

Li Sun

List of Publications by Year in descending order

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79
papers

5,731
citations

81743

39
h-index

74018

75
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80
all docs

80
docs citations

80
times ranked

7888
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance flexible supercapacitor enabled by Polypyrrole-coated NiCoP@CNT electrode for wearable devices. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 135-147.	5.0	48
2	Dispersive NiCoP/LDO heterostructure nanosheets scattered by CNTs enabling high-performance electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2022, 429, 132482.	6.6	33
3	Synergistic effects of B/S co-doped spongy-like hierarchically porous carbon for a high performance zinc-ion hybrid capacitor. <i>Nanoscale</i> , 2022, 14, 2004-2012.	2.8	21
4	Biomass-derived porous carbon materials: synthesis, designing, and applications for supercapacitors. <i>Green Chemistry</i> , 2022, 24, 3864-3894.	4.6	97
5	Hollow Bimetallic Phosphosulfide NiCo@P/S Nanoparticles in a CNT/rGO Framework with Interface Charge Redistribution for Battery-Type Supercapacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 685-696.	2.5	17
6	Study on lithium storage performance of plum-putting-like CoP nanoparticles embedded in N, P co-doped porous carbon. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 14-23.	5.0	7
7	Metal Phosphides as Promising Electrode Materials for Alkali Metal Ion Batteries and Supercapacitors: A Review. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	6
8	RGO-loaded double phase Mo-doped NiS for enhanced battery-type energy storage in hybrid supercapacitors. <i>Electrochimica Acta</i> , 2022, 426, 140810.	2.6	8
9	Application of NiCoP/NiCo ₂ N designed by heterogeneous interface engineering in low-temperature flexible supercapacitors. <i>Journal of Energy Storage</i> , 2022, 54, 105302.	3.9	6
10	Reduced graphene oxide-modified NiCo-phosphates on Ni foam enabling high areal capacitances for asymmetric supercapacitors. <i>Journal of Materials Science and Technology</i> , 2021, 90, 255-263.	5.6	20
11	SnS ₂ nanodots decorated on RGO sheets with enhanced pseudocapacitive performance for asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 853, 156903.	2.8	34
12	A hollow Co ₉ S ₈ rod@acidified CNT@NiCoLDH composite providing excellent electrochemical performance in asymmetric supercapacitors. <i>Dalton Transactions</i> , 2021, 50, 9283-9292.	1.6	19
13	Boosting Zn-ion adsorption in cross-linked N/P co-incorporated porous carbon nanosheets for the zinc-ion hybrid capacitor. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16565-16574.	5.2	67
14	Zinc-ion Hybrid Capacitor with High Energy Density Constructed by Bamboo Shavings Derived Spongy-like Porous Carbon. <i>ChemistrySelect</i> , 2021, 6, 6937-6943.	0.7	12
15	Mixed-metal MOF-derived Co@Mn@O hollow spheres as anodes for lithium storage. <i>Materials Today Energy</i> , 2021, 21, 100825.	2.5	3
16	RGO wrapped tungsten trioxide hydrate on CNT-modified carbon Cloth as self-supported high-rate lithium-ion battery electrode. <i>Electrochimica Acta</i> , 2021, 394, 139162.	2.6	14
17	Effect of physiochemical properties in biomass-derived materials caused by different synthesis methods and their electrochemical properties in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12521-12552.	5.2	43
18	Hollow CoP spheres assembled from porous nanosheets as high-rate and ultra-stable electrodes for advanced supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26226-26235.	5.2	31

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19	Graphene for Energy Storage and Conversion: Synthesis and Interdisciplinary Applications. <i>Electrochemical Energy Reviews</i> , 2020, 3, 395-430.	13.1	59
20	MnO nanorods coated by Co-decorated N-doped carbon as anodes for high performance lithium ion batteries. <i>Applied Surface Science</i> , 2020, 504, 144479.	3.1	34
21	Enhanced pseudocapacitive energy storage properties of budding-branch like MoO ₂ @C/CNT nanorods. <i>Dalton Transactions</i> , 2020, 49, 1637-1645.	1.6	14
22	MOF-derived Ni-doped CoP@C grown on CNTs for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 385, 123454.	6.6	155
23	Mesoporous ZnCo ₂ O ₄ -CNT microflowers as bifunctional material for supercapacitive and lithium energy storage. <i>Applied Surface Science</i> , 2020, 506, 144964.	3.1	43
24	Highly porous oxygen-doped NiCoP immobilized in reduced graphene oxide for supercapacitive energy storage. <i>Composites Part B: Engineering</i> , 2020, 182, 107611.	5.9	80
25	Photocatalysis-Assisted Co ₃ O ₄ /g-C ₃ N ₄ p-n Junction All-Solid-State Supercapacitors: A Bridge between Energy Storage and Photocatalysis. <i>Advanced Science</i> , 2020, 7, 2001939.	5.6	83
26	Sn-Decorated red P entangled in CNTs as anodes for advanced lithium ion batteries. <i>Dalton Transactions</i> , 2020, 49, 10909-10917.	1.6	8
27	CTAB-modified Ni ₂ P@ACNT composite with enhanced supercapacitive and lithium/sodium storage performance. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114441.	1.9	16
28	Construction of Sn-P-graphene microstructure with Sn-C and P-C co-bonding as anodes for lithium-ion batteries. <i>Chemical Communications</i> , 2020, 56, 10572-10575.	2.2	13
29	CuCo ₂ S ₄ -rGO Microflowers: First-Principle Calculation and Application in Energy Storage. <i>Small</i> , 2020, 16, e2001468.	5.2	39
30	Porous Mo ₂ C coverage on ZnO rods for enhanced supercapacitive performance. <i>Dalton Transactions</i> , 2020, 49, 5134-5142.	1.6	6
31	Carbon-coated MoO ₂ nanoclusters anchored on RGO sheets as high-performance electrodes for symmetric supercapacitors. <i>Dalton Transactions</i> , 2019, 48, 285-295.	1.6	28
32	Sn-SnO ₂ hybrid nanoclusters embedded in carbon nanotubes with enhanced electrochemical performance for advanced lithium ion batteries. <i>Journal of Power Sources</i> , 2019, 415, 126-135.	4.0	84
33	Bimetallic NiCo ₂ S ₄ Nanoneedles Anchored on Mesocarbon Microbeads as Advanced Electrodes for Asymmetric Supercapacitors. <i>Nano-Micro Letters</i> , 2019, 11, 35.	14.4	83
34	Porous NiCoP nanowalls as promising electrode with high-area and mass capacitance for supercapacitors. <i>Science China Materials</i> , 2019, 62, 1115-1126.	3.5	42
35	N-doped-carbon coated Ni ₂ P-Ni sheets anchored on graphene with superior energy storage behavior. <i>Nano Research</i> , 2019, 12, 607-618.	5.8	83
36	TiO ₂ -modified red phosphorus nanosheets entangled in carbon nanotubes for high performance lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 297, 319-327.	2.6	26

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37	CO ₂ oxidation of carbon nanotubes for lithium-sulfur batteries with improved electrochemical performance. Carbon, 2018, 132, 370-379.	5.4	48
38	Three-dimensional macroporous graphene monoliths with entrapped MoS ₂ nanoflakes from single-step synthesis for high-performance sodium-ion batteries. RSC Advances, 2018, 8, 2477-2484.	1.7	13
39	High-performance asymmetrical supercapacitor composed of rGO-enveloped nickel phosphite hollow spheres and N/S co-doped rGO aerogel. Nano Research, 2018, 11, 1651-1663.	5.8	58
40	One-pot synthesis of Ni(OH) ₂ flakes embeded in highly-conductive carbon nanotube/graphene hybrid framework as high performance electrodes for supercapacitors. Materials Letters, 2018, 213, 131-134.	1.3	13
41	Amorphous red phosphorus anchored on carbon nanotubes as high performance electrodes for lithium ion batteries. Nano Research, 2018, 11, 2733-2745.	5.8	46
42	Jahn-Teller distortions in molybdenum oxides: An achievement in exploring high rate supercapacitor applications and robust photocatalytic potential. Nano Energy, 2018, 53, 982-992.	8.2	57
43	MnO ₂ nanoparticles anchored on carbon nanotubes with hybrid supercapacitor-battery behavior for ultrafast lithium storage. Carbon, 2018, 139, 145-155.	5.4	77
44	Reduced graphene oxide nanosheet modified NiMn-LDH nanoflake arrays for high-performance supercapacitors. Chemical Communications, 2018, 54, 10172-10175.	2.2	46
45	A study on the effect of cross-linkers on pervaporation performance of room temperature vulcanised silicone rubber membranes for butanol recovery. Plastics, Rubber and Composites, 2017, 46, 277-284.	0.9	5
46	Coordination and reduction in polyol-mediated solvothermal synthesis of nickel-based materials with controllable morphology and magnetic and electrochemical properties. Research on Chemical Intermediates, 2017, 43, 6395-6406.	1.3	5
47	Mn ₃ O ₄ nanoparticles embedded in 3D reduced graphene oxide network as anode for high-performance lithium ion batteries. Journal of Materials Science: Materials in Electronics, 2017, 28, 14919-14927.	1.1	9
48	Amorphous red phosphorus nanosheets anchored on graphene layers as high performance anodes for lithium ion batteries. Nanoscale, 2017, 9, 18552-18560.	2.8	41
49	Urchin-like NiCo ₂ O ₄ nanoneedles grown on mesocarbon microbeads with synergistic electrochemical properties as electrodes for symmetric supercapacitors. Dalton Transactions, 2017, 46, 9457-9465.	1.6	30
50	Cross-stacked carbon nanotube film as an additional built-in current collector and adsorption layer for high-performance lithium sulfur batteries. Nanotechnology, 2016, 27, 075401.	1.3	20
51	Sulfur Embedded in a Mesoporous Carbon Nanotube Network as a Binder-Free Electrode for High-Performance Lithium-Sulfur Batteries. ACS Nano, 2016, 10, 1300-1308.	7.3	196
52	Mesoporous Li ₄ Ti ₅ O ₁₂ nanoclusters anchored on super-aligned carbon nanotubes as high performance electrodes for lithium ion batteries. Nanoscale, 2016, 8, 617-625.	2.8	46
53	Binder-free polymer encapsulated sulfur-carbon nanotube composite cathodes for high performance lithium batteries. Carbon, 2016, 96, 1053-1059.	5.4	64
54	Graphene/Sulfur Hybrid Nanosheets from a Space-Confined "Sauna" Reaction for High-Performance Lithium-Sulfur Batteries. Advanced Materials, 2015, 27, 5936-5942.	11.1	124

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55	Super-aligned carbon nanotube/graphene hybrid materials as a framework for sulfur cathodes in high performance lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5305-5312.	5.2	112
56	Electrospun Bismuth Ferrite Nanofibers for Potential Applications in Ferroelectric Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3665-3670.	4.0	55
57	Ultra-stretchable conductors based on buckled super-aligned carbon nanotube films. <i>Nanoscale</i> , 2015, 7, 10178-10185.	2.8	55
58	Nitrogen-Doped Porous Graphitic Carbon as an Excellent Electrode Material for Advanced Supercapacitors. <i>Chemistry - A European Journal</i> , 2014, 20, 564-574.	1.7	388
59	Small-sized and high-dispersed WN from $[\text{SiO}_4(\text{W}_3\text{O}_9)_4]^{4-}$ clusters loading on GO-derived graphene as promising carriers for methanol electro-oxidation. <i>Energy and Environmental Science</i> , 2014, 7, 1939-1949.	15.6	130
60	Stable 4 V-class bicontinuous cathodes by hierarchically porous carbon coating on $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ nanospheres. <i>Nanoscale</i> , 2014, 6, 12426-12433.	2.8	20
61	Isolated Boron and Nitrogen Sites on Porous Graphitic Carbon Synthesized from Nitrogen-Containing Chitosan for Supercapacitors. <i>ChemSusChem</i> , 2014, 7, 1637-1646.	3.6	128
62	Mesoporous $\text{Li}_4\text{Ti}_5\text{O}_{12}$ nanoclusters as high performance negative electrodes for lithium ion batteries. <i>Journal of Power Sources</i> , 2014, 248, 265-272.	4.0	61
63	Sulfur Nanocrystals Confined in Carbon Nanotube Network As a Binder-Free Electrode for High-Performance Lithium Sulfur Batteries. <i>Nano Letters</i> , 2014, 14, 4044-4049.	4.5	262
64	Highly entangled carbon nanoflakes on $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ microrods for improved lithium storage performance. <i>RSC Advances</i> , 2013, 3, 1297-1301.	1.7	32
65	Porous Graphitic Carbon Nanosheets Derived from Cornstalk Biomass for Advanced Supercapacitors. <i>ChemSusChem</i> , 2013, 6, 880-889.	3.6	257
66	From coconut shell to porous graphene-like nanosheets for high-power supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6462.	5.2	794
67	Highly dispersed Ni-decorated porous hollow carbon nanofibers: fabrication, characterization, and NO_x gas sensors at room temperature. <i>Journal of Materials Chemistry</i> , 2012, 22, 24814.	6.7	35
68	A novel soft template strategy to fabricate mesoporous carbon/graphene composites as high-performance supercapacitor electrodes. <i>RSC Advances</i> , 2012, 2, 8359.	1.7	82
69	A facile one-pot route for the controllable growth of small sized and well-dispersed ZnO particles on GO-derived graphene. <i>Journal of Materials Chemistry</i> , 2012, 22, 11778.	6.7	159
70	Nitrogen-doped graphene with high nitrogen level via a one-step hydrothermal reaction of graphene oxide with urea for superior capacitive energy storage. <i>RSC Advances</i> , 2012, 2, 4498.	1.7	696
71	Magnetically separable porous graphitic carbon with large surface area as excellent adsorbents for metal ions and dye. <i>Journal of Materials Chemistry</i> , 2011, 21, 7232.	6.7	85
72	Grain size modulation on BaTiO_3 nanoparticles synthesized at room temperature. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2690-2694.	1.4	10

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73	Direct synthesis of ultrafine tetragonal BaTiO ₃ nanoparticles at room temperature. <i>Nanoscale Research Letters</i> , 2011, 6, 466.	3.1	48
74	Low-temperature synthesis and analysis of barium titanate nanoparticles with excess barium. <i>Advanced Powder Technology</i> , 2011, 22, 401-404.	2.0	5
75	Stoichiometry of BaTiO ₃ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2605-2609.	0.8	6
76	Excess titanium in barium titanate nanoparticles directly synthesized from solution. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1676-1679.	1.9	1
77	Slurry Synthesis of Bismuth Sodium Titanate with a Transient Aurivillius-type Structure. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1044-1048.	1.9	7
78	Synthesis and characterization of Bi _{1/2} Na _{1/2} TiO ₃ nanopowders by pyrogenation-with-sugar-protection method. <i>Materials Chemistry and Physics</i> , 2009, 113, 329-333.	2.0	5
79	Rhenium-osmium isotope constraints on the age and source of the platinum mineralization in the Lower Cambrian black rock series of Hunan-Guizhou provinces, China. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 919-927.	0.9	17