

Chen Li

List of Publications by Year in descending order

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73
papers

4,387
citations

109264

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106281

65
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all docs

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docs citations

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times ranked

4845
citing authors

#	ARTICLE	IF	CITATIONS
1	A safe, low-cost and high-efficiency presodiation strategy for pouch-type sodium-ion capacitors with high energy density. <i>Journal of Energy Chemistry</i> , 2022, 64, 442-450.	7.1	24
2	Deoxygenated porous carbon with highly stable electrochemical reaction interface for practical high-performance lithium-ion capacitors. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 045501.	1.3	9
3	The Color Improvement of Underwater Images Based on Light Source and Detector. <i>Sensors</i> , 2022, 22, 692.	2.1	0
4	Design of a fast-charge lithium-ion capacitor pack for automated guided vehicle. <i>Journal of Energy Storage</i> , 2022, 48, 104045.	3.9	8
5	Nanophase Iron Particles Derived From Fayalitic Olivine Decomposition in Chang'E-5 Lunar Soil: Implications for Thermal Effects During Impacts. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	17
6	Effect of Coolant Crossflow on Film Cooling Effectiveness of Diffusion Slot Hole With and Without Ribs. <i>Journal of Turbomachinery</i> , 2022, 144, .	0.9	5
7	Model-Based Underwater Image Simulation and Learning-Based Underwater Image Enhancement Method. <i>Information (Switzerland)</i> , 2022, 13, 187.	1.7	7
8	2D Graphene/MnO Heterostructure with Strongly Stable Interface Enabling High-Performance Flexible Solid-State Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	50
9	Recent advances in transition metal chalcogenides for lithium-ion capacitors. <i>Rare Metals</i> , 2022, 41, 2971-2984.	3.6	46
10	Structural evolution of mesoporous graphene/LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ composite cathode for Li-ion battery. <i>Rare Metals</i> , 2021, 40, 521-528.	3.6	43
11	Recent advances in carbon nanostructures prepared from carbon dioxide for high-performance supercapacitors. <i>Journal of Energy Chemistry</i> , 2021, 54, 352-367.	7.1	97
12	Recent Advances on Carbon-Based Materials for High Performance Lithium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2021, 4, 407-428.	2.4	31
13	A general route for the mass production of graphene-enhanced carbon composites toward practical pouch lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15654-15664.	5.2	69
14	Electrochemical impedance spectroscopy study of lithium-ion capacitors: Modeling and capacity fading mechanism. <i>Journal of Power Sources</i> , 2021, 488, 229454.	4.0	47
15	Anomalous diffusion models in frequency-domain characterization of lithium-ion capacitors. <i>Journal of Power Sources</i> , 2021, 490, 229332.	4.0	15
16	Strategies to Boost Ionic Conductivity and Interface Compatibility of Inorganic - Organic Solid Composite Electrolytes. <i>Energy Storage Materials</i> , 2021, 36, 291-308.	9.5	82
17	Cationic intermediates assisted self-assembly two-dimensional Ti ₃ C ₂ T _x /rGO hybrid nanoflakes for advanced lithium-ion capacitors. <i>Science Bulletin</i> , 2021, 66, 914-924.	4.3	161
18	Scalable combustion synthesis of graphene-welded activated carbon for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 414, 128781.	6.6	134

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19	Tetrabutylammonium-Intercalated 1T-MoS ₂ Nanosheets with Expanded Interlayer Spacing Vertically Coupled on 2D Delaminated MXene for High-Performance Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2104286.	7.8	106
20	Effects of carbon black on the electrochemical performances of SiO anode for lithium-ion capacitors. <i>Journal of Power Sources</i> , 2021, 499, 229936.	4.0	25
21	Nitrogen-enriched graphene framework from a large-scale magnesiothermic conversion of CO ₂ with synergistic kinetics for high-power lithium-ion capacitors. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	29
22	Magnesiothermic sequestration of CO ₂ into carbon nanomaterials for electrochemical energy storage: A mini review. <i>Electrochemistry Communications</i> , 2021, 130, 107109.	2.3	5
23	Rapid Ion Transport Induced by the Enhanced Interaction in Composite Polymer Electrolyte for All-Solid-State Lithium-Metal Batteries. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10603-10609.	2.1	23
24	A presodiation strategy with high efficiency by utilizing low-price and eco-friendly Na ₂ CO ₃ as the sacrificial salt towards high-performance pouch sodium-ion capacitors. <i>Journal of Power Sources</i> , 2021, 515, 230628.	4.0	13
25	High-efficiency sacrificial prelithiation of lithium-ion capacitors with superior energy-storage performance. <i>Energy Storage Materials</i> , 2020, 24, 160-166.	9.5	124
26	Accordion-like titanium carbide (MXene) with high crystallinity as fast intercalative anode for high-rate lithium-ion capacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 1009-1013.	4.8	54
27	Carbon-coated Li ₃ VO ₄ with optimized structure as high capacity anode material for lithium-ion capacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 2225-2229.	4.8	29
28	High-performance solid-state Zn batteries based on a free-standing organic cathode and metal Zn anode with an ordered nano-architecture. <i>Nanoscale Advances</i> , 2020, 2, 296-303.	2.2	21
29	Recent Advances in MXenes for Lithium-Ion Capacitors. <i>ACS Omega</i> , 2020, 5, 75-82.	1.6	53
30	Scalable Production of Wearable Solid-State Li-Ion Capacitors from N-Doped Hierarchical Carbon. <i>Advanced Materials</i> , 2020, 32, e2005531.	11.1	57
31	Simple and Effective Preparation of Zwitterionic Anti-Fouling Poly(vinylidene fluoride) Ultrafiltration Membrane by In Situ Cross-Linking Polymerization Technology. <i>ChemistrySelect</i> , 2020, 5, 7984-7989.	0.7	7
32	Recent advances in prelithiation materials and approaches for lithium-ion batteries and capacitors. <i>Energy Storage Materials</i> , 2020, 32, 497-516.	9.5	125
33	High-Performance Lithium-Ion Capacitors Based on CoO-Graphene Composite Anode and Holey Carbon Nanolayer Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11275-11283.	3.2	65
34	Equivalent circuit models and parameter identification methods for lithium-ion capacitors. <i>Journal of Energy Storage</i> , 2019, 24, 100762.	3.9	22
35	An Underwater Image Enhancement Method for Different Illumination Conditions Based on Color Tone Correction and Fusion-Based Descattering. <i>Sensors</i> , 2019, 19, 5567.	2.1	19
36	Recent progress of graphene-based materials in lithium-ion capacitors. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 143001.	1.3	36

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37	A 29.3â€“Wh kg ⁻¹ and 6â€“kWhâ€“kg ⁻¹ pouch-type lithium-ion capacitor based on SiOx/graphite composite anode. Journal of Power Sources, 2019, 414, 293-301.	4.0	61
38	Duckweed (Lemna minor) is a novel natural inducer of cellulase production in Trichoderma reesei. Journal of Bioscience and Bioengineering, 2019, 127, 486-491.	1.1	16
39	Binder-free 2D titanium carbide (MXene)/carbon nanotube composites for high-performance lithium-ion capacitors. Nanoscale, 2018, 10, 5906-5913.	2.8	212
40	Transport properties of ultrathin BaFe _{1.84} Co _{0.16} As ₂ superconducting nanowires. Superconductor Science and Technology, 2018, 31, 025002.	1.8	6
41	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.	7.8	239
42	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.	5.2	39
43	The Motion Planets Detection and Tracking Algorithm Based on Gestalt Principle. Chinese Journal of Electronics, 2018, 27, 808-812.	0.7	1
44	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.	2.8	20
45	High-Performance Cable-Type Flexible Rechargeable Zn Battery Based on MnO ₂ @CNT Fiber Microelectrode. ACS Applied Materials & Interfaces, 2018, 10, 24573-24582.	4.0	174
46	High-power lithium-ion hybrid supercapacitor enabled by holey carbon nanolayers with targeted porosity. Journal of Power Sources, 2018, 400, 468-477.	4.0	93
47	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.	5.4	102
48	Rational design of nano-architecture composite hydrogel electrode towards high performance Zn-ion hybrid cell. Nanoscale, 2018, 10, 13083-13091.	2.8	101
49	High Performance Lithium-Ion Hybrid Capacitors Employing Fe ₃ O ₄ â€“Graphene Composite Anode and Activated Carbon Cathode. ACS Applied Materials & Interfaces, 2017, 9, 17136-17144.	4.0	152
50	Electrochemical performances and capacity fading behaviors of activated carbon/hard carbon lithium ion capacitor. Electrochimica Acta, 2017, 235, 158-166.	2.6	134
51	Scalable Selfâ€“Propagating Highâ€“Temperature Synthesis of Graphene for Supercapacitors with Superior Power Density and Cyclic Stability. Advanced Materials, 2017, 29, 1604690.	11.1	186
52	Nâ€“doping Hierarchical Porosity Carbon from Biowaste for Highâ€“Rate Supercapacitive Application. ChemistrySelect, 2017, 2, 6194-6199.	0.7	16
53	Microstructure and superconducting properties of nanocarbon-doped internal Mg diffusion-processed MgB ₂ wires fabricated using different boron powders. Superconductor Science and Technology, 2016, 29, 045009.	1.8	9
54	Tailoring the critical current properties in Cu-sheathed Sr _{1-x} K _x Fe ₂ As ₂ superconducting tapes. Superconductor Science and Technology, 2016, 29, 095006.	1.8	14

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55	Chemically Crosslinked Hydrogel Film Leads to Integrated Flexible Supercapacitors with Superior Performance. <i>Advanced Materials</i> , 2015, 27, 7451-7457.	11.1	386
56	Graphene and maghemite composites based supercapacitors delivering high volumetric capacitance and extraordinary cycling stability. <i>Electrochimica Acta</i> , 2015, 156, 70-76.	2.6	33
57	Microwave-assisted rapid synthesis of birnessite-type MnO ₂ nanoparticles for high performance supercapacitor applications. <i>Materials Research Bulletin</i> , 2015, 71, 111-115.	2.7	40
58	Metabolomic analysis revealed glycyglycine accumulation in astrocytes after methionine enkephalin administration exhibiting neuron protective effects. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 48-54.	1.4	18
59	Three dimensional graphene networks for supercapacitor electrode materials. <i>New Carbon Materials</i> , 2015, 30, 193-206.	2.9	49
60	Self-generating graphene and porous nanocarbon composites for capacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11277-11286.	5.2	58
61	Microwave-assisted synthesis of 3D flowerlike $\text{Ni}(\text{OH})_2$ nanostructures for supercapacitor application. <i>Science China Technological Sciences</i> , 2015, 58, 1871-1876.	2.0	11
62	Facile fabrication of nanostructured NiCo ₂ O ₄ supported on Ni foam for high performance electrochemical energy storage. <i>RSC Advances</i> , 2015, 5, 80620-80624.	1.7	6
63	Comparative performance of birnessite-type MnO ₂ nanoplates and octahedral molecular sieve (OMS-5) nanobelts of manganese dioxide as electrode materials for supercapacitor application. <i>Electrochimica Acta</i> , 2014, 132, 315-322.	2.6	61
64	Dandelion-like cobalt hydroxide nanostructures: morphological evolution, soft template effect and supercapacitive application. <i>RSC Advances</i> , 2014, 4, 59603-59613.	1.7	14
65	Flexible solid-state supercapacitors based on a conducting polymer hydrogel with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19726-19732.	5.2	132
66	Soft template-assisted synthesis of single crystalline $\text{Ni}(\text{OH})_2$ -cobalt hydroxide with distinct morphologies. <i>CrystEngComm</i> , 2014, 16, 7478.	1.3	10
67	Improved Transport J _c in MgB ₂ Tapes by Graphene Doping. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 2699-2705.	0.8	10
68	Recent advances in porous graphene materials for supercapacitor applications. <i>RSC Advances</i> , 2014, 4, 45862-45884.	1.7	213
69	Effect of pH on cellulase production and morphology of <i>Trichoderma reesei</i> and the application in cellulosic material hydrolysis. <i>Journal of Biotechnology</i> , 2013, 168, 470-477.	1.9	80
70	An Improved LC-DAD Method for Simultaneous Determination of Lutein, β -Carotene and Lycopene in Tomato and Its Products. <i>Chromatographia</i> , 2010, 71, 331-334.	0.7	11
71	Capillary zone electrophoresis for separation and analysis of four diarylheptanoids and an α -tetralone derivative in the green walnut husks (<i>Juglans regia</i> L.). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 749-753.	1.4	18
72	Analysis of Three Flavonoids in <i>Oxytropis kansuensis</i> Bunge by RP-LC-DAD Coupled with Weighted Least-Squares Linear Regression. <i>Chromatographia</i> , 2008, 68, 773-779.	0.7	2

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73	Dimerization of 1-butene via zirconium-based Ziegler-Natta catalyst. <i>Catalysis Letters</i> , 2000, 64, 147-150.	1.4	2