Peng Ge

List of Publications by Year
in descending order

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57 papers	3,510 citations	159585 30 h-index	149698 56 g-index
57 all docs	57 docs citations	57 times ranked	3771 citing authors

#	Article	IF	Citations
1	Tailoring Rodâ€Like FeSe₂ Coated with Nitrogenâ€Doped Carbon for Highâ€Performance Sodium Storage. Advanced Functional Materials, 2018, 28, 1801765.	14.9	287
2	Carbon quantum dot micelles tailored hollow carbon anode for fast potassium and sodium storage. Nano Energy, 2019, 65, 104038.	16.0	250
3	Hierarchical Hollowâ€Microsphere Metalâ€“Selenide@Carbon Composites with Rational Surface Engineering for Advanced Sodium Storage. Advanced Energy Materials, 2019, 9, 1803035.	19.5	234
4	Anions induced evolution of Co3X4 (Xâ€¯=â€¯O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. Nano Energy, 2018, 48, 617-629.	16.0	227
5	Binding MoSe2 with carbon constrained in carbonous nanosphere towards high-capacity and ultrafast Li/Na-ion storage. Energy Storage Materials, 2018, 12, 310-323.	18.0	196
6	Yolkâ€“Shell-Structured Bismuth@N-Doped Carbon Anode for Lithium-Ion Battery with High Volumetric Capacity. ACS Applied Materials & Interfaces, 2019, 11, 10829-10840.	8.0	132
7	Ultrafast Sodium Full Batteries Derived from Xï£¿Fe (X = Co, Ni, Mn) Prussian Blue Analogs. Advanced Materials, 2019, 31, e1806092.	21.0	132
8	Metalâ€“Organic Frameworkâ€Derived Materials for Sodium Energy Storage. Small, 2018, 14, 1702648.	10.0	129
9	Three-Dimensional Hierarchical Framework Assembled by Cobblestone-Like CoSe₂@C Nanospheres for Ultrastable Sodium-Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 14716-14726.	8.0	116
10	Graphitic Carbon Quantum Dots Modified Nickel Cobalt Sulfide as Cathode Materials for Alkaline Aqueous Batteries. Nano-Micro Letters, 2020, 12, 16.	27.0	114
11	Multidimensional Evolution of Carbon Structures Underpinned by Temperatureâ€Induced Intermediate of Chloride for Sodiumâ€Ion Batteries. Advanced Science, 2018, 5, 1800080.	11.2	112
12	The advance of nickel-cobalt-sulfide as ultra-fast/high sodium storage materials: The influences of morphology structure, phase evolution and interface property. Energy Storage Materials, 2019, 16, 267-280.	18.0	107
13	Rodlike Sb₂Se₃ Wrapped with Carbon: The Exploring of Electrochemical Properties in Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 34979-34989.	8.0	100
14	N-rich carbon coated CoSnO₃derived fromin situconstruction of a Coâ€“MOF with enhanced sodium storage performance. Journal of Materials Chemistry A, 2018, 6, 4839-4847.	10.3	84
15	Preparation of S/N-codoped carbon nanosheets with tunable interlayer distance for high-rate sodium-ion batteries. Green Chemistry, 2017, 19, 4622-4632.	9.0	81
16	Engineering 1D chain-like architecture with conducting polymer towards ultra-fast and high-capacity energy storage by reinforced pseudo-capacitance. Nano Energy, 2018, 54, 26-38.	16.0	74
17	The electrochemical exploration of double carbon-wrapped Na3V2(PO4)3: Towards long-time cycling and superior rate sodium-ion battery cathode. Journal of Power Sources, 2017, 366, 249-258.	7.8	72
18	3D hollow porous carbon microspheres derived from Mn-MOFs and their electrochemical behavior for sodium storage. Journal of Materials Chemistry A, 2017, 5, 23550-23558.	10.3	69

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19	Electrochemically Exfoliated Phosphoreneâ€“Graphene Hybrid for Sodiumâ€ion Batteries. Small Methods, 2019, 3, 1800328.	8.6	66
20	Interfacial Bonding of Metalâ€Sulfides with Double Carbon for Improving Reversibility of Advanced Alkaliâ€ion Batteries. Advanced Functional Materials, 2020, 30, 1910599.	14.9	65
21	Enhanced stability of sodium storage exhibited by carbon coated Sb2S3 hollow spheres. Materials Chemistry and Physics, 2018, 203, 185-192.	4.0	61
22	Advanced MoSe₂/Carbon Electrodes in Li/Naâ€ions Batteries. Advanced Materials Interfaces, 2020, 7, 1901651.	3.7	57
23	Antimony Anchored with Nitrogen-Doping Porous Carbon as a High-Performance Anode Material for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 26118-26125.	8.0	55
24	Electrochemical Investigation of Natural Ore Molybdenite (MoS₂) as a First-Hand Anode for Lithium Storages. ACS Applied Materials & Interfaces, 2018, 10, 6378-6389.	8.0	52
25	Designing interfacial chemical bonds towards advanced metal-based energy-storage/conversion materials. Energy Storage Materials, 2020, 32, 477-496.	18.0	46
26	Dual Functions of Potassium Antimony(III)â€Tartrate in Tuning Antimony/Carbon Composites for Longâ€Life Naâ€ion Batteries. Advanced Functional Materials, 2018, 28, 1705744.	14.9	42
27	Engineering metal sulfides with hierarchical interfaces for advanced sodium-ion storage systems. Journal of Materials Chemistry A, 2020, 8, 5284-5297.	10.3	42
28	Hollow-sphere ZnSe wrapped around carbon particles as a cycle-stable and high-rate anode material for reversible Li-ion batteries. New Journal of Chemistry, 2017, 41, 6693-6699.	2.8	40
29	Microstructured Sulfur-Doped Carbon-Coated Fe₇S₈ Composite for High-Performance Lithium and Sodium Storage. ACS Sustainable Chemistry and Engineering, 2020, 8, 11783-11794.	6.7	38
30	Engineering the morphology/porosity of oxygen-doped carbon for sulfur host as lithium-sulfur batteries. Journal of Energy Chemistry, 2021, 60, 531-545.	12.9	38
31	Molecular-Level CuS@S Hybrid Nanosheets Constructed by Mineral Chemistry for Energy Storage Systems. ACS Applied Materials & Interfaces, 2018, 10, 43669-43681.	8.0	32
32	Designing Rational Interfacial Bonds for Hierarchical Mineralâ€Type Trogtalite with Double Carbon towards Ultraâ€Fast Sodiumâ€ions Storage Properties. Advanced Functional Materials, 2021, 31, 2100156.	14.9	31
33	Fe2O3 embedded in the nitrogen-doped carbon matrix with strong C-O-Fe oxygen-bridge bonds for enhanced sodium storages. Materials Chemistry and Physics, 2018, 216, 58-63.	4.0	29
34	Rare earth metal La-doped induced electrochemical evolution of LiV₃O₈ with an oxygen vacancy toward a high energy-storage capacity. Journal of Materials Chemistry A, 2021, 9, 1845-1858.	10.3	27
35	Bi₂MoO₆Microsphere with Double-Polyaniline Layers toward Ultrastable Lithium Energy Storage by Reinforced Structure. Inorganic Chemistry, 2019, 58, 6410-6421.	4.0	26
36	Engineering metal-sulfides with cations-tunable metal-oxides electrocatalysts with promoted catalytic conversion for robust ions-storage capability. Energy Storage Materials, 2022, 45, 1183-1200.	18.0	26

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37	High-rate sodium ion anodes assisted by N-doped carbon sheets. Sustainable Energy and Fuels, 2017, 1, 1130-1136.	4.9	23
38	Doped-Li1+V3O8 as cathode materials for lithium-ion batteries: A mini review. Electrochemistry Communications, 2020, 115, 106722.	4.7	20
39	Natural mineral compounds in energy-storage systems: Development, challenges, prospects. Energy Storage Materials, 2022, 45, 442-464.	18.0	20
40	Size-Tunable Natural Mineral-Molybdenite for Lithium-Ion Batteries Toward: Enhanced Storage Capacity and Quicken Ions Transferring. Frontiers in Chemistry, 2018, 6, 389.	3.6	19
41	Engineering Heterogeneous NiS₂/NiS Cocatalysts with Progressive Electron Transfer from Planar pâ€Si Photocathodes for Solar Hydrogen Evolution. Small Methods, 2021, 5, e2001018.	8.6	18
42	Carbon nanosheets from biomass waste: insights into the role of a controlled pore structure for energy storage. Sustainable Energy and Fuels, 2020, 4, 3552-3565.	4.9	15
43	Stabilization of LiV₃O₈ Rodâ€like Structure by Protective Mg₃(PO₄)₂Layer for Advanced Lithium Storage Cathodes. Energy Technology, 2018, 6, 2479-2487.	3.8	13
44	Modified bornite materials with high electrochemical performance for sodium and lithium storage. Energy Storage Materials, 2021, 40, 150-158.	18.0	13
45	Synergistic effect of cross-linked carbon nanosheet frameworks and Sb on the enhancement of sodium storage performances. New Journal of Chemistry, 2017, 41, 13724-13731.	2.8	12
46	Engineering hierarchical Sb₂S₃/Nâ€“C from natural minerals with stable phase-change towards all-climate energy storage. Journal of Materials Chemistry A, 2022, 10, 5488-5504.	10.3	12
47	Perovskite ABO₃â€Type MOFâ€Derived Carbon Decorated Fe₃O₄ with Enhanced Lithium Storage Performance. ChemElectroChem, 2018, 5, 3426-3436.	3.4	9
48	Advances on Nickel-Based Electrode Materials for Secondary Battery Systems: A Review. ACS Applied Energy Materials, 2022, 5, 9189-9213.	5.1	9
49	Unraveling the Mechanism of Chalcopyriteâ€™s Superior Performance for Lithium Storage. ACS Applied Energy Materials, 2021, 4, 5086-5093.	5.1	8
50	Tailoring MS_x Quantum Dots (M = Co, Ni, Cu, Zn) for Advanced Energy Storage Materials with Strong Interfacial Engineering. Small, 2022, 18, e2106593.	10.0	8
51	Recent Advances of Catalytic Effects in Cathode Materials for Roomâ€Temperature Sodiumâ€Sulfur Batteries. ChemPlusChem, 2021, 86, 1461-1471.	2.8	6
52	Coal-Based Electrodes for Energy Storage Systems: Development, Challenges, and Prospects. ACS Applied Energy Materials, 2022, 5, 7874-7888.	5.1	5
53	Flexible polytriphenylamine-based cathodes with reinforced energy-storage capacity for high-performance sodium-ion batteries. Science China Materials, 2022, 65, 32-42.	6.3	4
54	Tailoring Oxygen Site Defects of Vanadium-Based Materials through Bromine Anion Doping for Advanced Energy Storage. ACS Applied Energy Materials, 2021, 4, 10783-10798.	5.1	4

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55	Self-Assembly of NaOL-DDA Mixtures in Aqueous Solution: A Molecular Dynamics Simulation Study. Molecules, 2021, 26, 7117.	3.8	2
56	Rational Design of Nature Molybdenite with La₂O₃ Catalysts for Improved Energyâ€Storage Behaviors. Advanced Materials Interfaces, 2022, 9, .	3.7	1
57	Designing Strong Interface of Cubicâ€like Snâ€“Coâ€“S@carbon with SnO 2 as Catalyst for Enhanced Li/Naâ€Ion Storage Abilities. Advanced Materials Interfaces, 0, , 2102474.	3.7	0