Li Sun

List of Publications by Year
in descending order

79 papers	5,731 citations	81743 39 h-index	74018 75 g-index
80 all docs	80 docs citations	80 times ranked	7888 citing authors

#	Article	IF	Citations
1	From coconut shell to porous graphene-like nanosheets for high-power supercapacitors. Journal of Materials Chemistry A, 2013, 1, 6462.	5.2	794
2	Nitrogen-doped graphene with high nitrogen level via a one-step hydrothermal reaction of graphene oxide with urea for superior capacitive energy storage. RSC Advances, 2012, 2, 4498.	1.7	696
3	Nitrogenâ€Doped Porous Graphitic Carbon as an Excellent Electrode Material for Advanced Supercapacitors. Chemistry - A European Journal, 2014, 20, 564-574.	1.7	388
4	Sulfur Nanocrystals Confined in Carbon Nanotube Network As a Binder-Free Electrode for High-Performance Lithium Sulfur Batteries. Nano Letters, 2014, 14, 4044-4049.	4.5	262
5	Porous Graphitic Carbon Nanosheets Derived from Cornstalk Biomass for Advanced Supercapacitors. ChemSusChem, 2013, 6, 880-889.	3.6	257
6	Sulfur Embedded in a Mesoporous Carbon Nanotube Network as a Binder-Free Electrode for High-Performance Lithiumâ€“Sulfur Batteries. ACS Nano, 2016, 10, 1300-1308.	7.3	196
7	A facile one-pot route for the controllable growth of small sized and well-dispersed ZnO particles on GO-derived graphene. Journal of Materials Chemistry, 2012, 22, 11778.	6.7	159
8	MOF-derived Ni-doped CoP@C grown on CNTs for high-performance supercapacitors. Chemical Engineering Journal, 2020, 385, 123454.	6.6	155
9	Small-sized and high-dispersed WN from [SiO₄(W₃O₉)₄]^{4âˆ'} clusters loading on GO-derived graphene as promising carriers for methanol electro-oxidation. Energy and Environmental Science, 2014, 7, 1939-1949.	15.6	130
10	Isolated Boron and Nitrogen Sites on Porous Graphitic Carbon Synthesized from Nitrogenâ€Containing Chitosan for Supercapacitors. ChemSusChem, 2014, 7, 1637-1646.	3.6	128
11	Graphene/Sulfur Hybrid Nanosheets from a Spaceâ€Confined â€œSaunaâ€• Reaction for Highâ€Performance Lithiumâ€“Sulfur Batteries. Advanced Materials, 2015, 27, 5936-5942.	11.1	124
12	Super-aligned carbon nanotube/graphene hybrid materials as a framework for sulfur cathodes in high performance lithium sulfur batteries. Journal of Materials Chemistry A, 2015, 3, 5305-5312.	5.2	112
13	Biomass-derived porous carbon materials: synthesis, designing, and applications for supercapacitors. Green Chemistry, 2022, 24, 3864-3894.	4.6	97
14	Magnetically separable porous graphitic carbon with large surface area as excellent adsorbents for metal ions and dye. Journal of Materials Chemistry, 2011, 21, 7232.	6.7	85
15	Sn-SnO2 hybrid nanoclusters embedded in carbon nanotubes with enhanced electrochemical performance for advanced lithium ion batteries. Journal of Power Sources, 2019, 415, 126-135.	4.0	84
16	Bimetallic NiCo2S4 Nanoneedles Anchored on Mesocarbon Microbeads as Advanced Electrodes for Asymmetric Supercapacitors. Nano-Micro Letters, 2019, 11, 35.	14.4	83
17	N-doped-carbon coated Ni2P-Ni sheets anchored on graphene with superior energy storage behavior. Nano Research, 2019, 12, 607-618.	5.8	83
18	Photocatalysisâ€Assisted Co₃O₄/gâ€C₃N₄ pâ€“n Junction Allâ€Solidâ€State Supercapacitors: A Bridge between Energy Storage and Photocatalysis. Advanced Science, 2020, 7, 2001939.	5.6	83

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19	A novel soft template strategy to fabricate mesoporous carbon/graphene composites as high-performance supercapacitor electrodes. RSC Advances, 2012, 2, 8359.	1.7	82
20	Highly porous oxygen-doped NiCoP immobilized in reduced graphene oxide for supercapacitive energy storage. Composites Part B: Engineering, 2020, 182, 107611.	5.9	80
21	MnO2 nanoparticles anchored on carbon nanotubes with hybrid supercapacitor-battery behavior for ultrafast lithium storage. Carbon, 2018, 139, 145-155.	5.4	77
22	Boosting Zn-ion adsorption in cross-linked N/P co-incorporated porous carbon nanosheets for the zinc-ion hybrid capacitor. Journal of Materials Chemistry A, 2021, 9, 16565-16574.	5.2	67
23	Binder-free polymer encapsulated sulfurâ€“carbon nanotube composite cathodes for high performance lithium batteries. Carbon, 2016, 96, 1053-1059.	5.4	64
24	Mesoporous Li4Ti5O12 nanoclusters as high performance negative electrodes for lithium ion batteries. Journal of Power Sources, 2014, 248, 265-272.	4.0	61
25	Graphene for Energy Storage and Conversion: Synthesis and Interdisciplinary Applications. Electrochemical Energy Reviews, 2020, 3, 395-430.	13.1	59
26	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
27	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
28	Electrospun Bismuth Ferrite Nanofibers for Potential Applications in Ferroelectric Photovoltaic Devices. ACS Applied Materials & Interfaces, 2015, 7, 3665-3670.	4.0	55
29	Ultra-stretchable conductors based on buckled super-aligned carbon nanotube films. Nanoscale, 2015, 7, 10178-10185.	2.8	55
30	Direct synthesis of ultrafine tetragonal BaTiO3 nanoparticles at room temperature. Nanoscale Research Letters, 2011, 6, 466.	3.1	48
31	CO2 oxidation of carbon nanotubes for lithium-sulfur batteries with improved electrochemical performance. Carbon, 2018, 132, 370-379.	5.4	48
32	High-performance flexible supercapacitor enabled by Polypyrrole-coated NiCoP@CNT electrode for wearable devices. Journal of Colloid and Interface Science, 2022, 606, 135-147.	5.0	48
33	Mesoporous Li₄Ti₅O₁₂ nanoclusters anchored on super-aligned carbon nanotubes as high performance electrodes for lithium ion batteries. Nanoscale, 2016, 8, 617-625.	2.8	46
34	Amorphous red phosphorus anchored on carbon nanotubes as high performance electrodes for lithium ion batteries. Nano Research, 2018, 11, 2733-2745.	5.8	46
35	Reduced graphene oxide nanosheet modified NiMn-LDH nanoflake arrays for high-performance supercapacitors. Chemical Communications, 2018, 54, 10172-10175.	2.2	46
36	Mesoporous ZnCo2O4-CNT microflowers as bifunctional material for supercapacitive and lithium energy storage. Applied Surface Science, 2020, 506, 144964.	3.1	43

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37	Effect of physiochemical properties in biomass-derived materials caused by different synthesis methods and their electrochemical properties in supercapacitors. Journal of Materials Chemistry A, 2021, 9, 12521-12552.	5.2	43
38	Porous NiCoP nanowalls as promising electrode with high-area and mass capacitance for supercapacitors. Science China Materials, 2019, 62, 1115-1126.	3.5	42
39	Amorphous red phosphorus nanosheets anchored on graphene layers as high performance anodes for lithium ion batteries. Nanoscale, 2017, 9, 18552-18560.	2.8	41
40	CuCo₂S₄â€“rGO Microflowers: Firstâ€Principle Calculation and Application in Energy Storage. Small, 2020, 16, e2001468.	5.2	39
41	Highly dispersed Ni-decorated porous hollow carbon nanofibers: fabrication, characterization, and NOx gas sensors at room temperature. Journal of Materials Chemistry, 2012, 22, 24814.	6.7	35
42	MnO nanorods coated by Co-decorated N-doped carbon as anodes for high performance lithium ion batteries. Applied Surface Science, 2020, 504, 144479.	3.1	34
43	SnS2 nanodots decorated on RGO sheets with enhanced pseudocapacitive performance for asymmetric supercapacitors. Journal of Alloys and Compounds, 2021, 853, 156903.	2.8	34
44	Dispersive NiCoP/LDO heterostructure nanosheets scattered by CNTs enabling high-performance electrochemical energy storage. Chemical Engineering Journal, 2022, 429, 132482.	6.6	33
45	Highly entangled carbon nanoflakes on Li₃V₂(PO₄)₃microrods for improved lithium storage performance. RSC Advances, 2013, 3, 1297-1301.	1.7	32
46	Hollow CoP spheres assembled from porous nanosheets as high-rate and ultra-stable electrodes for advanced supercapacitors. Journal of Materials Chemistry A, 2021, 9, 26226-26235.	5.2	31
47	Urchin-like NiCo₂O₄ nanoneedles grown on mesocarbon microbeads with synergistic electrochemical properties as electrodes for symmetric supercapacitors. Dalton Transactions, 2017, 46, 9457-9465.	1.6	30
48	Carbon-coated MoO₂ nanoclusters anchored on RGO sheets as high-performance electrodes for symmetric supercapacitors. Dalton Transactions, 2019, 48, 285-295.	1.6	28
49	TiO2-modified red phosphorus nanosheets entangled in carbon nanotubes for high performance lithium ion batteries. Electrochimica Acta, 2019, 297, 319-327.	2.6	26
50	Synergistic effects of B/S co-doped spongy-like hierarchically porous carbon for a high performance zinc-ion hybrid capacitor. Nanoscale, 2022, 14, 2004-2012.	2.8	21
51	Stable 4 V-class bicontinuous cathodes by hierarchically porous carbon coating on Li₃V₂(PO₄)₃nanospheres. Nanoscale, 2014, 6, 12426-12433.	2.8	20
52	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
53	Reduced graphene oxide-modified NiCo-phosphates on Ni foam enabling high areal capacitances for asymmetric supercapacitors. Journal of Materials Science and Technology, 2021, 90, 255-263.	5.6	20
54	A hollow Co₉S₈rodâ€“acidified CNTâ€“NiCoLDH composite providing excellent electrochemical performance in asymmetric supercapacitors. Dalton Transactions, 2021, 50, 9283-9292.	1.6	19

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55	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. Science in China Series D: Earth Sciences, 2003, 46, 919-927.	0.9	17
56	Hollow Bimetallic Phosphosulfide NiCoâ€“P/S Nanoparticles in a CNT/rGO Framework with Interface Charge Redistribution for Battery-Type Supercapacitors. ACS Applied Energy Materials, 2022, 5, 685-696.	2.5	17
57	CTAB-modified Ni2P@ACNT composite with enhanced supercapacitive and lithium/sodium storage performance. Journal of Electroanalytical Chemistry, 2020, 873, 114441.	1.9	16
58	Enhanced pseudocapacitive energy storage properties of budding-branch like MoO₂@C/CNT nanorods. Dalton Transactions, 2020, 49, 1637-1645.	1.6	14
59	RGO wrapped tungsten trioxide hydrate on CNT-modified carbon Cloth as self-supported high-rate lithium-ion battery electrode. Electrochimica Acta, 2021, 394, 139162.	2.6	14
60	Three-dimensional macroporous graphene monoliths with entrapped MoS₂nanoflakes from single-step synthesis for high-performance sodium-ion batteries. RSC Advances, 2018, 8, 2477-2484.	1.7	13
61	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
62	Construction of Snâ€“Pâ€“graphene microstructure with Snâ€“C and Pâ€“C co-bonding as anodes for lithium-ion batteries. Chemical Communications, 2020, 56, 10572-10575.	2.2	13
63	Zincâ€ion Hybrid Capacitor with High Energy Density Constructed by Bamboo Shavings Derived Spongyâ€like Porous Carbon. ChemistrySelect, 2021, 6, 6937-6943.	0.7	12
64	Grain size modulation on BaTiO3 nanoparticles synthesized at room temperature. Journal of Solid State Chemistry, 2011, 184, 2690-2694.	1.4	10
65	Mn3O4 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
66	Sn-Decorated red P entangled in CNTs as anodes for advanced lithium ion batteries. Dalton Transactions, 2020, 49, 10909-10917.	1.6	8
67	RGO-loaded double phase Mo-doped NiS for enhanced battery-type energy storage in hybrid supercapacitors. Electrochimica Acta, 2022, 426, 140810.	2.6	8
68	Slurry Synthesis of Bismuth Sodium Titanate with a Transient Aurivilliusâ€Type Structure. Journal of the American Ceramic Society, 2010, 93, 1044-1048.	1.9	7
69	Study on lithium storage performance of plum-putting-like CoP nanoparticles embedded in N, P co-doped porous carbon. Journal of Colloid and Interface Science, 2022, 624, 14-23.	5.0	7
70	Stoichiometry of BaTiO3 nanoparticles. Journal of Nanoparticle Research, 2010, 12, 2605-2609.	0.8	6
71	Porous Moâ€“C coverage on ZnO rods for enhanced supercapacitive performance. Dalton Transactions, 2020, 49, 5134-5142.	1.6	6
72	Metal Phosphides as Promising Electrode Materials for Alkali Metal Ion Batteries and Supercapacitors: A Review. Advanced Sustainable Systems, 2022, 6, .	2.7	6

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73	Application of NiCoP/NiCo2N designed by heterogeneous interface engineering in low-temperature flexible supercapacitors. Journal of Energy Storage, 2022, 54, 105302.	3.9	6
74	Synthesis and characterization of Bi1/2Na1/2TiO3 nanopowders by pyrogenation-with-sugar-protection method. Materials Chemistry and Physics, 2009, 113, 329-333.	2.0	5
75	Low-temperature synthesis and analysis of barium titanate nanoparticles with excess barium. Advanced Powder Technology, 2011, 22, 401-404.	2.0	5
76	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
77	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
78	Mixed-metal MOF-derived Coâ€"Mnâ€"O hollow spheres as anodes for lithium storage. Materials Today Energy, 2021, 21, 100825.	2.5	3
79	Excess titanium in barium titanate nanoparticles directly synthesized from solution. Journal of Physics and Chemistry of Solids, 2010, 71, 1676-1679.	1.9	1