

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180 papers	17,387 citations	68 h-index	129 g-index
191 ext. papers	22,273 ext. citations	14.1 avg, IF	7.03 L-index

#	Paper	IF	Citations
180	"Water-in-salt" electrolyte enables high-voltage aqueous lithium-ion chemistries. <i>Science</i> , 2015 , 350, 938-43	33.3	1717
179	Highly reversible zinc metal anode for aqueous batteries. <i>Nature Materials</i> , 2018 , 17, 543-549	27	1128
178	Zn/MnO Battery Chemistry With H and Zn Coinsertion. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9775-9778	16.4	866
177	High electronic conductivity as the origin of lithium dendrite formation within solid electrolytes. <i>Nature Energy</i> , 2019 , 4, 187-196	62.3	653
176	Non-flammable electrolyte enables Li-metal batteries with aggressive cathode chemistries. <i>Nature Nanotechnology</i> , 2018 , 13, 715-722	28.7	606
175	Highly Fluorinated Interphases Enable High-Voltage Li-Metal Batteries. <i>CheM</i> , 2018 , 4, 174-185	16.2	435
174	Advanced High-Voltage Aqueous Lithium-Ion Battery Enabled by "Water-in-Bisalt" Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7136-41	16.4	435
173	Water-in-Salt Electrolyte Makes Aqueous Sodium-Ion Battery Safe, Green, and Long-Lasting. <i>Advanced Energy Materials</i> , 2017 , 7, 1701189	21.8	335
172	4.0V Aqueous Li-Ion Batteries. <i>Joule</i> , 2017 , 1, 122-132	27.8	324
171	Red phosphorus-single-walled carbon nanotube composite as a superior anode for sodium ion batteries. <i>ACS Nano</i> , 2015 , 9, 3254-64	16.7	312
170	Fluorinated solid electrolyte interphase enables highly reversible solid-state Li metal battery. <i>Science Advances</i> , 2018 , 4, eaau9245	14.3	289
169	Interphase Engineering Enabled All-Ceramic Lithium Battery. <i>Joule</i> , 2018 , 2, 497-508	27.8	272
168	Extremely stable antimony-carbon composite anodes for potassium-ion batteries. <i>Energy and Environmental Science</i> , 2019 , 12, 615-623	35.4	268
167	All-temperature batteries enabled by fluorinated electrolytes with non-polar solvents. <i>Nature Energy</i> , 2019 , 4, 882-890	62.3	267
166	High-Performance All-Solid-State Lithium-Sulfur Battery Enabled by a Mixed-Conductive Li ₂ S Nanocomposite. <i>Nano Letters</i> , 2016 , 16, 4521-7	11.5	258
165	Electrolyte design for LiF-rich solid-electrolyte interfaces to enable high-performance micro-sized alloy anodes for batteries. <i>Nature Energy</i> , 2020 , 5, 386-397	62.3	250
164	Flexible ReS ₂ nanosheets/N-doped carbon nanofibers-based paper as a universal anode for alkali (Li, Na, K) ion battery. <i>Nano Energy</i> , 2018 , 45, 346-352	17.1	234

163	Hybrid Aqueous/Non-aqueous Electrolyte for Safe and High-Energy Li-Ion Batteries. <i>Joule</i> , 2018 , 2, 927-937	23.7	194
162	Enhancing the reversibility of Mg/S battery chemistry through Li(+) mediation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12388-93	16.4	185
161	A rechargeable aqueous Zn ²⁺ -battery with high power density and a long cycle-life. <i>Energy and Environmental Science</i> , 2018 , 11, 3168-3175	35.4	182
160	High power rechargeable magnesium/iodine battery chemistry. <i>Nature Communications</i> , 2017 , 8, 14083	17.4	177
159	Superior Stable Self-Healing SnP ₃ Anode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015 , 5, 1500174	21.8	175
158	Electrospun FeS ₂ @Carbon Fiber Electrode as a High Energy Density Cathode for Rechargeable Lithium Batteries. <i>ACS Nano</i> , 2016 , 10, 1529-38	16.7	171
157	High-Voltage Aqueous Magnesium Ion Batteries. <i>ACS Central Science</i> , 2017 , 3, 1121-1128	16.8	168
156	A Rechargeable Al/S Battery with an Ionic-Liquid Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9898-901	16.4	168
155	Solid-State Fabrication of SnS ₂ /C Nanospheres for High-Performance Sodium Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11476-81	9.5	161
154	Intercalation of Bi nanoparticles into graphite results in an ultra-fast and ultra-stable anode material for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2018 , 11, 1218-1225	35.4	154
153	High-Fluorinated Electrolytes for LiB Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803774	21.8	144
152	Stabilizing high voltage LiCoO ₂ cathode in aqueous electrolyte with interphase-forming additive. <i>Energy and Environmental Science</i> , 2016 , 9, 3666-3673	35.4	140
151	Water-in-Salt Electrolytes enable green and safe Li-ion batteries for large scale electric energy storage applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6639-6644	13	140
150	Self-Templated Formation of P2-type KCoO Microspheres for High Reversible Potassium-Ion Batteries. <i>Nano Letters</i> , 2018 , 18, 1522-1529	11.5	133
149	Interface engineering of sulfide electrolytes for all-solid-state lithium batteries. <i>Nano Energy</i> , 2018 , 53, 958-966	17.1	133
148	Flexible Aqueous Li-Ion Battery with High Energy and Power Densities. <i>Advanced Materials</i> , 2017 , 29, 1701972	24	121
147	A Universal Organic Cathode for Ultrafast Lithium and Multivalent Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7146-7150	16.4	114
146	Layered P2-Type K _{0.65} Fe _{0.5} Mn _{0.5} O ₂ Microspheres as Superior Cathode for High-Energy Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1800219	15.6	114

145	Ether-based electrolyte enabled Na/FeS ₂ rechargeable batteries. <i>Electrochemistry Communications</i> , 2015 , 54, 18-22	5.1	107
144	Superior reversible tin phosphide-carbon spheres for sodium ion battery anode. <i>Nano Energy</i> , 2017 , 38, 350-357	17.1	104
143	Countersolvent Electrolytes for Lithium-Metal Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1903568	21.8	102
142	Unique aqueous Li-ion/sulfur chemistry with high energy density and reversibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6197-6202	11.5	100
141	In situ formed carbon bonded and encapsulated selenium composites for LiSe and NaSe batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 555-561	13	98
140	Azo compounds as a family of organic electrode materials for alkali-ion batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2004-2009	11.5	98
139	High-Performance All-Inorganic Solid-State Sodium-Sulfur Battery. <i>ACS Nano</i> , 2017 , 11, 4885-4891	16.7	96
138	High-Energy Li Metal Battery with Lithiated Host. <i>Joule</i> , 2019 , 3, 732-744	27.8	95
137	Scalable synthesis of Na ₃ V ₂ (PO ₄) ₃ /C porous hollow spheres as a cathode for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10378-10385	13	93
136	Recent Progress on Spray Pyrolysis for High Performance Electrode Materials in Lithium and Sodium Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1601578	21.8	92
135	Thermodynamics and Kinetics of Sulfur Cathode during Discharge in MgTFSI -DME Electrolyte. <i>Advanced Materials</i> , 2018 , 30, 1704313	24	90
134	Lithium Nitrate Regulated Sulfone Electrolytes for Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22194-22201	16.4	88
133	A Highly Reversible, Dendrite-Free Lithium Metal Anode Enabled by a Lithium-Fluoride-Enriched Interphase. <i>Advanced Materials</i> , 2020 , 32, e1906427	24	87
132	Achieving High Energy Density through Increasing the Output Voltage: A Highly Reversible 5.3V Battery. <i>Chem</i> , 2019 , 5, 896-912	16.2	86
131	High energy-density and reversibility of iron fluoride cathode enabled via an intercalation-extrusion reaction. <i>Nature Communications</i> , 2018 , 9, 2324	17.4	86
130	Manipulating electrolyte and solid electrolyte interphase to enable safe and efficient Li-S batteries. <i>Nano Energy</i> , 2018 , 50, 431-440	17.1	84
129	PEDOT Encapsulated FeOF Nanorod Cathodes for High Energy Lithium-Ion Batteries. <i>Nano Letters</i> , 2015 , 15, 7650-6	11.5	82
128	Azo Compounds Derived from Electrochemical Reduction of Nitro Compounds for High Performance Li-Ion Batteries. <i>Advanced Materials</i> , 2018 , 30, e1706498	24	82

127	A Pyrazine-Based Polymer for Fast-Charge Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17820-17826	16.4	82
126	Solid-State Electrolyte Design for Lithium Dendrite Suppression. <i>Advanced Materials</i> , 2020 , 32, e2002741	14	82
125	Tuning the Anode-Electrolyte Interface Chemistry for Garnet-Based Solid-State Li Metal Batteries. <i>Advanced Materials</i> , 2020 , 32, e2000030	24	81
124	Antimony Nanorod Encapsulated in Cross-Linked Carbon for High-Performance Sodium Ion Battery Anodes. <i>Nano Letters</i> , 2019 , 19, 538-544	11.5	81
123	Advanced High-Voltage Aqueous Lithium-Ion Battery Enabled by Water-in-Bisalt Electrolyte. <i>Angewandte Chemie</i> , 2016 , 128, 7252-7257	3.6	80
122	Tailoring Surface Acidity of Metal Oxide for Better Polysulfide Entrapment in Li-S Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 7164-7169	15.6	78
121	High-voltage liquid electrolytes for Li batteries: progress and perspectives. <i>Chemical Society Reviews</i> , 2021 , 50, 10486-10566	58.5	77
120	Building Self-Healing Alloy Architecture for Stable Sodium-Ion Battery Anodes: A Case Study of Tin Anode Materials. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7147-55	9.5	76
119	Designing In-Situ-Formed Interphases Enables Highly Reversible Cobalt-Free LiNiO ₂ Cathode for Li-ion and Li-metal Batteries. <i>Joule</i> , 2019 , 3, 2550-2564	27.8	76
118	Roll-to-roll fabrication of organic nanorod electrodes for sodium ion batteries. <i>Nano Energy</i> , 2015 , 13, 537-545	17.1	73
117	Scalable Synthesis of Defect Abundant Si Nanorods for High-Performance Li-Ion Battery Anodes. <i>ACS Nano</i> , 2015 , 9, 6576-86	16.7	73
116	Structure and Interface Design Enable Stable Li-Rich Cathode. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8918-8927	16.4	72
115	High-Performance All-Solid-State Na-S Battery Enabled by Casting-Annealing Technology. <i>ACS Nano</i> , 2018 , 12, 3360-3368	16.7	71
114	Electrochemical Techniques for Intercalation Electrode Materials in Rechargeable Batteries. <i>Accounts of Chemical Research</i> , 2017 , 50, 1022-1031	24.3	70
113	Enhanced hydrogen storage properties of MgH ₂ with numerous hydrogen diffusion channels provided by Na ₂ Ti ₃ O ₇ nanotubes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6178-6185	13	69
112	Carbon cage encapsulating nano-cluster Li ₂ S by ionic liquid polymerization and pyrolysis for high performance Li-S batteries. <i>Nano Energy</i> , 2015 , 13, 467-473	17.1	67
111	Pomegranate-Structured Conversion-Reaction Cathode with a Built-in Li Source for High-Energy Li-Ion Batteries. <i>ACS Nano</i> , 2016 , 10, 5567-77	16.7	67
110	Activation of Oxygen-Stabilized Sulfur for Li and Na Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 745-752	15.6	66

109	P2-type transition metal oxides for high performance Na-ion battery cathodes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18214-18220	13	66
108	Reducing Mg Anode Overpotential via Ion Conductive Surface Layer Formation by Iodine Additive. <i>Advanced Energy Materials</i> , 2018 , 8, 1701728	21.8	65
107	Electrolyte design for Li metal-free Li batteries. <i>Materials Today</i> , 2020 , 39, 118-126	21.8	64
106	Existence of Solid Electrolyte Interphase in Mg Batteries: Mg/S Chemistry as an Example. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14767-14776	9.5	64
105	Reverse Microemulsion Synthesis of Sulfur/Graphene Composite for Lithium/Sulfur Batteries. <i>ACS Nano</i> , 2017 , 11, 9048-9056	16.7	64
104	Identification of LiH and nanocrystalline LiF in the solid-electrolyte interphase of lithium metal anodes. <i>Nature Nanotechnology</i> , 2021 , 16, 549-554	28.7	64
103	Transition metal (Co, Ni) nanoparticles wrapped with carbon and their superior catalytic activities for the reversible hydrogen storage of magnesium hydride. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 4019-4029	3.6	63
102	Self-Healing Chemistry between Organic Material and Binder for Stable Sodium-Ion Batteries. <i>Chem</i> , 2017 , 3, 1050-1062	16.2	63
101	A tin-plated copper substrate for efficient cycling of lithium metal in an anode-free rechargeable lithium battery. <i>Electrochimica Acta</i> , 2017 , 258, 1201-1207	6.7	62
100	Novel AgPd hollow spheres anchored on graphene as an efficient catalyst for dehydrogenation of formic acid at room temperature. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 657-666	13	59
99	Remarkably Improved Hydrogen Storage Performance of MgH ₂ Catalyzed by Multivalence NbH _x Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8554-8562	3.8	58
98	Atomic-Layer-Deposition Functionalized Carbonized Mesoporous Wood Fiber for High Sulfur Loading Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14801-14807	9.5	57
97	Tuning Anionic Chemistry To Improve Kinetics of Mg Intercalation. <i>Chemistry of Materials</i> , 2019 , 31, 3183-3191	31.91	57
96	Carbon encapsulated 3D hierarchical Fe ₃ O ₄ spheres as advanced anode materials with long cycle lifetimes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14641-14648	13	57
95	In situ synthesis of SnO ₂ nanoparticles encapsulated in micro/mesoporous carbon foam as a high-performance anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18367-18374	13	56
94	Lithium Metal Batteries Enabled by Synergetic Additives in Commercial Carbonate Electrolytes. <i>ACS Energy Letters</i> , 2021 , 6, 1839-1848	20.1	53
93	In situ lithiated FeF ₃ /C nanocomposite as high energy conversion-reaction cathode for lithium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 307, 435-442	8.9	52
92	Enhanced hydriding/dehydriding performance of 2LiBH ₄ /MgH ₂ composite by the catalytic effects of transition metal chlorides. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20764		51

91	A Rechargeable Al/S Battery with an Ionic-Liquid Electrolyte. <i>Angewandte Chemie</i> , 2016 , 128, 10052-10055	5.5	50
90	A chemically stabilized sulfur cathode for lean electrolyte lithium sulfur batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 14712-14720	11.5	49
89	Enhanced hydrogen storage capacity and reversibility of LiBH ₄ nanoconfined in the densified zeolite-templated carbon with high mechanical stability. <i>Nano Energy</i> , 2015 , 15, 244-255	17.1	48
88	Active species of CeAl(4) in the CeCl(3)-doped sodium aluminium hydride and its enhancement on reversible hydrogen storage performance. <i>Chemical Communications</i> , 2009 , 6857-9	5.8	47
87	Low-Temperature Reversible Hydrogen Storage Properties of LiBH ₄ : A Synergetic Effect of Nanoconfinement and Nanocatalysis. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11252-11260	3.8	46
86	In situ healing of dendrites in a potassium metal battery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 5588-5594	11.5	45
85	Development of Ti ₄ CrMnFe based alloys with high hydrogen desorption pressures for hybrid hydrogen storage vessel application. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 12803-12810	6.7	45
84	High-Energy-Density Rechargeable Mg Battery Enabled by a Displacement Reaction. <i>Nano Letters</i> , 2019 , 19, 6665-6672	11.5	44
83	Synergistic Catalytic Activity of Porous Rod-like TMTiO ₃ (TM = Ni and Co) for Reversible Hydrogen Storage of Magnesium Hydride. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 27973-27982	3.8	43
82	A Universal Organic Cathode for Ultrafast Lithium and Multivalent Metal Batteries. <i>Angewandte Chemie</i> , 2018 , 130, 7264-7268	3.6	42
81	Catalytic Mechanism of New TiC-Doped Sodium Alanate for Hydrogen Storage. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20745-20751	3.8	40
80	Highly synergetic catalytic mechanism of Ni@g-C ₃ N ₄ on the superior hydrogen storage performance of Li-Mg-B-H system. <i>Energy Storage Materials</i> , 2018 , 13, 199-206	19.4	39
79	Effects of NbF ₅ addition on the de/rehydrogenation properties of 2LiBH ₄ /MgH ₂ hydrogen storage system. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 13147-13154	6.7	39
78	Non-noble trimetallic Cu-Ni-Co nanoparticles supported on metal-organic frameworks as highly efficient catalysts for hydrolysis of ammonia borane. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 501-508	5.7	37
77	Critical review on low-temperature Li-ion/metal batteries. <i>Advanced Materials</i> , 2021 , e2107899	24	37
76	Enhanced Hydriding/Dehydriding Performance of CeAl ₂ -Doped NaAlH ₄ and the Evolvement of Ce-Containing Species in the Cycling. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 2537-2543	3.8	36
75	High catalytic efficiency of amorphous TiB ₂ and NbB ₂ nanoparticles for hydrogen storage using the 2LiBH ₄ /MgH ₂ system. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11368	13	35
74	Enhanced Electrochemical Performance of Ni-Rich Layered Cathode Materials by using LiPF ₆ as a Cathode Additive. <i>ChemElectroChem</i> , 2019 , 6, 1536-1541	4.3	35

73	Preventing lithium dendrite-related electrical shorting in rechargeable batteries by coating separator with a Li-killing additive. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10755-10760	13	35
72	Influence of Ti super-stoichiometry on the hydrogen storage properties of $Ti_{1+x}Cr_{1.2}Mn_{0.2}Fe_{0.6}$ ($x = 0.1$) alloys for hybrid hydrogen storage application. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 307-311	5.7	34
71	Size effect on hydrogen storage properties of $NaAlH_4$ confined in uniform porous carbons. <i>Nano Energy</i> , 2013 , 2, 995-1003	17.1	34
70	Lithium Nitrate Regulated Sulfone Electrolytes for Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 22378-22385	3.6	33
69	Carbon coated sodium-titanate nanotube as an advanced intercalation anode material for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 365-372	5.7	32
68	Long Cycle Life All-Solid-State Sodium Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39645-39650	4.5	30
67	Direct synthesis of nanocrystalline $NaAlH_4$ complex hydride for hydrogen storage. <i>Applied Physics Letters</i> , 2009 , 94, 041907	3.4	31
66	Highly Reversible Conversion-Type FeOF Composite Electrode with Extended Lithium Insertion by Atomic Layer Deposition LiPON Protection. <i>Chemistry of Materials</i> , 2017 , 29, 8780-8791	9.6	29
65	$SnLi$ 4.4 nanoparticles encapsulated in carbon matrix as high performance anode material for lithium-ion batteries. <i>Nano Energy</i> , 2014 , 9, 196-203	17.1	29
64	An in-situ enabled lithium metal battery by plating lithium on a copper current collector. <i>Electrochemistry Communications</i> , 2018 , 89, 23-26	5.1	28
63	Significantly improved hydrogen storage properties of $NaAlH_4$ catalyzed by Ce-based nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9752	13	28
62	Hydriding-dehydriding kinetics and the microstructure of La- and Sm-doped $NaAlH_4$ prepared via direct synthesis method. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10861-10869	6.7	27
61	Integrating Multiredox Centers into One Framework for High-Performance Organic Li-Ion Battery Cathodes. <i>ACS Energy Letters</i> , 2020 , 5, 224-231	20.1	27
60	Ambiently and Mechanically Stable Ionogels for Soft Ionotronics. <i>Advanced Functional Materials</i> , 2021 , 31, 2102773	15.6	27
59	Fluorographene nanosheets enhanced hydrogen absorption and desorption performances of magnesium hydride. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 12715-12726	6.7	23
58	Enhanced hydriding-dehydriding performance of a $2LiH/MgB_2$ composite by the catalytic effects of NiB nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10184	13	22
57	Reversible Alloying of Phosphorene with Potassium and Its Stabilization Using Reduced Graphene Oxide Buffer Layers. <i>ACS Nano</i> , 2019 , 13, 14094-14106	16.7	21
56	Enhanced hydrogen desorption properties of $LiBH_4-La(BH_4)_2$ by a synergetic effect of nanoconfinement and catalysis. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 17462-17470	6.7	21

55	GeP5/C composite as anode material for high power sodium-ion batteries with exceptional capacity. <i>Journal of Alloys and Compounds</i> , 2018 , 744, 15-22	5.7	20
54	Thermodynamics, Kinetics, and Modeling Investigation on the Dehydrogenation of CeAl4-Doped NaAlH4 Hydrogen Storage Material. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 22680-22687	3.8	20
53	La2O3-modified highly dispersed AuPd alloy nanoparticles and their superior catalysis on the dehydrogenation of formic acid. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9353-9360	6.7	19
52	Building robust architectures of carbon-wrapped transition metal nanoparticles for high catalytic enhancement of the 2LiBH4-MgH2 system for hydrogen storage cycling performance. <i>Nanoscale</i> , 2016 , 8, 14898-908	7.7	19
51	Fast hydrogen release under moderate conditions from NaBH4 destabilized by fluorographite. <i>RSC Advances</i> , 2014 , 4, 2550-2556	3.7	19
50	AuPd Nanoparticles Anchored on Nitrogen-Decorated Carbon Nanosheets with Highly Efficient and Selective Catalysis for the Dehydrogenation of Formic Acid. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4792-4801	3.8	18
49	Ternary perovskite nickel titanate/reduced graphene oxide nano-composite with improved lithium storage properties. <i>RSC Advances</i> , 2016 , 6, 61312-61318	3.7	18
48	A low temperature mechanochemical synthesis and characterization of amorphous NiB ultrafine nanoparticles. <i>Materials Letters</i> , 2013 , 109, 203-206	3.3	18
47	Investigation on the nature of active species in the CeCl3-doped sodium alanate system. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S750-S753	5.7	18
46	Superior dehydrogenation performance of nanoscale lithium borohydride modified with fluorographite. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 896-904	6.7	17
45	Reversible hydrogen storage behaviors and microstructure of TiC-doped sodium aluminum hydride. <i>Journal of Materials Science</i> , 2009 , 44, 4700-4704	4.3	17
44	In situ synthesis of ultrasmall SnO2 quantum dots on nitrogen-doped reduced graphene oxide composite as high performance anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 727, 1-7	5.7	16
43	Cooperative stabilization of bi-electrodes with robust interphases for high-voltage lithium-metal batteries. <i>Energy Storage Materials</i> , 2021 , 37, 521-529	19.4	16
42	In situ formation of polymer-inorganic solid-electrolyte interphase for stable polymeric solid-state lithium-metal batteries. <i>Chem</i> , 2021 ,	16.2	16
41	AnionDiluent Pairing for Stable High-Energy Li Metal Batteries. <i>ACS Energy Letters</i> , 2022 , 7, 1338-1347	20.1	16
40	PdCoNi nanoparticles supported on nitrogen-doped porous carbon nanosheets for room temperature dehydrogenation of formic acid. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 11675-11683	6.7	14
39	Significantly enhanced hydrogen desorption properties of Mg(AlH4)2 nanoparticles synthesized using solvent free strategy. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 112-120	3.6	12
38	Facile formation of NiCo2O4 yolk-shell spheres for highly reversible sodium storage. <i>Journal of Alloys and Compounds</i> , 2019 , 800, 125-133	5.7	12

37	Rational design of Sn-Sb-S composite with yolk-shell hydrangea-like structure as advanced anode material for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 793, 620-626	5.7	12
36	Synergetic Effect of in Situ Formed Nano NbH and LiH _{1-x} F _x for Improving Reversible Hydrogen Storage Properties of the Li-Mg-B-H System. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12019-12025	3.8	12
35	Synthesis and hydriding/dehydriding properties of nanosized sodium alanates prepared by reactive ball-milling. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 539-548	6.7	12
34	Improved de/hydrogenation properties and favorable reaction mechanism of CeH ₂ + KH co-doped sodium aluminum hydride. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 6577-6587	6.7	11
33	Synthesis of nanoscale CeAl ₄ and its high catalytic efficiency for hydrogen storage of sodium alanate. <i>Rare Metals</i> , 2017 , 36, 77-85	5.5	11
32	Probing an intermediate state by X-ray absorption near-edge structure in nickel-doped 2LiBH ₄ /MgH ₂ reactive hydride composite at moderate temperature. <i>Materials Today Nano</i> , 2020 , 12, 100090	9.7	11
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