Chen Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2848702/publications.pdf

Version: 2024-02-01

73	4,387	109321 35	106344 65
papers	citations	h-index	g-index

76	76	76	4845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemically Crosslinked Hydrogel Film Leads to Integrated Flexible Supercapacitors with Superior Performance. Advanced Materials, 2015, 27, 7451-7457.	21.0	386
2	Flexible Solidâ€State Supercapacitors with Enhanced Performance from Hierarchically Graphene Nanocomposite Electrodes and Ionic Liquid Incorporated Gel Polymer Electrolyte. Advanced Functional Materials, 2018, 28, 1704463.	14.9	239
3	Recent advances in porous graphene materials for supercapacitor applications. RSC Advances, 2014, 4, 45862-45884.	3.6	213
4	Binder-free 2D titanium carbide (MXene)/carbon nanotube composites for high-performance lithium-ion capacitors. Nanoscale, 2018, 10, 5906-5913.	5.6	212
5	Scalable Selfâ€Propagating Highâ€Temperature Synthesis of Graphene for Supercapacitors with Superior Power Density and Cyclic Stability. Advanced Materials, 2017, 29, 1604690.	21.0	186
6	High-Performance Cable-Type Flexible Rechargeable Zn Battery Based on MnO₂@CNT Fiber Microelectrode. ACS Applied Materials & Interfaces, 2018, 10, 24573-24582.	8.0	174
7	Cationic intermediates assisted self-assembly two-dimensional Ti3C2T /rGO hybrid nanoflakes for advanced lithium-ion capacitors. Science Bulletin, 2021, 66, 914-924.	9.0	161
8	High Performance Lithium-Ion Hybrid Capacitors Employing Fe₃O₄â€“Graphene Composite Anode and Activated Carbon Cathode. ACS Applied Materials & Interfaces, 2017, 9, 17136-17144.	8.0	152
9	Electrochemical performances and capacity fading behaviors of activated carbon/hard carbon lithium ion capacitor. Electrochimica Acta, 2017, 235, 158-166.	5.2	134
10	Scalable combustion synthesis of graphene-welded activated carbon for high-performance supercapacitors. Chemical Engineering Journal, 2021, 414, 128781.	12.7	134
11	Flexible solid-state supercapacitors based on a conducting polymer hydrogel with enhanced electrochemical performance. Journal of Materials Chemistry A, 2014, 2, 19726-19732.	10.3	132
12	Recent advances in prelithiation materials and approaches for lithium-ion batteries and capacitors. Energy Storage Materials, 2020, 32, 497-516.	18.0	125
13	High-efficiency sacrificial prelithiation of lithium-ion capacitors with superior energy-storage performance. Energy Storage Materials, 2020, 24, 160-166.	18.0	124
14	Tetrabutylammoniumâ€Intercalated 1Tâ€MoS₂ Nanosheets with Expanded Interlayer Spacing Vertically Coupled on 2D Delaminated MXene for Highâ€Performance Lithiumâ€Ion Capacitors. Advanced Functional Materials, 2021, 31, 2104286.	14.9	106
15	High-power and long-life lithium-ion capacitors constructed from N-doped hierarchical carbon nanolayer cathode and mesoporous graphene anode. Carbon, 2018, 140, 237-248.	10.3	102
16	Rational design of nano-architecture composite hydrogel electrode towards high performance Zn-ion hybrid cell. Nanoscale, 2018, 10, 13083-13091.	5.6	101
17	Recent advances in carbon nanostructures prepared from carbon dioxide for high-performance supercapacitors. Journal of Energy Chemistry, 2021, 54, 352-367.	12.9	97
18	High-power lithium-ion hybrid supercapacitor enabled by holey carbon nanolayers with targeted porosity. Journal of Power Sources, 2018, 400, 468-477.	7.8	93

#	Article	IF	Citations
19	Strategies to Boost Ionic Conductivity and Interface Compatibility of Inorganic - Organic Solid Composite Electrolytes. Energy Storage Materials, 2021, 36, 291-308.	18.0	82
20	Effect of pH on cellulase production and morphology of Trichoderma reesei and the application in cellulosic material hydrolysis. Journal of Biotechnology, 2013, 168, 470-477.	3.8	80
21	A general route for the mass production of graphene-enhanced carbon composites toward practical pouch lithium-ion capacitors. Journal of Materials Chemistry A, 2021, 9, 15654-15664.	10.3	69
22	High-Performance Lithium-Ion Capacitors Based on CoO-Graphene Composite Anode and Holey Carbon Nanolayer Cathode. ACS Sustainable Chemistry and Engineering, 2019, 7, 11275-11283.	6.7	65
23	Comparative performance of birnessite-type MnO2 nanoplates and octahedral molecular sieve (OMS-5) nanobelts of manganese dioxide as electrode materials for supercapacitor application. Electrochimica Acta, 2014, 132, 315-322.	5.2	61
24	A 29.3â€¯Wh kgâ^'1 and 6â€¯kWâ€¯kgâ^'1 pouch-type lithium-ion capacitor based on SiOx/graphite composite anode. Journal of Power Sources, 2019, 414, 293-301.	7.8	61
25	Self-generating graphene and porous nanocarbon composites for capacitive energy storage. Journal of Materials Chemistry A, 2015, 3, 11277-11286.	10.3	58
26	Scalable Production of Wearable Solidâ€State Liâ€Ion Capacitors from Nâ€Doped Hierarchical Carbon. Advanced Materials, 2020, 32, e2005531.	21.0	57
27	Accordion-like titanium carbide (MXene) with high crystallinity as fast intercalative anode for high-rate lithium-ion capacitors. Chinese Chemical Letters, 2020, 31, 1009-1013.	9.0	54
28	Recent Advances in MXenes for Lithium-Ion Capacitors. ACS Omega, 2020, 5, 75-82.	3.5	53
29	2D Graphene/MnO Heterostructure with Strongly Stable Interface Enabling Highâ€Performance Flexible Solidâ€State Lithiumâ€Ion Capacitors. Advanced Functional Materials, 2022, 32, .	14.9	50
30	Three dimensional graphene networks for supercapacitor electrode materials. New Carbon Materials, 2015, 30, 193-206.	6.1	49
31	Electrochemical impedance spectroscopy study of lithium-ion capacitors: Modeling and capacity fading mechanism. Journal of Power Sources, 2021, 488, 229454.	7.8	47
32	Recent advances in transition metal chalcogenides for lithium-ion capacitors. Rare Metals, 2022, 41, 2971-2984.	7.1	46
33	Structural evolution of mesoporous graphene/LiNi1/3Co1/3Mn1/3O2 composite cathode for Liâ€“ion battery. Rare Metals, 2021, 40, 521-528.	7.1	43
34	Microwave-assisted rapid synthesis of birnessite-type MnO2 nanoparticles for high performance supercapacitor applications. Materials Research Bulletin, 2015, 71, 111-115.	5.2	40
35	Boosting solid-state flexible supercapacitors by employing tailored hierarchical carbon electrodes and a high-voltage organic gel electrolyte. Journal of Materials Chemistry A, 2018, 6, 24979-24987.	10.3	39
36	Recent progress of graphene-based materials in lithium-ion capacitors. Journal Physics D: Applied Physics, 2019, 52, 143001.	2.8	36

#	Article	IF	Citations
37	Graphene and maghemite composites based supercapacitors delivering high volumetric capacitance and extraordinary cycling stability. Electrochimica Acta, 2015, 156, 70-76.	5.2	33
38	Recent Advances on Carbonâ€Based Materials for High Performance Lithiumâ€Ion Capacitors. Batteries and Supercaps, 2021, 4, 407-428.	4.7	31
39	Carbon-coated Li3VO4 with optimized structure as high capacity anode material for lithium-ion capacitors. Chinese Chemical Letters, 2020, 31, 2225-2229.	9.0	29
40	Nitrogen-enriched graphene framework from a large-scale magnesiothermic conversion of CO2 with synergistic kinetics for high-power lithium-ion capacitors. NPG Asia Materials, 2021, 13, .	7.9	29
41	Effects of carbon black on the electrochemical performances of SiO anode for lithium-ion capacitors. Journal of Power Sources, 2021, 499, 229936.	7.8	25
42	A safe, low-cost and high-efficiency presodiation strategy for pouch-type sodium-ion capacitors with high energy density. Journal of Energy Chemistry, 2022, 64, 442-450.	12.9	24
43	Rapid Ion Transport Induced by the Enhanced Interaction in Composite Polymer Electrolyte for All-Solid-State Lithium-Metal Batteries. Journal of Physical Chemistry Letters, 2021, 12, 10603-10609.	4.6	23
44	Equivalent circuit models and parameter identification methods for lithium-ion capacitors. Journal of Energy Storage, 2019, 24, 100762.	8.1	22
45	High-performance solid-state Zn batteries based on a free-standing organic cathode and metal Zn anode with an ordered nano-architecture. Nanoscale Advances, 2020, 2, 296-303.	4.6	21
46	Improvement of the high-rate capability of LiNi 1/3 Co 1/3 Mn 1/3 O 2 cathode by adding highly electroconductive and mesoporous graphene. Journal of Alloys and Compounds, 2018, 758, 206-213.	5.5	20
47	An Underwater Image Enhancement Method for Different Illumination Conditions Based on Color Tone Correction and Fusion-Based Descattering. Sensors, 2019, 19, 5567.	3.8	19
48	Capillary zone electrophoresis for separation and analysis of four diarylheptanoids and an Î±-tetralone derivative in the green walnut husks (Juglans regia L.). Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 749-753.	2.8	18
49	Metabolomic analysis revealed glycylglycine accumulation in astrocytes after methionine enkephalin administration exhibiting neuron protective effects. Journal of Pharmaceutical and Biomedical Analysis, 2015, 115, 48-54.	2.8	18
50	Nanophase Iron Particles Derived From Fayalitic Olivine Decomposition in Chang'Eâ€5 Lunar Soil: Implications for Thermal Effects During Impacts. Geophysical Research Letters, 2022, 49, .	4.0	17
51	Nâ€doping Hierarchical Porosity Carbon from Biowaste for Highâ€Rate Supercapacitive Application. ChemistrySelect, 2017, 2, 6194-6199.	1.5	16
52	Duckweed (Lemna minor) is a novel natural inducer of cellulase production in Trichoderma reesei. Journal of Bioscience and Bioengineering, 2019, 127, 486-491.	2.2	16
53	Anomalous diffusion models in frequency-domain characterization of lithium-ion capacitors. Journal of Power Sources, 2021, 490, 229332.	7.8	15
54	Dandelion-like cobalt hydroxide nanostructures: morphological evolution, soft template effect and supercapacitive application. RSC Advances, 2014, 4, 59603-59613.	3.6	14

#	Article	IF	Citations
55	Tailoring the critical current properties in Cu-sheathed Sr_{1â”x}K_xFe₂As₂superconducting tapes. Superconductor Science and Technology, 2016, 29, 095006.	3.5	14
56	A presodiation strategy with high efficiency by utilizing low-price and eco-friendly Na2CO3 as the sacrificial salt towards high-performance pouch sodium-ion capacitors. Journal of Power Sources, 2021, 515, 230628.	7.8	13
57	An Improved LC-DAD Method for Simultaneous Determination of Lutein, Î²-Carotene and Lycopene in Tomato and Its Products. Chromatographia, 2010, 71, 331-334.	1.3	11
58	Microwave-assisted synthesis of 3D flowerlike Î±-Ni(OH)2 nanostructures for supercapacitor application. Science China Technological Sciences, 2015, 58, 1871-1876.	4.0	11
59	Soft template-assisted synthesis of single crystalline Î²-cobalt hydroxide with distinct morphologies. CrystEngComm, 2014, 16, 7478.	2.6	10
60	Improved Transport J c in MgB2 Tapes by Graphene Doping. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2699-2705.	1.8	10
61	Microstructure and superconducting properties of nanocarbon-doped internal Mg diffusion-processed MgB2wires fabricated using different boron powders. Superconductor Science and Technology, 2016, 29, 045009.	3.5	9
62	Deoxygenated porous carbon with highly stable electrochemical reaction interface for practical high-performance lithium-ion capacitors. Journal Physics D: Applied Physics, 2022, 55, 045501.	2.8	9
63	Design of a fast-charge lithium-ion capacitor pack for automated guided vehicle. Journal of Energy Storage, 2022, 48, 104045.	8.1	8
64	Simple and Effective Preparation of Zwitterionic Antiâ€Fouling Poly(vinylidene fluoride) Ultrafiltration Membrane by In Situ Crossâ€Linking Polymerization Technology. ChemistrySelect, 2020, 5, 7984-7989.	1.5	7
65	Model-Based Underwater Image Simulation and Learning-Based Underwater Image Enhancement Method. Information (Switzerland), 2022, 13, 187.	2.9	7
66	Facile fabrication of nanostructured NiCo₂O₄ supported on Ni foam for high performance electrochemical energy storage. RSC Advances, 2015, 5, 80620-80624.	3.6	6
67	Transport properties of ultrathin BaFe_{1.84}Co_{0.16}As₂superconducting nanowires. Superconductor Science and Technology, 2018, 31, 025002.	3.5	6
68	Magnesiothermic sequestration of CO2 into carbon nanomaterials for electrochemical energy storage: A mini review. Electrochemistry Communications, 2021, 130, 107109.	4.7	5
69	Effect of Coolant Crossflow on Film Cooling Effectiveness of Diffusion Slot Hole With and Without Ribs. Journal of Turbomachinery, 2022, 144, .	1.7	5
70	Dimerization of 1â€butene via zirconiumâ€based Zieglerâ€“Natta catalyst. Catalysis Letters, 2000, 64, 147-150.	2.6	2
71	Analysis of Three Flavonoids in Oxytropis kansuensis Bunge by RP-LCâ€“DAD Coupled with Weighted Least-Squares Linear Regression. Chromatographia, 2008, 68, 773-779.	1.3	2
72	The Motion Planets Detection and Tracking Algorithm Based on Gestalt Principle. Chinese Journal of Electronics, 2018, 27, 808-812.	1.5	1

#	Article	IF	Citations
73	The Color Improvement of Underwater Images Based on Light Source and Detector. Sensors, 2022, 22, 692.	3.8	0