

Shujun Qiu

List of Publications by Year in descending order

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91
papers

2,816
citations

159358

30
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197535

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docs citations

91
times ranked

3041
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.6	140
2	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.	5.2	122
3	CaCl ₂ ·6H ₂ O/Expanded graphite composite as form-stable phase change materials for thermal energy storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 111-117.	2.0	116
4	Ammonia sensor based on polypyrrole-graphene nanocomposite decorated with titania nanoparticles. <i>Ceramics International</i> , 2015, 41, 6432-6438.	2.3	106
5	Broccoli-like porous carbon nitride from ZIF-8 and melamine for high performance supercapacitors. <i>Applied Surface Science</i> , 2018, 440, 47-54.	3.1	105
6	One-pot synthesis of ternary polypyrrole-Prussian-blue-graphene-oxide hybrid composite as electrode material for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2016, 188, 126-134.	2.6	104
7	Rational Design of Co(II) Dominant and Oxygen Vacancy Defective CuCo ₂ O ₄ @CQDs Hollow Spheres for Enhanced Overall Water Splitting and Supercapacitor Performance. <i>Inorganic Chemistry</i> , 2018, 57, 7380-7389.	1.9	104
8	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.	3.8	93
9	A room-temperature hydrogen sensor based on Pd nanoparticles doped TiO ₂ nanotubes. <i>Ceramics International</i> , 2014, 40, 16343-16348.	2.3	89
10	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.	5.6	79
11	Carbon dots decorated ultrathin CdS nanosheets enabling in-situ anchored Pt single atoms: A highly efficient solar-driven photocatalyst for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118036.	10.8	77
12	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.	2.3	74
13	Chitosan-mediated Co-Ce-B nanoparticles for catalyzing the hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4912-4921.	3.8	72
14	Hydrogen generation by hydrolysis of alkaline sodium borohydride using a cobalt-zinc-boron/graphene nanocomposite treated with sodium hydroxide. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4111-4118.	3.8	60
15	Highly active nanoporous Co-B-TiO ₂ framework for hydrolysis of NaBH ₄ . <i>Ceramics International</i> , 2015, 41, 899-905.	2.3	56
16	Light metal borohydrides/amides combined hydrogen storage systems: composition, structure and properties. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25112-25130.	5.2	55
17	Polypyrrole-wrapped NiCo ₂ S ₄ nanoneedles as an electrode material for supercapacitor applications. <i>Ceramics International</i> , 2021, 47, 16562-16569.	2.3	55
18	Nitrogen-doped porous carbon derived from ginkgo leaves with remarkable supercapacitance performance. <i>Diamond and Related Materials</i> , 2019, 98, 107475.	1.8	49

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19	Flexible asymmetric supercapacitors made of 3D porous hierarchical CuCo ₂ O ₄ @CQDs and Fe ₂ O ₃ @CQDs with enhanced performance. <i>Electrochimica Acta</i> , 2018, 283, 248-259.	2.6	47
20	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.	3.8	47
21	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.	2.5	42
22	Cobalt-boron/nickel-boron nanocomposite with improved catalytic performance for the hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 13423-13430.	3.8	41
23	Bienzymatic glucose biosensor based on direct electrochemistry of cytochrome c on gold nanoparticles/polyaniline nanospheres composite. <i>Talanta</i> , 2013, 110, 96-100.	2.9	37
24	Thermal stability, decomposition and glass transition behavior of PANI/NiO composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 98, 533-537.	2.0	35
25	Effect of ball-milling time on the electrochemical properties of La-Mg-Ni-based hydrogen storage composite alloys. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 4925-4932.	3.8	34
26	The improved electrochemical properties of novel La-Mg-Ni-based hydrogen storage composites. <i>Electrochimica Acta</i> , 2007, 52, 6700-6706.	2.6	33
27	Pd-doped TiO ₂ @polypyrrole core-shell composites as hydrogen-sensing materials. <i>Ceramics International</i> , 2016, 42, 8257-8262.	2.3	33
28	Electrochemical hydrogen storage properties of La _{0.7} Mg _{0.3} Ni _{3.5} À“Ti _{0.17} Zr _{0.08} V _{0.35} Cr _{0.1} Ni _{0.3} La _{0.7} Mg _{0.3} Ni _{3.5} À“Ti _{0.17} Zr _{0.08} V _{0.35} Cr _{0.1} Ni _{0.3} composites. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 755-761.	3.8	32
29	Biomass-Derived Porous Carbon Prepared from Egg White for High-Performance Supercapacitor Electrode Materials. <i>ChemistrySelect</i> , 2019, 4, 7358-7365.	0.7	32
30	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.	2.0	31
31	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.	2.6	29
32	Two dimensional holey carbon nanosheets assisted by calcium acetate for high performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 283, 904-913.	2.6	28
33	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.	3.8	26
34	Effect of polyaniline on hydrogen absorption-desorption properties and discharge capacity of AB ₃ alloy. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 3395-3401.	3.8	25
35	Rambutan-like hierarchically porous carbon microsphere as electrode material for high-performance supercapacitors. , 2021, 3, 361-374.		25
36	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.	3.8	24

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37	Thermochemical studies of Rhodamine B and Rhodamine 6G by modulated differential scanning calorimetry and thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1611-1618.	2.0	22
38	Al ³⁺ /Li ₃ AlH ₆ : A novel composite with high activity for hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10392-10398.	3.8	21
39	Nitrogen-doped porous microsphere carbons derived from glucose and aminourea for high-performance supercapacitors. <i>Catalysis Today</i> , 2018, 318, 150-156.	2.2	21
40	Nitrogen-rich sandwich-like carbon nanosheets as anodes with superior lithium storage properties. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 225-232.	3.0	21
41	Effect of doped Ni-Bi-B alloy on hydrogen generation performance of Al-InCl ₃ . <i>Journal of Energy Chemistry</i> , 2019, 39, 268-274.	7.1	21
42	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.	2.8	21
43	Heat capacities and thermodynamic properties of CoPc and CoTMPP. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 91, 841-848.	2.0	20
44	Electrochemical kinetics and its temperature dependence behaviors of Ti _{0.17} Zr _{0.08} V _{0.35} Cr _{0.10} Ni _{0.30} alloy electrode. <i>Journal of Alloys and Compounds</i> , 2009, 471, 453-456.	2.8	20
45	Cobalt-Nickel-Boron Supported over Polypyrrole-Derived Activated Carbon for Hydrolysis of Ammonia Borane. <i>Metals</i> , 2016, 6, 154.	1.0	20
46	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.	2.8	20
47	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.	1.4	19
48	The electrochemical properties of Ti _{0.9} Zr _{0.2} Mn _{1.5} Cr _{0.3} V _{0.3} (xwt%La _{0.7} Mg _{0.25} Zr _{0.05} Ni _{2.975} Co _{0.525} (x=0,5,10) hydrogen storage composite electrodes. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 1898-1904.	3.8	18
49	Effect of La partial substitution for Zr on the Structural and electrochemical properties of Ti _{0.17} Zr _{0.08-x} La _x V _{0.35} Cr _{0.1} Ni _{0.3} (x=0-0.04) electrode alloys. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7246-7252.	3.8	18
50	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.	1.0	18
51	Effects of Alkali Metal (Li, Na, and K) Incorporation in NH ₂ -MIL125(Ti) on the Performance of CO ₂ Adsorption. <i>Materials</i> , 2019, 12, 844.	1.3	18
52	Changes in microstructure, solidification path and hydrogen permeability of Nb-Hf-Co alloy by adjusting Hf/Co ratio. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1391-1400.	3.8	17
53	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.	2.7	17
54	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.	2.5	17

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55	Hydrolytic dehydrogenation of NH_3BH_3 catalyzed by ruthenium nanoparticles supported on magnesium–aluminum layered double-hydroxides. <i>RSC Advances</i> , 2020, 10, 9996-10005.	1.7	16
56	Structure, morphology and hydrogen storage properties of composites prepared by ball milling $\text{Ti}_{0.9}\text{Zr}_{0.2}\text{Mn}_{1.5}\text{Cr}_{0.3}\text{V}_{0.3}\text{Ti}_{0.9}\text{Zr}_{0.2}\text{Mn}_{1.5}\text{Cr}_{0.3}\text{V}_{0.3}$ with La–Mg-based alloy. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 3363-3369.	3.8	15
57	The electrochemical performances of Ti–V-based hydrogen storage composite electrodes prepared by ball milling method. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 7471-7478.	3.8	15
58	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.	2.0	15
59	Fabrication and characterization of a novel nanoporous Co–Ni–W catalyst for rapid hydrogen generation. <i>RSC Advances</i> , 2015, 5, 163-166.	1.7	14
60	Organic carbon gel assisted-synthesis of $\text{Li}_{1.2}\text{Mn}_{0.6}\text{Ni}_{0.2}\text{O}_2$ for a high-performance cathode material for Li-ion batteries. <i>RSC Advances</i> , 2017, 7, 1561-1566.	1.7	13
61	Improved Dehydrogenation Properties of $2\text{LiNH}_2\text{-MgH}_2$ by Doping with Li_3AlH_6 . <i>Metals</i> , 2017, 7, 34.	1.0	13
62	Enhanced thermal diffusivity and dehydrogenation of $2\text{LiNH}_2\text{MgH}_2$ by doping with super activated carbon. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13975-13980.	3.8	13
63	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.	2.8	12
64	Electrochemical performances of cobalt-free $\text{La}_{0.7}\text{Mg}_{0.3}\text{Ni}_{3.5-x}(\text{MnAl})_x$ ($x=0-0.20$) hydrogen storage alloy electrodes. <i>Journal of Alloys and Compounds</i> , 2008, 457, 90-96.	2.8	12
65	Improvement on Hydrogen Desorption Performance of Calcium Borohydride Diammoniate Doped with Transition Metal Chlorides. <i>Journal of Physical Chemistry C</i> , 2015, 119, 913-918.	1.5	12
66	Enhancement of the electrochemical properties of rare earth-based alloy by doping with CoZnB alloy. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14173-14178.	3.8	12
67	Microcalorimetric investigation of the growth of the Escherichia coli DH5 α in different antibiotics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 89, 875-879.	2.0	11
68	Enhancement of the initial hydrogenation of Mg by ball milling with alkali metal amides MNH_2 (M = Li). <i>Journal of Applied Electrochemistry</i> , 2017, 47, 1075-1080.	1.8	11
69	High Performance Supercapacitor based on Polypyrrole/Melamine Formaldehyde Resin Derived Carbon Material. <i>International Journal of Electrochemical Science</i> , 2017, 12, 1014-1024.	0.5	11
70	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.	0.8	10
71	Influence of Zr Addition on Structure and Performance of Rare Earth Mg-Based Alloys as Anodes in Ni/MH Battery. <i>Metals</i> , 2015, 5, 565-577.	1.0	10
72	Influence of boron introduction on structure and electrochemical hydrogen storage properties of Ti–V-based alloys. <i>Journal of Alloys and Compounds</i> , 2015, 648, 320-325.	2.8	9

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73	Guanine-Derived Nitrogen-Doped Ordered Mesoporous Carbons for Lithium-Ion Battery Anodes. <i>ChemistrySelect</i> , 2017, 2, 10076-10081.	0.7	9
74	Investigation on the structure and electrochemical properties of AB ₃ -type La-Mg-Ni-Co-based hydrogen storage composites. <i>Journal of Alloys and Compounds</i> , 2008, 462, 392-397.	2.8	8
75	Improved hydrogen desorption properties of Li-Ca-B-N-H system catalyzed by cobalt containing species. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, 013105.	0.8	8
76	Low-temperature heat capacities and thermodynamic properties of Mn ₃ (HEDTA) ₂ ·10H ₂ O. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 1155-1160.	2.0	7
77	Influences of levofloxacin salts on the metabolism of <i>Escherichia coli</i> by microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 959-963.	2.0	7
78	Significantly enhanced dehydrogenation properties of calcium borohydride combined with urea. <i>Dalton Transactions</i> , 2014, 43, 15291-15294.	1.6	7
79	Honeycomb-like Fe/Fe ₃ C-doped porous carbon with more Fe-N active sites for promoting the electrocatalytic activity of oxygen reduction. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5295-5304.	2.5	7
80	The Co-B Amorphous Alloy: A High Capacity Anode Material for an Alkaline Rechargeable Battery. <i>Metals</i> , 2016, 6, 269.	1.0	6
81	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.	3.8	5
82	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.	0.3	5
83	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.	1.1	5
84	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
85	Low Temperature Heat Capacity and Thermal Analysis of Caffeine, Theophylline and Aminophylline. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2010, 26, 2096-2102.	2.2	3
86	Preparations and characterizations of perovskite 0.80PMN-0.20PT ceramic by using a one-step calcination method. <i>Journal of Alloys and Compounds</i> , 2010, 497, 155-158.	2.8	2
87	Fe-Co-Ni/Nitrogen-Doped Mesoporous Carbon Materials for Electrochemical Oxygen Reduction. <i>ChemistrySelect</i> , 2018, 3, 12960-12966.	0.7	2
88	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.	1.1	1
89	Enhanced electrochemical properties of sodium-doped lithium-rich manganese-based cathode materials. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2021, 52, 51-59.	0.5	1
90	Metal Amidoboranes and Their Derivatives for Hydrogen Storage. , 0, , .		0

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91	Li _{1.2} Mn _{0.6} Ni _{0.2} O ₂ Cathode Material Prepared by the Ultrasonic Dispersionassisted Method. Current Mechanics and Advanced Materials, 2021, 1, 58-65.	0.1	0