

Hailiang Chu

List of Publications by Year in descending order

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papers

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117625

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citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass Homogeneity Reinforced Carbon Aerogels Derived Functional Phase-Change Materials for Solar-Thermal Energy Conversion and Storage. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	16
2	An open superstructure of hydrangea-like carbon with highly accessible Fe-N ₄ active sites for enhanced oxygen reduction reaction. <i>Chemical Engineering Journal</i> , 2022, 429, 132307.	12.7	16
3	Wire-sheet assembly construction of boron nitride/single-walled carbon nanotube shape-stabilized phase change composites for light-thermal energy conversion and storage. <i>Journal of Energy Storage</i> , 2022, 47, 103914.	8.1	5
4	Design of Nb-Ti-Fe hydrogen permeable alloys based on the ductile-to-brittle transition-hydrogen concentration region. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163615.	5.5	2
5	Construction of double cross-linking PEG/h-BN@GO polymeric energy-storage composites with high structural stability and excellent thermal performances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 638, 128193.	4.7	11
6	Catalytic effect of highly dispersed ultrafine Ru nanoparticles on a TiO ₂ -Ti ₃ C ₂ support: Hydrolysis of sodium borohydride for H ₂ generation. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164380.	5.5	21
7	Quaternary Nb-Hf-Co-Fe alloy with superior hydrogen permeation properties over a wide temperature range. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165232.	5.5	1
8	Engineering asymmetric Fe coordination centers with hydroxyl adsorption for efficient and durable oxygen reduction catalysis. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121607.	20.2	23
9	Organic Crosslinked Polymer-Derived N/O-Doped Porous Carbons for High-Performance Supercapacitor. <i>Nanomaterials</i> , 2022, 12, 2186.	4.1	10
10	Nitrogen-doped carbon encapsulated Ru-decorated Co ₂ P supported on graphene oxide as efficient catalysts for hydrogen generation from ammonia borane. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166207.	5.5	21
11	Rambutan-like hierarchically porous carbon microsphere as electrode material for high-performance supercapacitors. , 2021, 3, 361-374.		25
12	Improved performance of hydrogen generation for Al-Bi-CNTs composite by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2021, 860, 157925.	5.5	17
13	Design of hydrogen separatinwg Nb-Ti-Fe membranes with high permeability and low cost. <i>Separation and Purification Technology</i> , 2021, 257, 117945.	7.9	10
14	Li _{1.2} Mn _{0.6} Ni _{0.2} O ₂ Cathode Material Prepared by the Ultrasonic Dispersionassisted Method. <i>Current Mechanics and Advanced Materials</i> , 2021, 1, 58-65.	0.1	0
15	Nb ₃₅ Hf _{32.5} Co _{32.5} dual-phase alloy: Hydrogen permeability degradation due to the microstructural changes caused by annealing. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 15609-15623.	7.1	6
16	A Versatile Approach to Boost Oxygen Reduction of Fe ₄ Sites by Controllably Incorporating Sulfur Functionality. <i>Advanced Functional Materials</i> , 2021, 31, 2100833.	14.9	85
17	Three-Dimensional Self-Supporting Ti ₃ C ₂ with MoS ₂ and Cu ₂ O Nanocrystals for High-Performance Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22664-22675.	8.0	107
18	Polypyrrole-wrapped NiCo ₂ S ₄ nanoneedles as an electrode material for supercapacitor applications. <i>Ceramics International</i> , 2021, 47, 16562-16569.	4.8	55

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19	Electrospinning fabricated novel poly (ethylene glycol)/graphene oxide composite phase-change nano-fibers with good shape stability for thermal regulation. <i>Journal of Energy Storage</i> , 2021, 40, 102687.	8.1	31
20	Ruthenium Supported on Cobalt Embedded Porous Carbon with Hollow Structure as Efficient Catalysts toward Ammonia Borane Hydrolysis for Hydrogen Production. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100209.	5.3	17
21	A novel Nb-based hydrogen purification membrane without catalytic palladium overlayer. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160103.	5.5	6
22	De-hybridization effect of transition metal catalysts on AlH ₄ -based hydrogen storage materials. <i>Physica B: Condensed Matter</i> , 2021, 623, 413343.	2.7	1
23	Honeycomb-like Fe/Fe ₃ C-doped porous carbon with more Fe active sites for promoting the electrocatalytic activity of oxygen reduction. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5295-5304.	4.9	7
24	Multielement synergetic effect of NiFe ₂ O ₄ and h-BN for improving the dehydrogenation properties of LiAlH ₄ . <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3111-3126.	6.0	16
25	Hydrogen generation from ammonia borane hydrolysis catalyzed by ruthenium nanoparticles supported on Co-Ni layered double oxides. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2301-2312.	4.9	17
26	The influence of surface corrosion on microstructure and hydrogen permeability of Nb-Hf-Co dual-phase alloys. <i>Materials Today Communications</i> , 2021, , 102951.	1.9	0
27	Evolution of Unidirectional Solidification Microstructure and Hydrogenated Treatment of Nb-Ti-Co Quasiperitectic Alloys. <i>Journal of Physics: Conference Series</i> , 2021, 2079, 012013.	0.4	1
28	Catalytic Hydrogen Evolution of NaBH ₄ Hydrolysis by Cobalt Nanoparticles Supported on Bagasse-Derived Porous Carbon. <i>Nanomaterials</i> , 2021, 11, 3259.	4.1	21
29	Binary Co-Ni oxide nanoparticle-loaded hierarchical graphitic porous carbon for high-performance supercapacitors. <i>Journal of Materials Science and Technology</i> , 2020, 37, 135-142.	10.7	140
30	Facile synthesis of hierarchical Co-Mo-S porous microspheres for high-performance supercapacitors. <i>Ceramics International</i> , 2020, 46, 1448-1456.	4.8	35
31	Spacing graphene and Ni-Co layered double hydroxides with polypyrrole for high-performance supercapacitors. <i>Journal of Materials Science and Technology</i> , 2020, 55, 190-197.	10.7	79
32	Solvothermal synthesis of cobalt nickel layered double hydroxides with a three-dimensional nano-petal structure for high-performance supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 337-346.	4.9	42
33	Co ₃ O ₄ -doped two-dimensional carbon nanosheet as an electrode material for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2020, 335, 135611.	5.2	29
34	A modified "skeleton/skin" strategy for designing CoNiP nanosheets arrayed on graphene foam for on/off switching of NaBH ₄ hydrolysis. <i>RSC Advances</i> , 2020, 10, 26834-26842.	3.6	11
35	Multielement Synergetic Effect of Boron Nitride and Multiwalled Carbon Nanotubes for the Fabrication of Novel Shape-Stabilized Phase-Change Composites with Enhanced Thermal Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41398-41409.	8.0	47
36	Hydrolytic dehydrogenation of NH ₃ BH ₃ catalyzed by ruthenium nanoparticles supported on magnesium-aluminum layered double-hydroxides. <i>RSC Advances</i> , 2020, 10, 9996-10005.	3.6	16

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37	Superior performance for lithium storage from an integrated composite anode consisting of SiO ₂ -based active material and current collector. <i>Frontiers of Materials Science</i> , 2020, 14, 243-254.	2.2	1
38	Thermal decompositions and heat capacities study of a co-based zeolitic imidazolate framework. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 891-898.	3.6	14
39	Encapsulation of hollow Cu ₂ O nanocubes with Co ₃ O ₄ on porous carbon for energy-storage devices. <i>Journal of Materials Science and Technology</i> , 2020, 55, 182-189.	10.7	55
40	Facile synthesis of NiCo ₂ O ₄ -anchored reduced graphene oxide nanocomposites as efficient additives for improving the dehydrogenation behavior of lithium alanate. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1257-1272.	6.0	31
41	Nb-TiCo multiphase alloys: The significant impact of Ti/Co ratio on solidification path, microstructure and hydrogen permeability. <i>Materials Today Communications</i> , 2020, 25, 101660.	1.9	1
42	Nitrogen-doped porous carbon derived from ginkgo leaves with remarkable supercapacitance performance. <i>Diamond and Related Materials</i> , 2019, 98, 107475.	3.9	49
43	Multiphase Nb-TiCo alloys: The significant impact of surface corrosion on the structural stability and hydrogen permeation behaviour. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16684-16697.	7.1	12
44	A facile one-pot method to prepare nitrogen and fluorine co-doped three-dimensional graphene-like materials for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19505-19512.	2.2	5
45	Poly(N-vinyl-2-pyrrolidone)-stabilized ruthenium supported on bamboo leaf-derived porous carbon for NH ₃ BH ₃ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 29255-29262.	7.1	26
46	Biomass-Derived Porous Carbon Prepared from Egg White for High-performance Supercapacitor Electrode Materials. <i>ChemistrySelect</i> , 2019, 4, 7358-7365.	1.5	32
47	Li _{1.2} Mn _{0.6} Ni _{0.2} O ₂ with 3D porous rod-like hierarchical micro/nanostructure for high-performance cathode material. <i>Journal of Alloys and Compounds</i> , 2019, 790, 863-870.	5.5	14
48	Polydopamine-assisted formation of Co ₃ O ₄ -nanocube-anchored reduced graphene oxide composite for high-performance supercapacitors. <i>Ceramics International</i> , 2019, 45, 13894-13902.	4.8	74
49	A novel Al BiOCl composite for hydrogen generation from water. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6655-6662.	7.1	32
50	Ruthenium supported on nitrogen-doped porous carbon for catalytic hydrogen generation from NH ₃ BH ₃ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1774-1781.	7.1	47
51	Large-scale synthesis of porous Li ₃ V ₂ (PO ₄) ₃ @C/AB hollow microspheres with interconnected channel as high performance cathodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 774, 879-886.	5.5	14
52	Graphene-oxide-induced lamellar structures used to fabricate novel composite solid-solid phase change materials for thermal energy storage. <i>Chemical Engineering Journal</i> , 2019, 362, 909-920.	12.7	94
53	In Situ Synthesis of Ruthenium Supported on Ginkgo Leaf-Derived Porous Carbon for H ₂ Generation from NH ₃ BH ₃ Hydrolysis. <i>Recent Patents on Materials Science</i> , 2019, 11, 65-70.	0.5	3
54	Chitosan-mediated Co-Ce-B nanoparticles for catalyzing the hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4912-4921.	7.1	72

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55	Nitrogen-doped porous microsphere carbons derived from glucose and aminourea for high-performance supercapacitors. <i>Catalysis Today</i> , 2018, 318, 150-156.	4.4	21
56	Broccoli-like porous carbon nitride from ZIF-8 and melamine for high performance supercapacitors. <i>Applied Surface Science</i> , 2018, 440, 47-54.	6.1	105
57	Simple synthesis of core-shell structure of Co@Co ₃ O ₄ @ carbon-nanotube-incorporated nitrogen-doped carbon for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 261, 537-547.	5.2	176
58	Facile synthesis of honeycomb-structured Co@W@B composite for high-performance supercapacitors. <i>Applied Surface Science</i> , 2018, 460, 25-32.	6.1	27
59	Design and characterizations of novel Nb-ZrCo hydrogen permeation alloys for hydrogen separation applications. <i>Materials Chemistry and Physics</i> , 2018, 212, 282-291.	4.0	16
60	Preparation and thermophysical properties of a novel form-stable CaCl ₂ ·6H ₂ O/sepiolite composite phase change material for latent heat storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 57-63.	3.6	31
61	Preparation and thermal performance of n-octadecane/expanded graphite composite phase-change materials for thermal management. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 81-88.	3.6	15
62	Enhanced thermal diffusivity and dehydrogenation of 2LiNH ₂ MgH ₂ by doping with super activated carbon. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13975-13980.	7.1	13
63	Nitrogen-rich sandwich-like carbon nanosheets as anodes with superior lithium storage properties. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 225-232.	6.0	21
64	Fe@Co@Ni/Nitrogen-Doped Mesoporous Carbon Materials for Electrochemical Oxygen Reduction. <i>ChemistrySelect</i> , 2018, 3, 12960-12966.	1.5	2
65	Development of Nb-Ti-Co alloy for high-performance hydrogen separating membrane. <i>Journal of Membrane Science</i> , 2018, 565, 411-424.	8.2	31
66	Improved Dehydrogenation Performance of Li-B-N-H by Doped NiO. <i>Metals</i> , 2018, 8, 258.	2.3	3
67	Two dimensional holey carbon nanosheets assisted by calcium acetate for high performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 283, 904-913.	5.2	28
68	Organic carbon gel assisted-synthesis of Li _{1.2} Mn _{0.6} Ni _{0.2} O ₂ for a high-performance cathode material for Li-ion batteries. <i>RSC Advances</i> , 2017, 7, 1561-1566.	3.6	13
69	Growth of copper@benzene-1,3,5-tricarboxylate on boron nitride nanotubes and application of the composite in methane sensing. <i>Applied Surface Science</i> , 2017, 424, 39-44.	6.1	9
70	Enhanced hydrogen storage properties of 2LiNH ₂ /MgH ₂ through the addition of Mg(BH ₄) ₂ . <i>Journal of Alloys and Compounds</i> , 2017, 704, 44-50.	5.5	20
71	Simple synthesis of graphene-doped flower-like cobalt@nickel@tungsten@boron oxides with self-oxidation for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9907-9916.	10.3	122
72	Microencapsulation of phase change materials with carbon nanotubes reinforced shell for enhancement of thermal conductivity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 182, 012015.	0.6	5

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73	Guanine-Derived Nitrogen-Doped Ordered Mesoporous Carbons for Lithium-Ion Battery Anodes. <i>ChemistrySelect</i> , 2017, 2, 10076-10081.	1.5	9
74	Self-assembly synthesis of nitrogen-doped mesoporous carbons used as high-performance electrode materials in lithium-ion batteries and supercapacitors. <i>New Journal of Chemistry</i> , 2017, 41, 12901-12909.	2.8	19
75	Hydrogen generation of a novel Al NaMgH ₃ composite reaction with water. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30535-30542.	7.1	28
76	Light metal borohydrides/amides combined hydrogen storage systems: composition, structure and properties. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25112-25130.	10.3	55
77	Synthesis of three-dimensional graphene aerogel encapsulated n-octadecane for enhancing phase-change behavior and thermal conductivity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15191-15199.	10.3	100
78	Improved Dehydrogenation Properties of 2LiNH ₂ -MgH ₂ by Doping with Li ₃ AlH ₆ . <i>Metals</i> , 2017, 7, 34.	2.3	13
79	Effects of the Preparation Solvent on the Catalytic Properties of Cobalt-Boron Alloy for the Hydrolysis of Alkaline Sodium Borohydride. <i>Metals</i> , 2017, 7, 365.	2.3	18
80	Cobalt-Nickel-Boron Supported over Polypyrrole-Derived Activated Carbon for Hydrolysis of Ammonia Borane. <i>Metals</i> , 2016, 6, 154.	2.3	20
81	The Co-B Amorphous Alloy: A High Capacity Anode Material for an Alkaline Rechargeable Battery. <i>Metals</i> , 2016, 6, 269.	2.3	6
82	Enhancement of the electrochemical performance of CoB amorphous alloy through the addition of A2B7-type alloy. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16142-16147.	7.1	5
83	NaTi ₂ (PO ₄) ₃ Nanoparticles Embedded in Carbon Matrix as Long-Lived Anode for Aqueous Lithium Ion Battery. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1388-A1393.	2.9	43
84	High-performance supercapacitor based on V ₂ O ₅ /carbon nanotubes-super activated carbon ternary composite. <i>Ceramics International</i> , 2016, 42, 12129-12135.	4.8	42
85	A mixed-valent Cu ^I /Cu ^{II} metal-organic framework with selective chemical sensing properties. <i>CrystEngComm</i> , 2016, 18, 8683-8687.	2.6	14
86	N-Doped carbon supported Co ₃ O ₄ nanoparticles as an advanced electrocatalyst for the oxygen reduction reaction in Al-air batteries. <i>RSC Advances</i> , 2016, 6, 55552-55559.	3.6	36
87	Ternary Co-Ni-B amorphous alloy with a superior electrochemical performance in a wide temperature range. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 3955-3960.	7.1	24
88	Changes in microstructures and hydrogen permeability of Nb ₃₀ Hf ₃₅ Co ₃₅ eutectic alloy membranes by annealing. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1401-1407.	7.1	8
89	Pd-doped TiO ₂ @polypyrrole core-shell composites as hydrogen-sensing materials. <i>Ceramics International</i> , 2016, 42, 8257-8262.	4.8	33
90	Doping composite of polyaniline and reduced graphene oxide with palladium nanoparticles for room-temperature hydrogen-gas sensing. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5396-5404.	7.1	93

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91	Synthesis of N-doped hierarchical carbon spheres for CO ₂ capture and supercapacitors. RSC Advances, 2016, 6, 1422-1427.	3.6	35
92	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
93	One-pot synthesis of ternary polypyrrole/Prussian-blue/graphene-oxide hybrid composite as electrode material for high-performance supercapacitors. Electrochimica Acta, 2016, 188, 126-134.	5.2	104
94	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
95	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
96	Ammonia sensor based on polypyrrole/graphene nanocomposite decorated with titania nanoparticles. Ceramics International, 2015, 41, 6432-6438.	4.8	106
97	Influence of boron introduction on structure and electrochemical hydrogen storage properties of Ti-V-based alloys. Journal of Alloys and Compounds, 2015, 648, 320-325.	5.5	9
98	Hydrogen generation by hydrolysis of alkaline sodium borohydride using a cobalt/zinc/boron/graphene nanocomposite treated with sodium hydroxide. International Journal of Hydrogen Energy, 2015, 40, 4111-4118.	7.1	60
99	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
100	Three-Dimensional MnCo ₂ O _{4.5} Mesoporous Networks as an Electrocatalyst for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2015, 162, A2302-A2307.	2.9	18
101	Enhancement of the initial hydrogenation of Mg by ball milling with alkali metal amides MNH ₂ (M = Li). International Journal of Hydrogen Energy, 2015, 40, 13423-13430.	3.3	11
102	Cobalt/boron/nickel/boron nanocomposite with improved catalytic performance for the hydrolysis of ammonia borane. International Journal of Hydrogen Energy, 2015, 40, 13423-13430.	7.1	41
103	Fabrication and characterization of a novel nanoporous Co/Ni/W/B catalyst for rapid hydrogen generation. RSC Advances, 2015, 5, 163-166.	3.6	14
104	Highly active nanoporous Co/B/TiO ₂ framework for hydrolysis of NaBH ₄ . Ceramics International, 2015, 41, 899-905.	4.8	56
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	Mechanism of fast hydrogen generation from pure water using Al/SnCl ₂ and bi-doped Al/SnCl ₂ composites. International Journal of Hydrogen Energy, 2014, 39, 5514-5521.	7.1	34
107	Significantly enhanced dehydrogenation properties of calcium borohydride combined with urea. Dalton Transactions, 2014, 43, 15291-15294.	3.3	7
108	A room-temperature hydrogen sensor based on Pd nanoparticles doped TiO ₂ nanotubes. Ceramics International, 2014, 40, 16343-16348.	4.8	89

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109	Lithium borohydride-melamine complex as a promising material for chemical hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2013, 552, 98-101.	5.5	6
110	Metathesis of alkali-metal amidoborane and FeCl ₃ in THF. <i>Journal of Materials Chemistry</i> , 2012, 22, 7478.	6.7	11
111	Enhanced hydrogen desorption from the Co-catalyzed LiBH ₄ -Mg(BH ₄) ₂ eutectic composite. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12425-12431.	7.1	35
112	Improved Dehydrogenation Properties of Calcium Borohydride Combined with Alkaline-Earth Metal Amides. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18035-18041.	3.1	25
113	Improved hydrogen desorption properties of Co-doped Li ₂ BNH ₆ . <i>Science Bulletin</i> , 2011, 56, 2481-2485.	1.7	7
114	Quasi in situ Mössbauer and XAS studies on FeB nanoalloy for heterogeneous catalytic dehydrogenation of ammonia borane. <i>Catalysis Today</i> , 2011, 170, 69-75.	4.4	18
115	Hydrogen Storage Properties of Ca(BH ₄) ₂ -LiNH ₂ System. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1594-1599.	3.3	34
116	Growth of Crystalline Polyaminoborane through Catalytic Dehydrogenation of Ammonia Borane on FeB Nanoalloy. <i>Chemistry - A European Journal</i> , 2010, 16, 12814-12817.	3.3	40
117	Hydrogen storage properties of Li-Ca-N-H system with different molar ratios of LiNH ₂ /CaH ₂ . <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8317-8321.	7.1	30
118	Structure and Hydrogen Storage Properties of Calcium Borohydride Diammoniate. <i>Chemistry of Materials</i> , 2010, 22, 6021-6028.	6.7	91
119	Stepwise Phase Transition in the Formation of Lithium Amidoborane. <i>Inorganic Chemistry</i> , 2010, 49, 4319-4323.	4.0	51
120	LiNH ₂ BH ₃ -NH ₃ BH ₃ : Structure and Hydrogen Storage Properties. <i>Chemistry of Materials</i> , 2010, 22, 3-5.	6.7	76
121	Improved dehydrogenation properties of Ca(BH ₄) ₂ -LiNH ₂ combined system. <i>Dalton Transactions</i> , 2010, 39, 10585.	3.3	32
122	Study of adsorption behaviors of meso-tetrakis (4-N-Methylpyridyl) porphine p-Toluenesulfonate at indium-tin-oxide electrode/solution interface by in-situ internal reflection spectroscopy and cyclic voltammetry. <i>Thin Solid Films</i> , 2009, 517, 2905-2911.	1.8	10
123	Hydrogen De/Resorption Properties of the LiBH ₄ -Mg ₂ -Al System. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21964-21969.	3.1	50
124	Nanosized Co- and Ni-Catalyzed Ammonia Borane for Hydrogen Storage. <i>Chemistry of Materials</i> , 2009, 21, 2315-2318.	6.7	156
125	Electrochemical impedance study of discharge characteristics of Pd substituted MgNi-based hydrogen storage electrode alloys. <i>Journal of Alloys and Compounds</i> , 2009, 481, 826-829.	5.5	24
126	Electrochemical performances of cobalt-free La _{0.7} Mg _{0.3} Ni _{3.5} -x(MnAl ₂) _x (x=0-0.20) hydrogen storage alloy electrodes. <i>Journal of Alloys and Compounds</i> , 2008, 457, 90-96.	5.5	12

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127	Structure and electrochemical properties of composite electrodes synthesized by mechanical milling Ni-free TiMn ₂ -based alloy with La-based alloys. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 614-619.	5.5	12
128	Structure, morphology and hydrogen storage properties of composites prepared by ball milling Ti _{0.9} Zr _{0.2} Mn _{1.5} Cr _{0.3} V _{0.3} Ti _{0.9} Zr _{0.2} Mn _{1.5} Cr _{0.3} V _{0.3} with La-Mg-based alloy. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 3363-3369.	7.1	15
129	Metal Amidoboranes and Their Derivatives for Hydrogen Storage. , 0, , .		0