltage Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2647-2656	6.1	42
84	Towards easy reversible dehydrogenation of LiBH ₄ by catalyzing hierarchic nanostructured CoB. <i>Nano Energy</i> , 2014 , 10, 235-244	17.1	40
83	Enhancing the performance of Sn/C nanocomposite as lithium ion anode by discharge plasma assisted milling. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8022		40
82	Origin of Capacity Increasing in a Long-Life Ternary SnFe ₃ O ₄ @Graphite Anode for Li-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700113	4.6	39
81	Phase transition and hydrogen storage properties of Mg/Ca alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 642, 180-184	5.7	39
80	Hydrogen generation from sodium borohydride hydrolysis accelerated by zinc chloride without catalyst: A kinetic study. <i>Journal of Alloys and Compounds</i> , 2017 , 717, 48-54	5.7	38
79	Comparative investigation on the hydrogenation/dehydrogenation characteristics and hydrogen storage properties of Mg ₃ Ag and Mg ₃ Y. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 13616-13621	6.7	38
78	Fully Reversible De/hydriding of Mg Base Solid Solutions with Reduced Reaction Enthalpy and Enhanced Kinetics. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12087-12096	3.8	37
77	3,3S(Ethylenedioxy)dipropionitrile as an Electrolyte Additive for 4.5 V LiNiCoMnO/Graphite Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9630-9639	9.5	36
76	Sn-C and Se-C Co-Bonding SnSe/Few-Layered Graphene Micro-Nano Structure: Route to a Densely Compacted and Durable Anode for Lithium/Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36685-36696	9.5	36
75	An amorphous wrapped nanorod LiV ₃ O ₈ electrode with enhanced performance for lithium ion batteries. <i>RSC Advances</i> , 2012 , 2, 7273	3.7	36
74	Facile synthesis of self-supported Mn ₃ O ₄ @C nanotube arrays constituting an ultrastable and high-rate anode for flexible Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8555-8565	13	35
73	Co-Substitution Enhances the Rate Capability and Stabilizes the Cyclic Performance of O ₃ -Type Cathode NaNiMnTiCo O for Sodium-Ion Storage at High Voltage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7906-7913	9.5	33
72	Nanoconfined Oxidation Synthesis of N-Doped Carbon Hollow Spheres and MnO Encapsulated Sulfur Cathode for Superior Li-S Batteries. <i>Chemistry - A European Journal</i> , 2018 , 24, 4573-4582	4.8	33
71	Constructing Li-Rich Artificial SEI Layer in Alloy-Polymer Composite Electrolyte to Achieve High Ionic Conductivity for All-Solid-State Lithium Metal Batteries. <i>Advanced Materials</i> , 2021 , 33, e2004711	24	32
70	Silicon/Wolfram Carbide@Graphene composite: enhancing conductivity and structure stability in amorphous-silicon for high lithium storage performance. <i>Electrochimica Acta</i> , 2016 , 191, 462-472	6.7	29

69	Unraveling the Catalytic Activity of FeBased Compounds toward Li ₂ Sx in LiB Chemical System from dβ Bands. <i>Advanced Energy Materials</i> , 2021 , 11, 2100673	21.8	29
68	Destabilizing the dehydriding thermodynamics of MgH ₂ by reversible intermetallics formation in MgAgZn ternary alloys. <i>Journal of Power Sources</i> , 2018 , 396, 796-802	8.9	28
67	Reversible hydrogen storage in yttrium aluminum hydride. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 60423604627		
66	Nano-spatially confined and interface-controlled lithiationdelithiation in an in situ formed (SnSβnS2β)/FLG composite: a route to an ultrafast and cycle-stable anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15320-15332	13	24
65	Growth mechanism of black phosphorus synthesized by different ball milling techniques. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 339-346	5.7	24
64	Oxygen-Incorporated and Polyaniline-Intercalated 1T/2H Hybrid MoS ₂ Nanosheets Arrayed on Reduced Graphene Oxide for High-Performance Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 8128-8136	3.8	23
63	Exfoliation of MoS and h-BN nanosheets by hydrolysis of LiBH. <i>Nanotechnology</i> , 2017 , 28, 115604	3.4	22
62	Realizing facile regeneration of spent NaBH ₄ with MgAl alloy. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10723-10728	13	21
61	Citraconic anhydride as an electrolyte additive to improve the high temperature performance of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ /graphite pouch batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 805, 757-766	5.7	21
60	Reversible De/hydriding Reactions between Two New MgThLi Compounds with Improved Thermodynamics and Kinetics. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 26858-26865	3.8	21
59	Microsized Sn supported by NiTi alloy as a high-performance film anode for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9539		21
58	Chemical bonding black phosphorus with TiO ₂ and carbon toward high-performance lithium storage. <i>Journal of Power Sources</i> , 2020 , 449, 227549	8.9	21
57	Engineering layer structure of MoS ₂ /polyaniline/graphene nanocomposites to achieve fast and reversible lithium storage for high energy density aqueous lithium-ion capacitors. <i>Journal of Power Sources</i> , 2020 , 450, 227680	8.9	20
56	A phosphorus and carbon composite containing nanocrystalline Sb as a stable and high-capacity anode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 443-452	13	18
55	Enhanced cyclic stability of SnS microplates with conformal carbon coating derived from ethanol vapor deposition for sodium-ion batteries. <i>Applied Surface Science</i> , 2018 , 436, 912-918	6.7	18
54	The milled LiBH ₄ /h-BN composites exhibiting unexpected hydrogen storage kinetics and reversibility. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15790-15798	6.7	17
53	Adding Metal Carbides to Suppress the Crystalline LiSi Formation: A Route toward Cycling Durable Si-Based Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38727-38738	3.5	17
52	Controllable Hydrolysis Performance of MgLi Alloys and Their Hydrides. <i>ChemPhysChem</i> , 2019 , 20, 1316-1324	3.3	17

51	Improved coulombic efficiency and cycleability of SnO ₂ /Cu-graphite composite anode with dual scale embedding structure. <i>RSC Advances</i> , 2016 , 6, 13384-13391	3.7	16
50	Improving hydrogen storage properties of MgH ₂ by addition of alkali hydroxides. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 10932-10938	6.7	16
49	Reversible hydriding in YFe Al (x= 0.3, 0.5, 0.7) intermetallic compounds. <i>Journal of Alloys and Compounds</i> , 2016 , 689, 843-848	5.7	15
48	Closing the Loop for Hydrogen Storage: Facile Regeneration of NaBH ₄ from its Hydrolytic Product. <i>Angewandte Chemie</i> , 2020 , 132, 8701-8707	3.6	13
47	Hydrogen generation properties and the hydrolysis mechanism of Zr(BH ₄) ₄ /NH ₃ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16630-16635	13	13
46	Hydrogen-Induced Reversible Phase Transformations and Hydrogen Storage Properties of MgAgAl Ternary Alloys. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 27117-27127	3.8	13
45	Achieving high equilibrium pressure and low hysteresis of ZrFe based hydrogen storage alloy by Cr/V substitution. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 1436-1444	5.7	12
44	Reversible hydrogen storage and phase transformation with altered desorption pressure in Mg ₉₀ In ₅ Cd ₅ ternary alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 645, S103-S106	5.7	12
43	High-pressure hydrogen storage performances of ZrFe ₂ based alloys with Mn, Ti, and V addition. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 9836-9844	6.7	11
42	Low temperature de/hydrogenation in the partially crystallized Mg ₆₀ Ce ₁₀ Ni ₂₀ Cu ₁₀ metallic glasses induced by milling with process control agents. <i>Journal of Alloys and Compounds</i> , 2019 , 792, 835-843	5.7	10
41	Reducing the electrochemical capacity decay of milled Mg/Ni alloys: The role of stabilizing amorphous phase by Ti-substitution. <i>Journal of Power Sources</i> , 2019 , 438, 226984	8.9	9
40	Hydrogenation and crystallization of amorphous phase: A new mechanism for the electrochemical capacity and its decay in milled Mg Ni alloys. <i>Electrochimica Acta</i> , 2019 , 305, 145-154	6.7	9
39	High speed abrasive electrical discharge machining of particulate reinforced metal matrix composites. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015 , 16, 1399-1404	1.7	9
38	Improving dehydrogenation properties of Mg/Nb composite films via tuning Nb distributions. <i>Rare Metals</i> , 2017 , 36, 574-580	5.5	9
37	High Damping of Lightweight TiNi-Ti ₂ Ni Shape Memory Composites for Wide Temperature Range Usage. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 4970-4976	1.6	8
36	Metallic Ni nanocatalyst in situ formed from LaNi ₅ H ₅ toward efficient CO ₂ methanation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 29068-29074	6.7	8
35	Enhanced hydrogen generation performance of CaMg ₂ -based materials by ball milling. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 918-929	6.8	8
34	Dual-Carbon-Confined SnS Nanostructure with High Capacity and Long Cycle Life for Lithium-ion Batteries. <i>Energy and Environmental Materials</i> , 2020 ,	13	8

33	Microsized SnS/Few-Layer Graphene Composite with Interconnected Nanosized Building Blocks for Superior Volumetric Lithium and Sodium Storage. <i>Energy and Environmental Materials</i> , 2021 , 4, 229-238	13	8
32	Regulation of high-efficient regeneration of sodium borohydride by magnesium-aluminum alloy. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 29108-29115	6.7	7
31	Exploration of Ti substitution in AB2-type YZrFe based hydrogen storage alloys. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 29116-29122	6.7	7
30	Growth twinning behavior of cast Mg ₇₀ Al ₃₀ Zr alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2014 , 24, 316-320	3.3	7
29	Reaction Route Optimized LiBH ₄ for High Reversible Capacity Hydrogen Storage by Tunable Surface-Modified AlN. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11964-11973	6.1	7
28	Achieving superior de-/hydrogenation properties of C15 Laves phase Y-Fe-Al alloys by A-side substitution. <i>Journal of Alloys and Compounds</i> , 2019 , 787, 158-164	5.7	7
27	Achieving High Dehydrogenation Kinetics and Reversibility of LiBH ₄ by Adding Nanoporous h-BN to Destabilize LiH. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23336-23344	3.8	7
26	Efficient Synthesis of Sodium Borohydride: Balancing Reducing Agents with Intrinsic Hydrogen Source in Hydrated Borax. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 13449-13458	8.3	6
25	Increasing de-/hydriding capacity and equilibrium pressure by designing non-stoichiometry in Al-substituted YFe ₂ compounds. <i>Journal of Alloys and Compounds</i> , 2017 , 704, 491-498	5.7	5
24	Flowerlike Ti-Doped MoO ₃ Conductive Anode Fabricated by a Novel NiTi Dealloying Method: Greatly Enhanced Reversibility of the Conversion and Intercalation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8240-8248	9.5	4
23	Improvement in the Electrochemical Lithium Storage Performance of MgH ₂ . <i>Inorganics</i> , 2018 , 6, 2	2.9	4
22	Microstructural evolution and hydrogen storage properties of Mg _{1-x} Nbx(x=0.17~0.76) alloy films via Co-Sputtering. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 29100-29107	6.7	4
21	Overview of hydrogen compression materials based on a three-stage metal hydride hydrogen compressor. <i>Journal of Alloys and Compounds</i> , 2021 , 162465	5.7	4
20	Tuning hydrogen storage thermodynamic properties of ZrFe ₂ by partial substitution with rare earth element Y. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 18445-18452	6.7	4
19	In-situ introducing TiP ₂ nanocrystals in black phosphorus anode to promote high rate-capacity synergy. <i>Journal of Power Sources</i> , 2021 , 499, 229979	8.9	4
18	Phase transformation and hydrogen storage properties of LaY ₂ Ni _{10.5} superlattice alloy with single Gd ₂ Co ₇ -type or Ce ₂ Ni ₇ -type structure. <i>Journal of Alloys and Compounds</i> , 2021 , 868, 159254	5.7	4
17	Direct Microstructural Evidence on the Catalyzing Mechanism for De/hydrogenation of Mg by Multi-valence NbO _x . <i>Journal of Physical Chemistry C</i> , 2020 , 124, 6571-6579	3.8	3
16	Ti-Cr-Mn-Fe-based alloys optimized by orthogonal experiment for 85MPa hydrogen compression materials. <i>Journal of Alloys and Compounds</i> , 2022 , 891, 161791	5.7	3

15	Invariant Deformation Element Model Interpretation to the Crystallography of Diffusional Body-Centered-Cube to Face-Centered-Cube Phase Transformations. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 3636-3641	2.3	2
14	Exploring the Hydrogen-Induced Amorphization and Hydrogen Storage Reversibility of Y(Sc)Ni Laves Phase Compounds. <i>Materials</i> , 2021 , 14,	3.5	2
13	An AlNi alloy/water system for superior and low-temperature hydrogen production. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 3473-3481	6.8	2
12	Box office forecasting for a cinema with movie and cinema attributes 2018 ,		1
11	Effective synthesis of magnesium borohydride via B-O to B-H bond conversion. <i>Chemical Engineering Journal</i> , 2022 , 432, 134322	14.7	1
10	Hydrogen Transportation Behaviour of V-Ni Solid Solution: A First-Principles Investigation. <i>Materials</i> , 2021 , 14,	3.5	1
9	Direct Detection and Visualization of the H Reaction Process in a VO Cathode for Aqueous Zinc-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7076-7084	6.4	1
8	Promoting the cycling stability of amorphous MgNi-based alloy electrodes by mitigating hydrogen-induced crystallization. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 6701-6708	6.7	1
7	The Electrolyte Additive Effects on Commercialized Ni-Rich Li _x Ni _y Co _z Mn _{1-x-y-z} O ₂ (x + y + z = 1) Based Lithium-Ion Pouch Batteries at High Temperature. <i>ACS Applied Energy Materials</i> , 2021 , 4, 2292-2299	6.1	1
6	Li ₂ S Batteries: Unraveling the Catalytic Activity of Fe-Based Compounds toward Li ₂ S _x in Li ₂ S Chemical System from d _π Bands (Adv. Energy Mater. 26/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170101	21.8	1
5	Using tetramethylammonium hydroxide electrolyte to inhibit corrosion of Mg-based amorphous alloy anodes: A route for promotion energy density of Ni-MH battery. <i>Journal of Alloys and Compounds</i> , 2022 , 907, 164293	5.7	1
4	Improving hydrogen-induced crystallization and electrochemical hydrogen storage properties of MgNi amorphous alloy with CoB addition. <i>Journal of Non-Crystalline Solids</i> , 2022 , 588, 121646	3.9	1
3	Breaking the Passivation: Sodium Borohydride Synthesis by Reacting Hydrated Borax with Aluminum. <i>Chemistry - A European Journal</i> , 2021 , 27, 9087-9093	4.8	0
2	Comparative study of Ga and Al alloying with ZrFe ₂ for high-pressure hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 13409-13417	6.7	0
1	N-Doped Carbon Coated SnS/rGO Composite with Superior Cyclic Stability as Anode for Lithium-Ion Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 4339-4347	3.9	0