

# Shujun Qiu

## List of Publications by Year in descending order

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91  
papers

2,816  
citations

159358

30  
h-index

197535

49  
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91  
all docs

91  
docs citations

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times ranked

3041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-doped carbon encapsulated Ru-decorated Co <sub>2</sub> 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
2	Rambutan-like hierarchically porous carbon microsphere as electrode material for high-performance supercapacitors. , 2021, 3, 361-374.		25
3	Enhanced electrochemical properties of sodium-doped lithium-rich manganese-based cathode materials. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2021, 52, 51-59.	0.5	1
4	Li <sub>1.2</sub> Mn <sub>0.6</sub> Ni <sub>0.2</sub> O <sub>2</sub> Cathode Material Prepared by the Ultrasonic Dispersion-assisted Method. <i>Current Mechanics and Advanced Materials</i> , 2021, 1, 58-65.	0.1	0
5	Polypyrrole-wrapped NiCo <sub>2</sub> S <sub>4</sub> nanoneedles as an electrode material for supercapacitor applications. <i>Ceramics International</i> , 2021, 47, 16562-16569.	2.3	55
6	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
7	Honeycomb-like Fe/Fe <sub>3</sub> 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
8	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
9	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
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	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
12	Co <sub>3</sub> O <sub>4</sub> -doped two-dimensional carbon nanosheet as an electrode material for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2020, 335, 135611.	2.6	29
13	Hydrolytic dehydrogenation of NH <sub>3</sub> BH <sub>3</sub> catalyzed by ruthenium nanoparticles supported on magnesium-aluminum layered double-hydroxides. <i>RSC Advances</i> , 2020, 10, 9996-10005.	1.7	16
14	Superior performance for lithium storage from an integrated composite anode consisting of SiO <sub>2</sub> -based active material and current collector. <i>Frontiers of Materials Science</i> , 2020, 14, 243-254.	1.1	1
15	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
16	Nitrogen-doped porous carbon derived from ginkgo leaves with remarkable supercapacitance performance. <i>Diamond and Related Materials</i> , 2019, 98, 107475.	1.8	49
17	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
18	Poly(N-vinyl-2-pyrrolidone)-stabilized ruthenium supported on bamboo leaf-derived porous carbon for NH <sub>3</sub> BH <sub>3</sub> hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 29255-29262.	3.8	26

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19	Biomass-Derived Porous Carbon Prepared from Egg White for High-Performance Supercapacitor Electrode Materials. <i>ChemistrySelect</i> , 2019, 4, 7358-7365.	0.7	32
20	Effect of doped Ni-Bi-B alloy on hydrogen generation performance of Al-InCl <sub>3</sub> . <i>Journal of Energy Chemistry</i> , 2019, 39, 268-274.	7.1	21
21	Effects of Alkali Metal (Li, Na, and K) Incorporation in NH <sub>2</sub> -MIL125(Ti) on the Performance of CO <sub>2</sub> Adsorption. <i>Materials</i> , 2019, 12, 844.	1.3	18
22	Polydopamine-assisted formation of Co <sub>3</sub> O <sub>4</sub> -nanocube-anchored reduced graphene oxide composite for high-performance supercapacitors. <i>Ceramics International</i> , 2019, 45, 13894-13902.	2.3	74
23	Ruthenium supported on nitrogen-doped porous carbon for catalytic hydrogen generation from NH <sub>3</sub> BH <sub>3</sub> hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1774-1781.	3.8	47
24	In Situ Synthesis of Ruthenium Supported on Ginkgo Leaf-Derived Porous Carbon for H <sub>2</sub> Generation from NH <sub>3</sub> BH <sub>3</sub> Hydrolysis. <i>Recent Patents on Materials Science</i> , 2019, 11, 65-70.	0.5	3
25	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
26	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
27	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
28	Preparation and thermophysical properties of a novel form-stable CaCl <sub>2</sub> ·6H <sub>2</sub> 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
29	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
30	Enhanced thermal diffusivity and dehydrogenation of 2LiNH <sub>2</sub> MgH <sub>2</sub> by doping with super activated carbon. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13975-13980.	3.8	13
31	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
32	Fe-Co-Ni/Nitrogen-Doped Mesoporous Carbon Materials for Electrochemical Oxygen Reduction. <i>ChemistrySelect</i> , 2018, 3, 12960-12966.	0.7	2
33	Rational Design of Co(II) Dominant and Oxygen Vacancy Defective CuCo <sub>2</sub> O <sub>4</sub> @CQDs Hollow Spheres for Enhanced Overall Water Splitting and Supercapacitor Performance. <i>Inorganic Chemistry</i> , 2018, 57, 7380-7389.	1.9	104
34	Flexible asymmetric supercapacitors made of 3D porous hierarchical CuCo <sub>2</sub> O <sub>4</sub> @CQDs and Fe <sub>2</sub> O <sub>3</sub> @CQDs with enhanced performance. <i>Electrochimica Acta</i> , 2018, 283, 248-259.	2.6	47
35	Two dimensional holey carbon nanosheets assisted by calcium acetate for high performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 283, 904-913.	2.6	28
36	Organic carbon gel assisted-synthesis of Li <sub>1.2</sub> Mn <sub>0.6</sub> Ni <sub>0.2</sub> O <sub>2</sub> for a high-performance cathode material for Li-ion batteries. <i>RSC Advances</i> , 2017, 7, 1561-1566.	1.7	13

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37	Enhanced hydrogen storage properties of 2LiNH <sub>2</sub> /MgH <sub>2</sub> through the addition of Mg(BH <sub>4</sub> ) <sub>2</sub> . Journal of Alloys and Compounds, 2017, 704, 44-50.	2.8	20
38	Simple synthesis of graphene-doped flower-like cobalt-nickel-tungsten-boron oxides with self-oxidation for high-performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 9907-9916.	5.2	122
39	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.	0.3	5
40	Guanine-Derived Nitrogen-Doped Ordered Mesoporous Carbons for Lithium-Ion Battery Anodes. ChemistrySelect, 2017, 2, 10076-10081.	0.7	9
41	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.	1.4	19
42	Light metal borohydrides/amides combined hydrogen storage systems: composition, structure and properties. Journal of Materials Chemistry A, 2017, 5, 25112-25130.	5.2	55
43	Improved Dehydrogenation Properties of 2LiNH <sub>2</sub> -MgH <sub>2</sub> by Doping with Li <sub>3</sub> AlH <sub>6</sub> . Metals, 2017, 7, 34.	1.0	13
44	Effects of the Preparation Solvent on the Catalytic Properties of Cobalt-Boron Alloy for the Hydrolysis of Alkaline Sodium Borohydride. Metals, 2017, 7, 365.	1.0	18
45	High Performance Supercapacitor based on Polypyrrole/Melamine Formaldehyde Resin Derived Carbon Material. International Journal of Electrochemical Science, 2017, 12, 1014-1024.	0.5	11
46	Cobalt-Nickel-Boron Supported over Polypyrrole-Derived Activated Carbon for Hydrolysis of Ammonia Borane. Metals, 2016, 6, 154.	1.0	20
47	The Co-B Amorphous Alloy: A High Capacity Anode Material for an Alkaline Rechargeable Battery. Metals, 2016, 6, 269.	1.0	6
48	Changes in microstructure, solidification path and hydrogen permeability of Nb-Hf-Co alloy by adjusting Hf/Co ratio. International Journal of Hydrogen Energy, 2016, 41, 1391-1400.	3.8	17
49	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.	3.8	5
50	Ternary Co-Ni-B amorphous alloy with a superior electrochemical performance in a wide temperature range. International Journal of Hydrogen Energy, 2016, 41, 3955-3960.	3.8	24
51	Pd-doped TiO <sub>2</sub> @polypyrrole core-shell composites as hydrogen-sensing materials. Ceramics International, 2016, 42, 8257-8262.	2.3	33
52	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.	3.8	93
53	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.	2.0	22
54	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.	2.6	104

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55	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
56	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
57	Ammonia sensor based on polypyrrole-graphene nanocomposite decorated with titania nanoparticles. <i>Ceramics International</i> , 2015, 41, 6432-6438.	2.3	106
58	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
59	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
60	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
61	Enhancement of the initial hydrogenation of Mg by ball milling with alkali metal amides MNH <sub>2</sub> (M = Li) <i>Tj ETQq1 1 0,784314 rgBT /Overle</i>	1.6	11
62	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
63	Fabrication and characterization of a novel nanoporous Co-Ni-W-B catalyst for rapid hydrogen generation. <i>RSC Advances</i> , 2015, 5, 163-166.	1.7	14
64	Highly active nanoporous Co-B-TiO <sub>2</sub> framework for hydrolysis of NaBH <sub>4</sub> . <i>Ceramics International</i> , 2015, 41, 899-905.	2.3	56
65	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
66	CaCl <sub>2</sub> ·6H <sub>2</sub> 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
67	Significantly enhanced dehydrogenation properties of calcium borohydride combined with urea. <i>Dalton Transactions</i> , 2014, 43, 15291-15294.	1.6	7
68	A room-temperature hydrogen sensor based on Pd nanoparticles doped TiO <sub>2</sub> nanotubes. <i>Ceramics International</i> , 2014, 40, 16343-16348.	2.3	89
69	Al-LiAlH <sub>6</sub> : A novel composite with high activity for hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10392-10398.	3.8	21
70	Influences of levofloxacin salts on the metabolism of Escherichia coli by microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 959-963.	2.0	7
71	Biozymatic 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
72	Low-temperature heat capacities and thermodynamic properties of Mn <sub>3</sub> (HEDTA) <sub>2</sub> ·10H <sub>2</sub> O. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 1155-1160.	2.0	7

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73	Preparations and characterizations of perovskite 0.80PMN $\hat{c}$ 0.20PT ceramic by using a one-step calcination method. Journal of Alloys and Compounds, 2010, 497, 155-158.	2.8	2
74	Low Temperature Heat Capacity and Thermal Analysis of Caffeine, Theophylline and Aminophylline. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2010, 26, 2096-2102.	2.2	3
75	Study of adsorption behaviors of meso-tetrakis (4-N-Methylpyridyl) porphine p-Toluenesulfonate at indium $\hat{c}$ tin-oxide electrode/solution interface by in-situ internal reflection spectroscopy and cyclic voltammetry. Thin Solid Films, 2009, 517, 2905-2911.	0.8	10
76	Thermal stability, decomposition and glass transition behavior of PANI/NiO composites. Journal of Thermal Analysis and Calorimetry, 2009, 98, 533-537.	2.0	35
77	Effect of La partial substitution for Zr on the Structural and electrochemical properties of Ti <sub>0.17</sub> Zr <sub>0.08-x</sub> La <sub>x</sub> V <sub>0.35</sub> Cr <sub>0.1</sub> Ni <sub>0.3</sub> ( $x=0\hat{c}0.04$ ) electrode alloys. International Journal of Hydrogen Energy, 2009, 34, 7246-7252.	3.8	18
78	Electrochemical kinetics and its temperature dependence behaviors of Ti <sub>0.17</sub> Zr <sub>0.08</sub> V <sub>0.35</sub> Cr <sub>0.10</sub> Ni <sub>0.30</sub> alloy electrode. Journal of Alloys and Compounds, 2009, 471, 453-456.	2.8	20
79	Electrochemical hydrogen storage properties of La <sub>0.7</sub> Mg <sub>0.3</sub> Ni <sub>3.5</sub> $\hat{c}$ Ti <sub>0.17</sub> Zr <sub>0.08</sub> V <sub>0.35</sub> Cr <sub>0.1</sub> Ni <sub>0.3</sub> La <sub>0.7</sub> Mg <sub>0.3</sub> Ni <sub>3.5</sub> $\hat{c}$ Ti <sub>0.17</sub> Zr <sub>0.08</sub> V <sub>0.35</sub> Cr <sub>0.1</sub> Ni <sub>0.3</sub> composites. International Journal of Hydrogen Energy, 2008, 33, 755-761.	3.8	32
80	Heat capacities and thermodynamic properties of CoPc and CoTMPP. Journal of Thermal Analysis and Calorimetry, 2008, 91, 841-848.	2.0	20
81	The electrochemical performances of Ti $\hat{c}$ V-based hydrogen storage composite electrodes prepared by ball milling method. International Journal of Hydrogen Energy, 2008, 33, 7471-7478.	3.8	15
82	Electrochemical performances of cobalt-free La <sub>0.7</sub> Mg <sub>0.3</sub> Ni <sub>3.5</sub> $\hat{c}$ x(MnAl) <sub>2</sub> x ( $x=0\hat{c}0.20$ ) hydrogen storage alloy electrodes. Journal of Alloys and Compounds, 2008, 457, 90-96.	2.8	12
83	Investigation on the structure and electrochemical properties of AB <sub>3</sub> -type La $\hat{c}$ Mg $\hat{c}$ Ni $\hat{c}$ Co-based hydrogen storage composites. Journal of Alloys and Compounds, 2008, 462, 392-397.	2.8	8
84	Structure and electrochemical properties of composite electrodes synthesized by mechanical milling Ni-free TiMn <sub>2</sub> -based alloy with La-based alloys. Journal of Alloys and Compounds, 2007, 446-447, 614-619.	2.8	12
85	The electrochemical properties of Ti <sub>0.9</sub> Zr <sub>0.2</sub> Mn <sub>1.5</sub> Cr <sub>0.3</sub> V <sub>0.3</sub> $\hat{c}$ xwt%La <sub>0.7</sub> Mg <sub>0.25</sub> Zr <sub>0.05</sub> Ni <sub>2.975</sub> Co <sub>0.525</sub> ( $x=0,5,10$ ) hydrogen storage composite electrodes. International Journal of Hydrogen Energy, 2007, 32, 1898-1904.	3.8	18
86	Microcalorimetric investigation of the growth of the Escherichia coli DH5 $\hat{c}$ in different antibiotics. Journal of Thermal Analysis and Calorimetry, 2007, 89, 875-879.	2.0	11
87	The improved electrochemical properties of novel La $\hat{c}$ Mg $\hat{c}$ Ni-based hydrogen storage composites. Electrochimica Acta, 2007, 52, 6700-6706.	2.6	33
88	Effect of polyaniline on hydrogen absorption $\hat{c}$ desorption properties and discharge capacity of AB <sub>3</sub> alloy. International Journal of Hydrogen Energy, 2007, 32, 3395-3401.	3.8	25
89	Structure, morphology and hydrogen storage properties of composites prepared by ball milling Ti <sub>0.9</sub> Zr <sub>0.2</sub> Mn <sub>1.5</sub> Cr <sub>0.3</sub> V <sub>0.3</sub> Ti <sub>0.9</sub> Zr <sub>0.2</sub> Mn <sub>1.5</sub> Cr <sub>0.3</sub> V <sub>0.3</sub> with La $\hat{c}$ Mg-based alloy. International Journal of Hydrogen Energy, 2007, 32, 3363-3369.	3.8	15
90	Effect of ball-milling time on the electrochemical properties of La $\hat{c}$ Mg $\hat{c}$ Ni-based hydrogen storage composite alloys. International Journal of Hydrogen Energy, 2007, 32, 4925-4932.	3.8	34

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91	Metal Amidoboranes and Their Derivatives for Hydrogen Storage. , 0, , .		0