

Cheng Chen

List of Publications by Year in descending order

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34
papers

912
citations

516561

16
h-index

454834

30
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all docs

34
docs citations

34
times ranked

1317
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-dimensional hybrid flexible films promote uniform lithium deposition and mitigate volume change as lithium metal anodes. <i>Journal of Energy Chemistry</i> , 2022, 65, 583-591.	7.1	6
2	Zn-doping Effects of Na-rich $\text{Na}_{3+x}\text{V}_2-x\text{Zn}_x(\text{PO}_4)_3/\text{C}$ cathodes for Na-Ion Batteries: Lattice distortion induced by doping site and enhanced electrochemical performance. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 246-252.	5.0	7
3	Na-K liquid alloy: A review on wettability enhancement and ionic carrier selection mechanism. <i>Chinese Chemical Letters</i> , 2021, 32, 983-989.	4.8	8
4	Rational design and controllable synthesis of polymer aerogel-based single-atom catalysts with high loading. <i>Materials Advances</i> , 2021, 2, 6885-6900.	2.6	3
5	Dual-heterostructures decorated interweaved carbon nanofibers sulfur host for high performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021, 418, 129388.	6.6	27
6	A high specific surface area porous carbon skeleton derived from MOF for high-performance Lithium-ion capacitors. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 844, 012002.	0.2	1
7	Bimetallic composite induced ultra-stable solid electrolyte interphase for dendrite-free lithium metal anode. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 819-827.	5.0	15
8	An instantaneous metal organic framework to prepare ultra-high pore volume porous carbon for lithium ion capacitors. <i>Applied Surface Science</i> , 2021, 565, 150528.	3.1	9
9	High loading of NiFe active sites on a melamine formaldehyde carbon-based aerogel towards efficient bi-functional electrocatalysis for water splitting. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4973-4980.	2.5	4
10	Understanding of the Mechanism Enables Controllable Chemical Prelithiation of Anode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53996-54004.	4.0	12
11	Activation-free N-doped porous carbon to enhance surface-driven K storage vs intercalation dominated Na storage. <i>Applied Surface Science</i> , 2020, 506, 144909.	3.1	13
12	Zinc Oxide Quantum Dots Embedded Porous Carbon Nanosheets for High-Capacity and Ultrastable Lithium-Ion Battery Anodes. <i>Cell Reports Physical Science</i> , 2020, 1, 100186.	2.8	8
13	Communication—Phosphate $\text{K}(\text{Mo}_2\text{PO}_6)(\text{P}_2\text{O}_7)$ as a Novel Cathode Material for Potassium Ion Batteries: Structure and Electrochemical Properties. <i>Journal of the Electrochemical Society</i> , 2020, 167, 110517.	1.3	3
14	Effects of ester-based electrolyte composition and salt concentration on the Na-storage stability of hard carbon anodes. <i>Journal of Power Sources</i> , 2020, 471, 228455.	4.0	17
15	SnO ₂ nano-crystals anchored on N-doped porous carbon with enhanced lithium storage properties. <i>Applied Surface Science</i> , 2020, 515, 145902.	3.1	26
16	Excellent Electrochemical Performance of Potassium Ion Capacitor Achieved by a High Nitrogen Doped Activated Carbon. <i>Journal of the Electrochemical Society</i> , 2020, 167, 050506.	1.3	17
17	Controllable morphologies and electrochemical performances of self-assembled nano-honeycomb WS ₂ anodes modified by graphene doping for lithium and sodium ion batteries. <i>Carbon</i> , 2019, 142, 697-706.	5.4	76
18	Potassium Ion Storage: Direct Structure—Performance Comparison of All-Carbon Potassium and Sodium Ion Capacitors (<i>Adv. Sci.</i> 12/2019). <i>Advanced Science</i> , 2019, 6, 1970075.	5.6	3

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19	Cellulose-Hydrogel-Derived Self-Activated Carbon/SnO ₂ Nanocomposites for High-Performance Lithium Storage. ACS Applied Energy Materials, 2019, 2, 5171-5182.	2.5	29
20	Insights into pseudographite-structured hard carbon with stabilized performance for high energy K-ion storage. Journal of Power Sources, 2019, 444, 227310.	4.0	50
21	Optimized sulfur-loading in nitrogen-doped porous carbon for high-capacity cathode of lithium-sulfur batteries. Applied Surface Science, 2019, 487, 784-792.	3.1	29
22	Direct Structure-Performance Comparison of All-Carbon Potassium and Sodium Ion Capacitors. Advanced Science, 2019, 6, 1802272.	5.6	98
23	Hydrophilic binder interface interactions inducing inadhesion and capacity collapse in sodium-ion battery. Journal of Power Sources, 2019, 427, 62-69.	4.0	13
24	Effects of Different Atmosphere on Electrochemical Performance of Hard Carbon Electrode in Sodium Ion Battery. Electronic Materials Letters, 2019, 15, 428-436.	1.0	13
25	MOF-derived manganese monoxide nanosheet-assembled microflowers for enhanced lithium-ion storage. Nanoscale, 2019, 11, 10763-10773.	2.8	29
26	Tailored N-doped porous carbon nanocomposites through MOF self-assembling for Li/Na ion batteries. Journal of Colloid and Interface Science, 2019, 538, 267-276.	5.0	63
27	Uniform Co ₃ V ₂ O ₈ microspheres <i>via</i> controllable assembly for high-performance lithium-ion battery anodes. New Journal of Chemistry, 2018, 42, 4881-4886.	1.4	9
28	Systematic comparison of hollow and solid Co ₃ V ₂ O ₈ micro-pencils as advanced anode materials for lithium ion batteries. Electrochimica Acta, 2018, 264, 358-366.	2.6	49
29	Graphene Oxide-Template Controlled Cuboid-Shaped High-Capacity VS ₄ Nanoparticles as Anode for Sodium-Ion Batteries. Advanced Functional Materials, 2018, 28, 1801806.	7.8	125
30	High rate capability and long cycling life of graphene-coated silicon composite anodes for lithium ion batteries. Electrochimica Acta, 2017, 256, 259-266.	2.6	58
31	Graphene enhanced silicon/carbon composite as anode for high performance lithium-ion batteries. RSC Advances, 2017, 7, 48286-48293.	1.7	26
32	High Rate and Long Cycle Life of a CNT/rGO/Si Nanoparticle Composite Anode for Lithium-Ion Batteries. Particle and Particle Systems Characterization, 2017, 34, 1700141.	1.2	38
33	An in situ iodine-doped graphene/silicon composite paper as a highly conductive and self-supporting electrode for lithium-ion batteries. RSC Advances, 2017, 7, 38639-38646.	1.7	12
34	Facile and controllable synthesis of solid Co ₃ V ₂ O ₈ micro-pencils as a highly efficient anode for Li-ion batteries. RSC Advances, 2017, 7, 24418-24424.	1.7	16