Hailiang Chu

List of Publications by Year in descending order

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129 papers	4,130 citations	117625 34 h-index	144013 57 g-index
131 all docs	131 docs citations	131 times ranked	3807 citing authors

#	Article	IF	Citations
1	Simple synthesis of core-shell structure of Coâ€“Co3O4 @ carbon-nanotube-incorporated nitrogen-doped carbon for high-performance supercapacitor. Electrochimica Acta, 2018, 261, 537-547.	5.2	176
2	Nanosized Co- and Ni-Catalyzed Ammonia Borane for Hydrogen Storage. Chemistry of Materials, 2009, 21, 2315-2318.	6.7	156
3	Binary Coâ€“Ni oxide nanoparticle-loaded hierarchical graphitic porous carbon for high-performance supercapacitors. Journal of Materials Science and Technology, 2020, 37, 135-142.	10.7	140
4	Simple synthesis of graphene-doped flower-like cobaltâ€“nickelâ€“tungstenâ€“boron oxides with self-oxidation for high-performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 9907-9916.	10.3	122
5	Three-Dimensional Self-Supporting Ti₃C₂ with MoS₂ and Cu₂O Nanocrystals for High-Performance Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 22664-22675.	8.0	107
6	Ammonia sensor based on polypyrroleâ€“graphene nanocomposite decorated with titania nanoparticles. Ceramics International, 2015, 41, 6432-6438.	4.8	106
7	Broccoli-like porous carbon nitride from ZIF-8 and melamine for high performance supercapacitors. Applied Surface Science, 2018, 440, 47-54.	6.1	105
8	One-pot synthesis of ternary polypyrroleâ¿¿Prussian-blueâ¿¿graphene-oxide hybrid composite as electrode material for high-performance supercapacitors. Electrochimica Acta, 2016, 188, 126-134.	5.2	104
9	Synthesis of three-dimensional graphene aerogel encapsulated n-octadecane for enhancing phase-change behavior and thermal conductivity. Journal of Materials Chemistry A, 2017, 5, 15191-15199.	10.3	100
10	Graphene-oxide-induced lamellar structures used to fabricate novel composite solid-solid phase change materials for thermal energy storage. Chemical Engineering Journal, 2019, 362, 909-920.	12.7	94
11	Doping composite of polyaniline and reduced graphene oxide with palladium nanoparticles for room-temperature hydrogen-gas sensing. International Journal of Hydrogen Energy, 2016, 41, 5396-5404.	7.1	93
12	Structure and Hydrogen Storage Properties of Calcium Borohydride Diammoniate. Chemistry of Materials, 2010, 22, 6021-6028.	6.7	91
13	A room-temperature hydrogen sensor based on Pd nanoparticles doped TiO 2 nanotubes. Ceramics International, 2014, 40, 16343-16348.	4.8	89
14	A Versatile Approach to Boost Oxygen Reduction of Feâ€“N₄ Sites by Controllably Incorporating Sulfur Functionality. Advanced Functional Materials, 2021, 31, 2100833.	14.9	85
15	Spacing graphene and Ni-Co layered double hydroxides with polypyrrole for high-performance supercapacitors. Journal of Materials Science and Technology, 2020, 55, 190-197.	10.7	79
16	LiNH2BH3Â·NH3BH3: Structure and Hydrogen Storage Properties. Chemistry of Materials, 2010, 22, 3-5.	6.7	76
17	Polydopamine-assisted formation of Co3O4-nanocube-anchored reduced graphene oxide composite for high-performance supercapacitors. Ceramics International, 2019, 45, 13894-13902.	4.8	74
18	Chitosan-mediated Coâ€“Ceâ€“B nanoparticles for catalyzing the hydrolysis of sodium borohydride. International Journal of Hydrogen Energy, 2018, 43, 4912-4921.	7.1	72

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19	Hydrogen generation by hydrolysis of alkaline sodium borohydride using a cobaltâ€“zincâ€“boron/graphene nanocomposite treated with sodium hydroxide. International Journal of Hydrogen Energy, 2015, 40, 4111-4118.	7.1	60
20	Highly active nanoporous Coâ€“Bâ€“TiO2 framework for hydrolysis of NaBH4. Ceramics International, 2015, 41, 899-905.	4.8	56
21	Light metal borohydrides/amides combined hydrogen storage systems: composition, structure and properties. Journal of Materials Chemistry A, 2017, 5, 25112-25130.	10.3	55
22	Encapsulation of hollow Cu2O nanocubes with Co3O4 on porous carbon for energy-storage devices. Journal of Materials Science and Technology, 2020, 55, 182-189.	10.7	55
23	Polypyrrole-wrapped NiCo2S4 nanoneedles as an electrode material for supercapacitor applications. Ceramics International, 2021, 47, 16562-16569.	4.8	55
24	Stepwise Phase Transition in the Formation of Lithium Amidoborane. Inorganic Chemistry, 2010, 49, 4319-4323.	4.0	51
25	Hydrogen De/Resorption Properties of the LiBH₄â^'MgH₂â^'Al System. Journal of Physical Chemistry C, 2009, 113, 21964-21969.	3.1	50
26	Nitrogen-doped porous carbon derived from ginkgo leaves with remarkable supercapacitance performance. Diamond and Related Materials, 2019, 98, 107475.	3.9	49
27	Ruthenium supported on nitrogen-doped porous carbon for catalytic hydrogen generation from NH3BH3 hydrolysis. International Journal of Hydrogen Energy, 2019, 44, 1774-1781.	7.1	47
28	Multielement Synergetic Effect of Boron Nitride and Multiwalled Carbon Nanotubes for the Fabrication of Novel Shape-Stabilized Phase-Change Composites with Enhanced Thermal Conductivity. ACS Applied Materials & Interfaces, 2020, 12, 41398-41409.	8.0	47
29	NaTi₂(PO₄)₃Nanoparticles Embedded in Carbon Matrix as Long-Lived Anode for Aqueous Lithium Ion Battery. Journal of the Electrochemical Society, 2016, 163, A1388-A1393.	2.9	43
30	High-performance supercapacitor based on V2O5/carbon nanotubes-super activated carbon ternary composite. Ceramics International, 2016, 42, 12129-12135.	4.8	42
31	Solvothermal synthesis of cobalt nickel layered double hydroxides with a three-dimensional nano-petal structure for high-performance supercapacitors. Sustainable Energy and Fuels, 2020, 4, 337-346.	4.9	42
32	Cobaltâ€“boron/nickelâ€“boron nanocomposite with improved catalytic performance for the hydrolysis of ammonia borane. International Journal of Hydrogen Energy, 2015, 40, 13423-13430.	7.1	41
33	Growth of Crystalline Polyaminoborane through Catalytic Dehydrogenation of Ammonia Borane on FeB Nanoalloy. Chemistry - A European Journal, 2010, 16, 12814-12817.	3.3	40
34	N-Doped carbon supported Co₃O₄nanoparticles as an advanced electrocatalyst for the oxygen reduction reaction in Alâ€“air batteries. RSC Advances, 2016, 6, 55552-55559.	3.6	36
35	Enhanced hydrogen desorption from the Co-catalyzed LiBH4â€“Mg(BH4)2 eutectic composite. International Journal of Hydrogen Energy, 2012, 37, 12425-12431.	7.1	35
36	Synthesis of N-doped hierarchical carbon spheres for CO₂ capture and supercapacitors. RSC Advances, 2016, 6, 1422-1427.	3.6	35

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37	Facile synthesis of hierarchical Coâ€“Moâ€“Oâ€“S porous microspheres for high-performance supercapacitors. Ceramics International, 2020, 46, 1448-1456.	4.8	35
38	Hydrogen Storage Properties of Ca(BH₄)₂â€“LiNH₂ System. Chemistry - an Asian Journal, 2010, 5, 1594-1599.	3.3	34
39	Mechanism of fast hydrogen generation from pure water using Alâ€“SnCl2 and bi-doped Alâ€“SnCl2 composites. International Journal of Hydrogen Energy, 2014, 39, 5514-5521.	7.1	34
40	Pd-doped TiO2@polypyrrole core-shell composites as hydrogen-sensing materials. Ceramics International, 2016, 42, 8257-8262.	4.8	33
41	Improved dehydrogenation properties of Ca(BH4)2-LiNH2 combined system. Dalton Transactions, 2010, 39, 10585.	3.3	32
42	Biomassâ€Derived Porous Carbon Prepared from Egg White for Highâ€performance Supercapacitor Electrode Materials. ChemistrySelect, 2019, 4, 7358-7365.	1.5	32
43	A novel Al BiOCl composite for hydrogen generation from water. International Journal of Hydrogen Energy, 2019, 44, 6655-6662.	7.1	32
44	Preparation and thermophysical properties of a novel form-stable CaCl2Â·6H2O/sepiolite composite phase change material for latent heat storage. Journal of Thermal Analysis and Calorimetry, 2018, 131, 57-63.	3.6	31
45	Development of Nb-Ti-Co alloy for high-performance hydrogen separating membrane. Journal of Membrane Science, 2018, 565, 411-424.	8.2	31
46	Facile synthesis of NiCo₂O₄-anchored reduced graphene oxide nanocomposites as efficient additives for improving the dehydrogenation behavior of lithium alanate. Inorganic Chemistry Frontiers, 2020, 7, 1257-1272.	6.0	31
47	Electrospinning fabricated novel poly (ethylene glycol)/graphene oxide composite phase-change nano-fibers with good shape stability for thermal regulation. Journal of Energy Storage, 2021, 40, 102687.	8.1	31
48	Hydrogen storage properties of Liâ€“Caâ€“Nâ€“H system with different molar ratios of LiNH2/CaH2. International Journal of Hydrogen Energy, 2010, 35, 8317-8321.	7.1	30
49	Co3O4-doped two-dimensional carbon nanosheet as an electrode material for high-performance asymmetric supercapacitors. Electrochimica Acta, 2020, 335, 135611.	5.2	29
50	Hydrogen generation of a novel Al NaMgH3 composite reaction with water. International Journal of Hydrogen Energy, 2017, 42, 30535-30542.	7.1	28
51	Two dimensional holey carbon nanosheets assisted by calcium acetate for high performance supercapacitor. Electrochimica Acta, 2018, 283, 904-913.	5.2	28
52	Facile synthesis of honeycomb-structured Coâ€“Wâ€“B composite for high-performance supercapacitors. Applied Surface Science, 2018, 460, 25-32.	6.1	27
53	Poly(N-vinyl-2-pyrrolidone)-stabilized ruthenium supported on bamboo leaf-derived porous carbon for NH3BH3 hydrolysis. International Journal of Hydrogen Energy, 2019, 44, 29255-29262.	7.1	26
54	Improved Dehydrogenation Properties of Calcium Borohydride Combined with Alkaline-Earth Metal Amides. Journal of Physical Chemistry C, 2011, 115, 18035-18041.	3.1	25

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55	Rambutanâ€like hierarchically porous carbon microsphere as electrode material for highâ€performance supercapacitors. , 2021, 3, 361-374.		25
56	Electrochemical impedance study of discharge characteristics of Pd substituted MgNi-based hydrogen storage electrode alloys. Journal of Alloys and Compounds, 2009, 481, 826-829.	5.5	24
57	Ternary Coâ€“Niâ€“B amorphous alloy with a superior electrochemical performance in a wide temperature range. International Journal of Hydrogen Energy, 2016, 41, 3955-3960.	7.1	24
58	Engineering asymmetric Fe coordination centers with hydroxyl adsorption for efficient and durable oxygen reduction catalysis. Applied Catalysis B: Environmental, 2022, 316, 121607.	20.2	23
59	Thermochemical studies of Rhodamine B and Rhodamine 6G by modulated differential scanning calorimetry and thermogravimetric analysis. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1611-1618.	3.6	22
60	Nitrogen-doped porous microsphere carbons derived from glucose and aminourea for high-performance supercapacitors. Catalysis Today, 2018, 318, 150-156.	4.4	21
61	Nitrogen-rich sandwich-like carbon nanosheets as anodes with superior lithium storage properties. Inorganic Chemistry Frontiers, 2018, 5, 225-232.	6.0	21
62	Catalytic Hydrogen Evolution of NaBH4 Hydrolysis by Cobalt Nanoparticles Supported on Bagasse-Derived Porous Carbon. Nanomaterials, 2021, 11, 3259.	4.1	21
63	Catalytic effect of highly dispersed ultrafine Ru nanoparticles on a TiO2-Ti3C2 support: Hydrolysis of sodium borohydride for H2 generation. Journal of Alloys and Compounds, 2022, 906, 164380.	5.5	21
64	Nitrogen-doped carbon encapsulated Ru-decorated Co2P supported on graphene oxide as efficient catalysts for hydrogen generation from ammonia borane. Journal of Alloys and Compounds, 2022, 921, 166207.	5.5	21
65	Cobalt-Nickel-Boron Supported over Polypyrrole-Derived Activated Carbon for Hydrolysis of Ammonia Borane. Metals, 2016, 6, 154.	2.3	20
66	Enhanced hydrogen storage properties of 2LiNH2/MgH2 through the addition of Mg(BH4)2. Journal of Alloys and Compounds, 2017, 704, 44-50.	5.5	20
67	Self-assembly synthesis of nitrogen-doped mesoporous carbons used as high-performance electrode materials in lithium-ion batteries and supercapacitors. New Journal of Chemistry, 2017, 41, 12901-12909.	2.8	19
68	Quasi in situ MÃ¶ssbauer and XAS studies on FeB nanoalloy for heterogeneous catalytic dehydrogenation of ammonia borane. Catalysis Today, 2011, 170, 69-75.	4.4	18
69	Three-Dimensional MnCo2O4.5Mesoporous Networks as an Electrocatalyst for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2015, 162, A2302-A2307.	2.9	18
70	Effects of the Preparation Solvent on the Catalytic Properties of Cobaltâ€“Boron Alloy for the Hydrolysis of Alkaline Sodium Borohydride. Metals, 2017, 7, 365.	2.3	18
71	Improved performance of hydrogen generation for Alâ€“Bi-CNTs composite by spark plasma sintering. Journal of Alloys and Compounds, 2021, 860, 157925.	5.5	17
72	Ruthenium Supported on Cobaltâ€Embedded Porous Carbon with Hollow Structure as Efficient Catalysts toward Ammoniaâ€Borane Hydrolysis for Hydrogen Production. Advanced Sustainable Systems, 2021, 5, 2100209.	5.3	17

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73	Hydrogen generation from ammonia borane hydrolysis catalyzed by ruthenium nanoparticles supported on Coâ€“Ni layered double oxides. Sustainable Energy and Fuels, 2021, 5, 2301-2312.	4.9	17
74	Design and characterizations of novel Nb-ZrCo hydrogen permeation alloys for hydrogen separation applications. Materials Chemistry and Physics, 2018, 212, 282-291.	4.0	16
75	Hydrolytic dehydrogenation of NH₃BH₃ catalyzed by ruthenium nanoparticles supported on magnesiumâ€“aluminum layered double-hydroxides. RSC Advances, 2020, 10, 9996-10005.	3.6	16
76	Biomass Homogeneity Reinforced Carbon Aerogels Derived Functional Phaseâ€Change Materials for Solarâ€“Thermal Energy Conversion and Storage. Energy and Environmental Materials, 2023, 6, .	12.8	16
77	An open superstructure of hydrangea-like carbon with highly accessible Fe-N4 active sites for enhanced oxygen reduction reaction. Chemical Engineering Journal, 2022, 429, 132307.	12.7	16
78	Multielement synergetic effect of NiFe₂O₄and h-BN for improving the dehydrogenation properties of LiAlH₄. Inorganic Chemistry Frontiers, 2021, 8, 3111-3126.	6.0	16
79	Structure, morphology and hydrogen storage properties of composites prepared by ball milling Ti0.9Zr0.2Mn1.5Cr0.3V0.3Ti0.9Zr0.2Mn1.5Cr0.3V0.3 with Laâ€“Mg-based alloy. International Journal of Hydrogen Energy, 2007, 32, 3363-3369.	7.1	15
80	Preparation and thermal performance of n-octadecane/expanded graphite composite phase-change materials for thermal management. Journal of Thermal Analysis and Calorimetry, 2018, 131, 81-88.	3.6	15
81	Fabrication and characterization of a novel nanoporous Coâ€“Niâ€“Wâ€“B catalyst for rapid hydrogen generation. RSC Advances, 2015, 5, 163-166.	3.6	14
82	A mixed-valent Cu^I/Cu^{II}metalâ€“organic framework with selective chemical sensing properties. CrystEngComm, 2016, 18, 8683-8687.	2.6	14
83	Li1.2Mn0.6Ni0.2O2 with 3D porous rod-like hierarchical micro/nanostructure for high-performance cathode material. Journal of Alloys and Compounds, 2019, 790, 863-870.	5.5	14
84	Large-scale synthesis of porous Li3V2(PO4)3@C/AB hollow microspheres with interconnected channel as high performance cathodes for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 774, 879-886.	5.5	14
85	Thermal decompositions and heat capacities study of a co-based zeolitic imidazolate framework. Journal of Thermal Analysis and Calorimetry, 2020, 142, 891-898.	3.6	14
86	Organic carbon gel assisted-synthesis of Li_{1.2}Mn_{0.6}Ni_{0.2}O₂ for a high-performance cathode material for Li-ion batteries. RSC Advances, 2017, 7, 1561-1566.	3.6	13
87	Improved Dehydrogenation Properties of 2LiNH2-MgH2 by Doping with Li3AlH6. Metals, 2017, 7, 34.	2.3	13
88	Enhanced thermal diffusivity and dehydrogenation of 2LiNH2MgH2 by doping with super activated carbon. International Journal of Hydrogen Energy, 2018, 43, 13975-13980.	7.1	13
89	Structure and electrochemical properties of composite electrodes synthesized by mechanical milling Ni-free TiMn2-based alloy with La-based alloys. Journal of Alloys and Compounds, 2007, 446-447, 614-619.	5.5	12
90	Electrochemical performances of cobalt-free La0.7Mg0.3Ni3.5â^'x(MnAl2)x (x=0â€“0.20) hydrogen storage alloy electrodes. Journal of Alloys and Compounds, 2008, 457, 90-96.	5.5	12

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91	Improvement on Hydrogen Desorption Performance of Calcium Borohydride Diammoniate Doped with Transition Metal Chlorides. Journal of Physical Chemistry C, 2015, 119, 913-918.	3.1	12
92	Enhancement of the electrochemical properties of rare earth-based alloy by doping with CoZnB alloy. International Journal of Hydrogen Energy, 2015, 40, 14173-14178.	7.1	12
93	Multiphase Nbâ€“TiCo alloys: The significant impact of surface corrosion on the structural stability and hydrogen permeation behaviour. International Journal of Hydrogen Energy, 2019, 44, 16684-16697.	7.1	12
94	Metathesis of alkali-metal amidoborane and FeCl3 in THF. Journal of Materials Chemistry, 2012, 22, 7478.	6.7	11
95	Enhancement of the initial hydrogenation of Mg by ball milling with alkali metal amides MNH2(M = Li) Tj ETQq1 1 0.784314 rgBT /Overl	3.3	11
96	A modified â€˜skeleton/skinâ€™ strategy for designing CoNiP nanosheets arrayed on graphene foam for on/off switching of NaBH₄ hydrolysis. RSC Advances, 2020, 10, 26834-26842.	3.6	11
97	Construction of double cross-linking PEG/h-BN@GO polymeric energy-storage composites with high structural stability and excellent thermal performances. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 638, 128193.	4.7	11
98	Study of adsorption behaviors of meso-tetrakis (4-N-Methylpyridyl) porphine p-Toluenesulfonate at indiumâ€“tin-oxide electrode/solution interface by in-situ internal reflection spectroscopy and cyclic voltammetry. Thin Solid Films, 2009, 517, 2905-2911.	1.8	10
99	Influence of Zr Addition on Structure and Performance of Rare Earth Mg-Based Alloys as Anodes in Ni/MH Battery. Metals, 2015, 5, 565-577.	2.3	10
100	Design of hydrogen separatinwg Nb-Ti-Fe membranes with high permeability and low cost. Separation and Purification Technology, 2021, 257, 117945.	7.9	10
101	Organic Crosslinked Polymer-Derived N/O-Doped Porous Carbons for High-Performance Supercapacitor. Nanomaterials, 2022, 12, 2186.	4.1	10
102	Influence of boron introduction on structure and electrochemical hydrogen storage properties of Tiâ€“V-based alloys. Journal of Alloys and Compounds, 2015, 648, 320-325.	5.5	9
103	Growth of copperâ€“benzene-1,3,5-tricarboxylate on boron nitride nanotubes and application of the composite in methane sensing. Applied Surface Science, 2017, 424, 39-44.	6.1	9
104	Guanine-Derived Nitrogen-Doped Ordered Mesoporous Carbons for Lithium-Ion Battery Anodes. ChemistrySelect, 2017, 2, 10076-10081.	1.5	9
105	Improved hydrogen desorption properties of Li-Ca-B-N-H system catalyzed by cobalt containing species. Journal of Renewable and Sustainable Energy, 2014, 6, 013105.	2.0	8
106	Changes in microstructures and hydrogen permeability of Nb30Hf35Co35 eutectic alloy membranes by annealing. International Journal of Hydrogen Energy, 2016, 41, 1401-1407.	7.1	8
107	Improved hydrogen desorption properties of Co-doped Li2BNH6. Science Bulletin, 2011, 56, 2481-2485.	1.7	7
108	Significantly enhanced dehydrogenation properties of calcium borohydride combined with urea. Dalton Transactions, 2014, 43, 15291-15294.	3.3	7

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109	Honeycomb-like Fe/Fe₃C-doped porous carbon with more Feâ€“N_x active sites for promoting the electrocatalytic activity of oxygen reduction. Sustainable Energy and Fuels, 2021, 5, 5295-5304.	4.9	7
110	Lithium borohydrideâ€“melamine complex as a promising material for chemical hydrogen storage. Journal of Alloys and Compounds, 2013, 552, 98-101.	5.5	6
111	The Co-B Amorphous Alloy: A High Capacity Anode Material for an Alkaline Rechargeable Battery. Metals, 2016, 6, 269.	2.3	6
112	Nb35Hf32.5Co32.5 dual-phase alloy: Hydrogen permeability degradation due to the microstructural changes caused by annealing. International Journal of Hydrogen Energy, 2021, 46, 15609-15623.	7.1	6
113	A novel Nb-based hydrogen purification membrane without catalytic palladium overlayer. Journal of Alloys and Compounds, 2021, 875, 160103.	5.5	6
114	Enhancement of the electrochemical performance of CoB amorphous alloy through the addition of A2B7-type alloy. International Journal of Hydrogen Energy, 2016, 41, 16142-16147.	7.1	5
115	Microencapsulation of phase change materials with carbon nanotubes reinforced shell for enhancement of thermal conductivity. IOP Conference Series: Materials Science and Engineering, 2017, 182, 012015.	0.6	5
116	A facile one-pot method to prepare nitrogen and fluorine co-doped three-dimensional graphene-like materials for supercapacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 19505-19512.	2.2	5
117	Wire-sheet assembly construction of boron nitride/single-walled carbon nanotube shape-stabilized phase change composites for light-thermal energy conversion and storage. Journal of Energy Storage, 2022, 47, 103914.	8.1	5
118	Improved Dehydrogenation Performance of Li-B-N-H by Doped NiO. Metals, 2018, 8, 258.	2.3	3
119	In Situ Synthesis of Ruthenium Supported on Ginkgo Leaf-Derived Porous Carbon for H2 Generation from NH3BH3 Hydrolysis. Recent Patents on Materials Science, 2019, 11, 65-70.	0.5	3
120	Feâ€Coâ€Ni/Nitrogenâ€Doped Mesoporous Carbon Materials for Electrochemical Oxygen Reduction. ChemistrySelect, 2018, 3, 12960-12966.	1.5	2
121	Design of Nb-Ti-Fe hydrogen permeable alloys based on the ductile-to-brittle transition-hydrogen concentration region. Journal of Alloys and Compounds, 2022, 901, 163615.	5.5	2
122	Superior performance for lithium storage from an integrated composite anode consisting of SiO-based active material and current collector. Frontiers of Materials Science, 2020, 14, 243-254.	2.2	1
123	De-hybridization effect of transition metal catalysts on AlH4-based hydrogen storage materials. Physica B: Condensed Matter, 2021, 623, 413343.	2.7	1
124	Nb-TiCo multiphase alloys: The significant impact of Ti/Co ratio on solidification path, microstructure and hydrogen permeability. Materials Today Communications, 2020, 25, 101660.	1.9	1
125	Evolution of Unidirectional Solidification Microstructure and Hydrogenated Treatment of Nb-Ti-Co Quasiperitectic Alloys. Journal of Physics: Conference Series, 2021, 2079, 012013.	0.4	1
126	Quaternary Nb-Hf-Co-Fe alloy with superior hydrogen permeation properties over a wide temperature range. Journal of Alloys and Compounds, 2022, 912, 165232.	5.5	1

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127	Metal Amidoboranes and Their Derivatives for Hydrogen Storage. , 0, , .		0
128	Li1.2Mn0.6Ni0.2O2 Cathode Material Prepared by the Ultrasonic Dispersionassisted Method. Current Mechanics and Advanced Materials, 2021, 1, 58-65.	0.1	0
129	The influence of surface corrosion on microstructure and hydrogen permeability of Nb-Hf-Co dual-phase alloys. Materials Today Communications, 2021, , 102951.	1.9	0