Ping Chen

List of Publications by Year
in descending order

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286	16,430	21215	21843
papers	citations	62	118
		h-index	g-index

312	312	312	13826
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NaH doped TiO2 as a high-performance catalyst for Mg/MgH2 cycling stability and room temperature absorption. Journal of Magnesium and Alloys, 2023, 11, 2740-2749.	5.5	7
2	Ru Nanoparticles on Pr2O3 as an Efficient Catalyst for Hydrogen Production from Ammonia Decomposition. Catalysis Letters, 2022, 152, 1170-1181.	1.4	21
3	Potassium hydride reduced black TiO2â˜'x for boosting the hydrogenation of magnesium at room temperature. Journal of Alloys and Compounds, 2022, 897, 162750.	2.8	6
4	Synergizing Surface Hydride Species and Ru Clusters on Sm₂O₃ for Efficient Ammonia Synthesis. ACS Catalysis, 2022, 12, 2178-2190.	5.5	23
5	De-hydrogenation/Rehydrogenation Properties and Reaction Mechanism of AmZn(NH2)n-2nLiH Systems (A = Li, K, Na, and Rb). Sustainability, 2022, 14, 1672.	1.6	2
6	Defect-rich potassium amide: A new solid-state potassium ion electrolyte. Journal of Energy Chemistry, 2022, 69, 555-560.	7.1	7
7	Room Temperature Hydrogen Absorption of V₂O₅ Catalyzed MgH₂/Mg^{â€»}. Acta Chimica Sinica, 2022, 80, 303.	0.5	6
8	Sensitive detection of glyoxal by cluster-mediated CH2Br2+ chemical ionization time-of-flight mass spectrometry. Analytica Chimica Acta, 2022, 1206, 339612.	2.6	4
9	Bulky nanodiamond-confined synthesis of sub-5 nanometer ordered intermetallic Pd3Pb catalysts. Nano Research, 2022, 15, 4973-4979.	5.8	7
10	Hydrides mediate nitrogen fixation. Cell Reports Physical Science, 2022, 3, 100779.	2.8	13
11	Formation of a Complex Active Center by Ba₂RuH₆ for Nondissociative Dinitrogen Activation and Ammonia Formation. ACS Catalysis, 2022, 12, 4194-4202.	5.5	15
12	A Strategy for Simultaneously Improving Resolution and Sensitivity of Hybrid Quadrupole Ion Trap/Time-of-Flight Mass Spectrometry Using Square Waveform Phase Modulation. Journal of the American Society for Mass Spectrometry, 2022, 33, 322-327.	1.2	2
13	Dinitrogen fixation mediated by lanthanum hydride. Journal of Energy Chemistry, 2022, 72, 1-7.	7.1	4
14	Spectroscopic Characterization of the Synergistic Mechanism of Rutheniumâ€“Lithium Hydrides for Dinitrogen Cleavage. Journal of Physical Chemistry Letters, 2022, 13, 3937-3941.	2.1	2
15	Microwave-assisted reduction of Ti species in MgH2-TiO2 composite and its effect on hydrogen storage. Chemical Engineering Journal, 2022, 450, 138072.	6.6	14
16	A multi-functional composite nitrogen carrier for ammonia production via a chemical looping route. Journal of Materials Chemistry A, 2021, 9, 1039-1047.	5.2	32
17	In situ formed Co from a Coâ€“Mgâ€“O solid solution synergizing with LiH for efficient ammonia synthesis. Chemical Communications, 2021, 57, 8576-8579.	2.2	11
18	Metalâ€“support interaction-modulated catalytic activity of Ru nanoparticles on Sm2O3 for efficient ammonia decomposition. Catalysis Science and Technology, 2021, 11, 2915-2923.	2.1	20

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19	Highly Dispersed Ruthenium Nanoparticles on Y₂O₃ as Superior Catalyst for Ammonia Decomposition. ChemCatChem, 2021, 13, 1552-1558.	1.8	26
20	Lithium Palladium Hydride Promotes Chemical Looping Ammonia Synthesis Mediated by Lithium Imide and Hydride. Journal of Physical Chemistry C, 2021, 125, 6716-6722.	1.5	29
21	Atomically Dispersed Pd Atoms on a Simple MgO Support with an Ultralow Loading for Selective Hydrogenation of Acetylene to Ethylene. Chemistry - an Asian Journal, 2021, 16, 1225-1228.	1.7	5
22	Emerging Materials and Methods toward Ammoniaâ€Based Energy Storage and Conversion. Advanced Materials, 2021, 33, e2005721.	11.1	137
23	High Mass Resolution Multireflection Time-of-Flight Secondary Ion Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2021, 32, 1196-1204.	1.2	9
24	Interplay of Alkali, Transition Metals, Nitrogen, and Hydrogen in Ammonia Synthesis and Decomposition Reactions. Accounts of Chemical Research, 2021, 54, 2434-2444.	7.6	36
25	Developing Ideal Metalorganic Hydrides for Hydrogen Storage: From Theoretical Prediction to Rational Fabrication. , 2021, 3, 1417-1425.		13
26	Methods for nitrogen activation by reduction and oxidation. Nature Reviews Methods Primers, 2021, 1, .	11.8	107
27	The Roles of Alkali/Alkaline Earth Metals in the Materials Design and Development for Hydrogen Storage. Accounts of Materials Research, 2021, 2, 726-738.	5.9	10
28	Regulation of Strong Metalâ€Support Interaction by Alkaline Earth Metal Salts. Chemistry - an Asian Journal, 2021, 16, 2633-2640.	1.7	4
29	Recent Advances of Catalysis in the Hydrogenation and Dehydrogenation of N-Heterocycles for Hydrogen Storage. Journal of Physical Chemistry C, 2021, 125, 18553-18566.	1.5	29
30	Nickel ferrocyanide as a high-performance urea oxidation electrocatalyst. Nature Energy, 2021, 6, 904-912.	19.8	305
31	Barium chromium nitride-hydride for ammonia synthesis. Chem Catalysis, 2021, 1, 1042-1054.	2.9	19
32	The impact of alkali and alkaline earth metals on green ammonia synthesis. CheM, 2021, 7, 3203-3220.	5.8	19
33	Room Temperature Hydrogen Absorption of Mg/MgH₂ Catalyzed by BaTiO₃. Journal of Physical Chemistry C, 2021, 125, 19631-19641.	1.5	16
34	Ammonia history in the making. Nature Catalysis, 2021, 4, 734-735.	16.1	23
35	Photoionization-induced NO+ chemical ionization time-of-flight mass spectrometry for rapid measurement of aldehydes and benzenes in vehicles. Talanta, 2021, 235, 122722.	2.9	1
36	Applications of rare earth oxides in catalytic ammonia synthesis and decomposition. Catalysis Science and Technology, 2021, 11, 6330-6343.	2.1	18

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37	Fabrication of oxygen vacancies through assembling an amorphous titanate overlayer on titanium oxide for a catalytic waterâ€“gas shift reaction. Journal of Materials Chemistry A, 2021, 9, 2784-2791.	5.2	19
38	Nonuniform Electric Field-Enhanced In-Source Declustering in High-Pressure Photoionization/Photoionization-Induced Chemical Ionization Mass Spectrometry for Operando Catalytic Reaction Monitoring. Analytical Chemistry, 2021, 93, 2207-2214.	3.2	11
39	Ru nanoparticles on a Cs-loaded MgO superbase as highly efficient catalysts for ammonia synthesis. Dalton Transactions, 2021, 50, 12074-12078.	1.6	6
40	Can nitrogen-based complex hydrides be a hydrogen isotope separation material?. Chemical Communications, 2021, 57, 10063-10066.	2.2	2
41	Hydrogen storage properties and reaction mechanisms of K2Mn(NH2)4â€“8LiH system. International Journal of Hydrogen Energy, 2021, 46, 40196-40196.	3.8	4
42	Fabrication of More Oxygen Vacancies and Depression of Encapsulation for Superior Catalysis in the Waterâ€“Gas Shift Reaction. Journal of Physical Chemistry Letters, 2021, 12, 10646-10653.	2.1	6
43	Ternary ruthenium complex hydrides for ammonia synthesis via the associative mechanism. Nature Catalysis, 2021, 4, 959-967.	16.1	67
44	Enabling Semihydrogenation of Alkynes to Alkenes by Using a Calcium Palladium Complex Hydride. Journal of the American Chemical Society, 2021, 143, 20891-20897.	6.6	20
45	Metallo-N-Heterocycles - A new family of hydrogen storage material. Energy Storage Materials, 2020, 26, 198-202.	9.5	22
46	Materials for hydrogen-based energy storage â€“ past, recent progress and future outlook. Journal of Alloys and Compounds, 2020, 827, 153548.	2.8	518
47	Effect of BaNH, CaNH, Mg3N2 on the activity of Co in NH3 decomposition catalysis. Journal of Energy Chemistry, 2020, 46, 16-21.	7.1	22
48	High-Temperature Synthesis of Small-Sized Pt/Nb Alloy Catalysts on Carbon Supports for Hydrothermal Reactions. Inorganic Chemistry, 2020, 59, 15953-15961.	1.9	7
49	Thermochemical transformation and reversible performance of Mg(NH2)2â€“NaMgH3 system. International Journal of Hydrogen Energy, 2020, 45, 23069-23075.	3.8	7
50	A library of carbon-supported ultrasmall bimetallic nanoparticles. Nano Research, 2020, 13, 2735-2740.	5.8	18
51	Synthesis of carbon-supported sub-2 nanometer bimetallic catalysts by strong metalâ€“sulfur interaction. Chemical Science, 2020, 11, 7933-7939.	3.7	17
52	The Power of Hydrides. Joule, 2020, 4, 705-709.	11.7	23
53	Direct transformation of dinitrogen: synthesis of N-containing organic compounds via Nâ^'C bond formation. National Science Review, 2020, 7, 1564-1583.	4.6	114
54	Conversion of magnesium waste into a complex magnesium hydride system: Mg(NH₂)₂â€“LiH. Sustainable Energy and Fuels, 2020, 4, 1915-1923.	2.5	16

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55	Sodium anilinideâ€“cyclohexylamide pair: synthesis, characterization, and hydrogen storage properties. Chemical Communications, 2020, 56, 1944-1947.	2.2	7
56	The Crucial Role of Charge Accumulation and Spin Polarization in Activating Carbonâ€Based Catalysts for Electrocatalytic Nitrogen Reduction. Angewandte Chemie, 2020, 132, 4555-4561.	1.6	8
57	The Crucial Role of Charge Accumulation and Spin Polarization in Activating Carbonâ€Based Catalysts for Electrocatalytic Nitrogen Reduction. Angewandte Chemie - International Edition, 2020, 59, 4525-4531.	7.2	149
58	Liberating Active Metals from Reducible Oxide Encapsulation for Superior Hydrogenation Catalysis. ACS Applied Materials & Interfaces, 2020, 12, 7071-7080.	4.0	12
59	Molten salt assisted pyrolysis approach for the synthesis of nitrogen-rich microporous carbon nanosheets and its application as gas capture sorbent. Microporous and Mesoporous Materials, 2020, 300, 110177.	2.2	12
60	A Sulfurâ€Fixing Strategy toward Carbonâ€Supported Ruâ€Based Bimetallic Nanocluster Catalysts. ChemNanoMat, 2020, 6, 969-975.	1.5	8
61	Highly selective and sensitive online measurement of trace exhaled HCN by acetone-assisted negative photoionization time-of-flight mass spectrometry with in-source CID. Analytica Chimica Acta, 2020, 1111, 31-39.	2.6	11
62	Mild-condition synthesis of A2ZnH4 (AÂ=ÂK, Rb, Cs) and their effects on the hydrogen storage properties of 2LiH-Mg(NH2)2. Journal of Energy Chemistry, 2020, 50, 358-364.	7.1	9
63	High performance stainless-steel supported Pd membranes with a finger-like and gap structure and its application in NH3 decomposition membrane reactor. Chemical Engineering Journal, 2020, 388, 124245.	6.6	39
64	Synthesis, Characterization, and Crystal Structure of Lithium Pyrrolide. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	1
65	Advances in the Chemical Looping Ammonia Synthesis. Acta Chimica Sinica, 2020, 78, 916.	0.5	11
66	Kinetic studies of reversible hydrogen storage over sodium phenoxide-cyclohexanolate pair in aqueous solution. Journal of Energy Chemistry, 2019, 39, 244-248.	7.1	4
67	Enhancement Effect of Bimetallic Amide K2Mn(NH2)4 and In-Situ Formed KH and Mn4N on the Dehydrogenation/Hydrogenation Properties of Liâ€“Mgâ€“Nâ€“H System. Energies, 2019, 12, 2779.	1.6	9
68	Complex Hydrides for Energy Storage, Conversion, and Utilization. Advanced Materials, 2019, 31, e1902757.	11.1	130
69	Electrocatalyst Derived from Abundant Biomass and its Excellent Activity for In Situ H₂O₂ Production. ChemElectroChem, 2019, 6, 4877-4884.	1.7	14
70	A sulfur-tethering synthesis strategy toward high-loading atomically dispersed noble metal catalysts. Science Advances, 2019, 5, eaax6322.	4.7	177
71	One minute from pristine carbon to an electrocatalyst for hydrogen peroxide production. Journal of Materials Chemistry A, 2019, 7, 21329-21337.	5.2	53
72	Recent progress towards mild-condition ammonia synthesis. Journal of Energy Chemistry, 2019, 36, 25-36.	7.1	202

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73	Highly Efficient Ru/MgO Catalyst with Surfaceâ€Enriched Basic Sites for Production of Hydrogen from Ammonia Decomposition. ChemCatChem, 2019, 11, 4161-4170.	1.8	63
74	Reversible Hydrogen Uptake/Release over a Sodium Phenoxideâ€“Cyclohexanolate Pair. Angewandte Chemie, 2019, 131, 3134-3139.	1.6	6
75	Ternary amide-hydride system: A study on LiAl(NH2)4-LiAlH4 interaction. Journal of Alloys and Compounds, 2019, 790, 597-601.	2.8	5
76	Hydrides, Amides and Imides Mediated Ammonia Synthesis and Decomposition. Chinese Journal of Chemistry, 2019, 37, 442-451.	2.6	32
77	Thermodynamic Properties of Ammonia Production from Hydrogenation of Alkali and Alkaline Earth Metal Amides. ChemPhysChem, 2019, 20, 1376-1381.	1.0	8
78	RÃ¼cktitelbild: Reversible Hydrogen Uptake/Release over a Sodium Phenoxideâ€“Cyclohexanolate Pair (Angew. Chem. 10/2019). Angewandte Chemie, 2019, 131, 3262-3262.	1.6	0
79	Highly Hydrophilic Carbon Dots' Decoration on NiCo₂O₄ Nanowires for Greatly Increased Electric Conductivity, Supercapacitance, and Energy Density. Advanced Materials Interfaces, 2019, 6, 1900049.	1.9	14
80	Nonlinear Optical Properties of Fewâ€Layer Rhenium Disulfide Nanosheets and Their Passively Qâ€switched Laser Application. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800837.	0.8	15
81	Reversible ammonia-based and liquid organic hydrogen carriers for high-density hydrogen storage: Recent progress. International Journal of Hydrogen Energy, 2019, 44, 7746-7767.	3.8	166
82	Water enables an asymmetric cross reaction of Î±-keto acids with Î±-keto esters for the synthesis of quaternary isotetronic acids. Chemical Communications, 2019, 55, 12813-12816.	2.2	8
83	Reversible Hydrogen Uptake/Release over a Sodium Phenoxideâ€“Cyclohexanolate Pair. Angewandte Chemie - International Edition, 2019, 58, 3102-3107.	7.2	23
84	Recent progress in heterogeneous ammonia synthesis. Chinese Science Bulletin, 2019, 64, 1114-1128.	0.4	10
85	Highly Efficient Carbon Dots with Reversibly Switchable Greenâ€“Red Emissions for Trichromatic White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 16005-16014.	4.0	147
86	Broadband optical limiting and nonlinear optical graphene oxide co-polymerization Ormosil glasses. Advanced Composites and Hybrid Materials, 2018, 1, 397-403.	9.9	8
87	Bioconcentration of organic dyes via fungal hyphae and their derived carbon fibers for supercapacitors. Journal of Materials Chemistry A, 2018, 6, 10710-10717.	5.2	54
88	Molten salt assisted synthesis of microporous polyaniline nanosheets with superior gas sorption properties. Microporous and Mesoporous Materials, 2018, 267, 100-106.	2.2	8
89	Controllable Photoluminescent and Nonlinear Optical Properties of Polymerizable Carbon Dots and Their Arbitrary Copolymerized Gel Glasses. Advanced Optical Materials, 2018, 6, 1701273.	3.6	29
90	Metathesis of Mg₂FeH₆ and LiNH₂ leading to hydrogen production at low temperatures. Physical Chemistry Chemical Physics, 2018, 20, 9833-9837.	1.3	9

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91	Li₂NHâ€LiBH₄: a Complex Hydride with Near Ambient Hydrogen Adsorption and Fast Lithium Ion Conduction. Chemistry - A European Journal, 2018, 24, 1342-1347.	1.7	16
92	Bulk Production of Nonâ€Precious Metal Catalysts with High Surface Area and Excellent Activity in the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 1854-1861.	1.7	6
93	Alkali and Alkaline Earth Hydrides-Driven N₂ Activation and Transformation over Mn Nitride Catalyst. Journal of the American Chemical Society, 2018, 140, 14799-14806.	6.6	81
94	Production of ammonia via a chemical looping process based on metal imides as nitrogen carriers. Nature Energy, 2018, 3, 1067-1075.	19.8	207
95	Across the Board: Ping Chen. ChemSusChem, 2018, 11, 2469-2471.	3.6	10
96	Bayberry tannin immobilized bovine serum albumin nanospheres: characterization, irradiation stability and selective removal of uranyl ions from radioactive wastewater. Journal of Materials Chemistry A, 2018, 6, 15359-15370.	5.2	74
97	Highly efficient carbon dots and their nanohybrids for trichromatic white LEDs. Journal of Materials Chemistry C, 2018, 6, 5957-5963.	2.7	34
98	Microporous Crystalline Î³â€Al₂O₃ Replicated from Microporous Covalent Triazine Framework and Its Application as Support for Catalytic Hydrolysis of Ammonia Borane. Chemistry - an Asian Journal, 2017, 12, 470-475.	1.7	10
99	Room temperature synthesis of reduced TiO₂ and its application as a support for catalytic hydrogenation. RSC Advances, 2017, 7, 4306-4311.	1.7	19
100	Near Ambient Condition Hydrogen Storage in a Synergized Tricomponent Hydride System. Advanced Energy Materials, 2017, 7, 1602456.	10.2	33
101	Effects of doping FeCl 3 on hydrogen storage properties of Li-N-H system. Progress in Natural Science: Materials International, 2017, 27, 139-143.	1.8	13
102	Enantioselective Reactions of 2-Sulfonylalkyl Phenols with Allenic Esters: Dynamic Kinetic Resolution and [4+2] Cycloaddition Involving ortho -Quinone Methide Intermediates. Angewandte Chemie, 2017, 129, 3743-3747.	1.6	25
103	Enantioselective Reactions of 2â€Sulfonylalkyl Phenols with Allenic Esters: Dynamic Kinetic Resolution and [4+2] Cycloaddition Involving orthoâ€Quinone Methide Intermediates. Angewandte Chemie - International Edition, 2017, 56, 3689-3693.	7.2	100
104	The effect of Sr(OH)₂ on the hydrogen storage properties of the Mg(NH₂)₂â€“2LiH system. Physical Chemistry Chemical Physics, 2017, 19, 8457-8464.	1.3	18
105	Effects of Stoichiometry on the H₂â€Storage Properties of Mg(NH₂)₂â€“LiHâ€“LiBH₄ Triâ€Component Systems. Chemistry - an Asian Journal, 2017, 12, 1758-1764.	1.7	12
106	Mesoporous Ru/MgO prepared by a deposition-precipitation method as highly active catalyst for producing COx-free hydrogen from ammonia decomposition. Applied Catalysis B: Environmental, 2017, 211, 167-175.	10.8	143
107	Barium Hydride-Mediated Nitrogen Transfer and Hydrogenation for Ammonia Synthesis: A Case Study of Cobalt. ACS Catalysis, 2017, 7, 3654-3661.	5.5	136
108	Transition and Alkali Metal Complex Ternary Amides for Ammonia Synthesis and Decomposition. Chemistry - A European Journal, 2017, 23, 9766-9771.	1.7	28

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109	The Formation of Surface Lithiumâ€“Iron Ternary Hydride and its Function on Catalytic Ammonia Synthesis at Low Temperatures. Angewandte Chemie, 2017, 129, 8842-8846.	1.6	16
110	The Formation of Surface Lithiumâ€“Iron Ternary Hydride and its Function on Catalytic Ammonia Synthesis at Low Temperatures. Angewandte Chemie - International Edition, 2017, 56, 8716-8720.	7.2	58
111	High color rendering index trichromatic white and red LEDs prepared from silane-functionalized carbon dots. Journal of Materials Chemistry C, 2017, 5, 9629-9637.	2.7	62
112	Atomically Dispersed Pt on the Surface of Ni Particles: Synthesis and Catalytic Function in Hydrogen Generation from Aqueous Ammoniaâ€“Borane. ACS Catalysis, 2017, 7, 6762-6769.	5.5	169
113	Enhanced room-temperature ferromagnetic properties in ultrathin two-dimensional metal-free poly(triazine imide) nanosheets. Carbon, 2017, 124, 486-491.	5.4	5
114	Breaking scaling relations to achieve low-temperature ammonia synthesis through LiH-mediated nitrogen transfer and hydrogenation. Nature Chemistry, 2017, 9, 64-70.	6.6	451
115	Covalent triazine framework supported non-noble metal nanoparticles with superior activity for catalytic hydrolysis of ammonia borane: from mechanistic study to catalyst design. Chemical Science, 2017, 8, 781-788.	3.7	180
116	Influence of alkali metal amides on the catalytic activity of manganese nitride for ammonia decomposition. Catalysis Today, 2017, 286, 141-146.	2.2	23
117	Kinetic alteration of the 6Mg(NH₂)₂â€“9LiHâ€“LiBH₄ system by co-adding YCl₃ and Li₃N. Physical Chemistry Chemical Physics, 2017, 19, 32105-32115.	1.3	10
118	Catalyst: NH3 as an Energy Carrier. CheM, 2017, 3, 709-712.	5.8	361
119	Recent Advances in Transition-Metal-Mediated Electrocatalytic CO2 Reduction: From Homogeneous to Heterogeneous Systems. Catalysts, 2017, 7, 373.	1.6	48
120	Synthesis of Twoâ€dimensional Microporous Carbonaceous Polymer Nanosheets and Their Application as Highâ€performance CO₂ Capture Sorbent. Chemistry - an Asian Journal, 2016, 11, 1849-1855.	1.7	11
121	Ammonium Aminodiboranate: A Longâ€Sought Isomer of Diammoniate of Diborane and Ammonia Borane Dimer. Chemistry - A European Journal, 2016, 22, 7727-7729.	1.7	15
122	Ammonia Decomposition with Manganese Nitrideâ€“Calcium Imide Composites as Efficient Catalysts. ChemSusChem, 2016, 9, 364-369.	3.6	28
123	Effects of Alkaline Earth Metal Amides on Ru in Catalytic Ammonia Decomposition. Journal of Physical Chemistry C, 2016, 120, 2822-2828.	1.5	45
124	N-, P- and Fe-tridoped nanoporous carbon derived from plant biomass: an excellent oxygen reduction electrocatalyst for zincâ€“air batteries. Journal of Materials Chemistry A, 2016, 4, 8602-8609.	5.2	112
125	An improved synthesis of unsolvated NaB 3 H 8 and its application in preparing Na 2 B 12 H 12. International Journal of Hydrogen Energy, 2016, 41, 15471-15476.	3.8	19
126	Polysiloxane Functionalized Carbon Dots and Their Cross-Linked Flexible Silicone Rubbers for Color Conversion and Encapsulation of White LEDs. ACS Applied Materials & Interfaces, 2016, 8, 9961-9968.	4.0	88

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127	Bulk Production of Nonprecious Metal Catalysts from Cheap Starch as Precursor and Their Excellent Electrochemical Activity. ACS Sustainable Chemistry and Engineering, 2016, 4, 3235-3244.	3.2	22
128	Solid Hydrogen Storage Materials: Non-interstitial Hydrides. Green Energy and Technology, 2016, , 207-239.	0.4	0
129	Single-Layered and Single-Crystalline Graphene Quantum Dots from 2D Polycyclic Compounds. Particle and Particle Systems Characterization, 2016, 33, 811-817.	1.2	9
130	N-, Fe-Doped carbon sphere/oriented carbon nanofiber nanocomposite with synergistically enhanced electrochemical activities. RSC Advances, 2016, 6, 92739-92747.	1.7	1
131	High-Pressure Photon Ionization Source for TOFMS and Its Application for Online Breath Analysis. Analytical Chemistry, 2016, 88, 9047-9055.	3.2	54
132	C₉₆H₃₀tailored single-layer and single-crystalline graphene quantum dots. Physical Chemistry Chemical Physics, 2016, 18, 25002-25009.	1.3	17
133	The interactions of Li3FeN2 with H2 and NH3. International Journal of Hydrogen Energy, 2016, 41, 14171-14177.	3.8	8
134	Hydrogen carriers. Nature Reviews Materials, 2016, 1, .	23.3	602
135	Enantiomeric Catalytic Formal Thiolation of 2,5â€Dimethylâ€3â€[1â€(arylsulfonyl)alkyl]pyrroles in an Oil/Water Biphasic System. European Journal of Organic Chemistry, 2016, 2016, 5826-5830.	1.2	5
136	Thermal decomposition of sodium amide, NaNH₂, and sodium amide hydroxide composites, NaNH₂â€“NaOH. Physical Chemistry Chemical Physics, 2016, 18, 25257-25264.	1.3	17
137	Photoionization-Generated Dibromomethane Cation Chemical Ionization Source for Time-of-Flight Mass Spectrometry and Its Application on Sensitive Detection of Volatile Sulfur Compounds. Analytical Chemistry, 2016, 88, 5028-5032.	3.2	36
138	Synthesis and decomposition of Li₃Na(NH₂)₄ and investigations of Liâ€“Naâ€“Nâ€“H based systems for hydrogen storage. Physical Chemistry Chemical Physics, 2016, 18, 1735-1742.	1.3	10
139	In situ bifunctionalized carbon dots with boronic acid and amino groups for ultrasensitive dopamine detection. Analytical Methods, 2016, 8, 3236-3241.	1.3	43
140	Hydrogen-based Energy Storage (IEA-HIA Task 32). Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	4
141	New synthesis route for ternary transition metal amides as well as ultrafast amideâ€“hydride hydrogen storage materials. Chemical Communications, 2016, 52, 5100-5103.	2.2	18
142	Synthesis, structure and the dehydrogenation mechanism of calcium amidoborane hydrazinates. Physical Chemistry Chemical Physics, 2016, 18, 244-251.	1.3	7
143	Complex and liquid hydrides for energy storage. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	81
144	Melamine assisted solid exfoliation approach for the synthesis of few-layered fluorinated graphene nanosheets. Materials Letters, 2016, 171, 191-194.	1.3	26

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145	Ellipticity-dependent of multiple ionisation methyl iodide cluster using 532 nm nanosecond laser. Molecular Physics, 2016, 114, 855-861.	0.8	0
146	A highly enantioselective thiolation of sulfonyl indoles to access 3-sec-sulfur-substituted indoles in water. Chemical Communications, 2016, 52, 96-99.	2.2	21
147	Rapid Identification and Quantification of Linear Olefin Isomers by Online Ozonolysis-Single Photon Ionization Time-of-Flight Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2016, 27, 144-152.	1.2	11
148	Liquid organic hydrogen carriers. Journal of Energy Chemistry, 2015, 24, 587-594.	7.1	167
149	Ternary Amides Containing Transition Metals for Hydrogen Storage: A Case Study with Alkali Metal Amidozincates. ChemSusChem, 2015, 8, 3777-3782.	3.6	13
150	Layerâ€byâ€layer assembly of {chitosan/Pd}_n multilayer film based on inâ€situ photochemical reduction with excellent electrocatalytic properties. Surface and Interface Analysis, 2015, 47, 1114-1119.	0.8	2
151	Lithium Imide Synergy with 3d Transitionâ€Metal Nitrides Leading to Unprecedented Catalytic Activities for Ammonia Decomposition. Angewandte Chemie, 2015, 127, 2993-2997.	1.6	18
152	The improved Hydrogen Storage Performances of the Multi-Component Composite: 2Mg(NH2)2â€“3LiHâ€“LiBH4. Energies, 2015, 8, 6898-6909.	1.6	19
153	DNA Hydrogels: A Writable Polypeptideâ€“DNA Hydrogel with Rationally Designed Multiâ€modification Sites (Small 9â€10/2015). Small, 2015, 11, 1224-1224.	5.2	0
154	New synthetic procedure for NaNH2(BH3)2 and evaluation of its hydrogen storage properties. Science China Chemistry, 2015, 58, 169-173.	4.2	8
155	BiOBr three-dimensional micromaterials in a solvothermal system and their photocatalytical property under visible-light irradiation. Journal of Experimental Nanoscience, 2015, 10, 564-575.	1.3	6
156	Lithium Imide Synergy with 3d Transitionâ€Metal Nitrides Leading to Unprecedented Catalytic Activities for Ammonia Decomposition. Angewandte Chemie - International Edition, 2015, 54, 2950-2954.	7.2	76
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