

Huan-Huan Li

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,806
citations

236925

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276875

41
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docs citations

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times ranked

2919
citing authors

#	ARTICLE	IF	CITATIONS
1	Metastable Marcasite-FeS ₂ as a New Anode Material for Lithium Ion Batteries: CNFs-Improved Lithiation/Delithiation Reversibility and Li-Storage Properties. ACS Applied Materials & Interfaces, 2017, 9, 10708-10716.	8.0	122
2	Shale-like Co ₃ O ₄ for high performance lithium/sodium ion batteries. Journal of Materials Chemistry A, 2016, 4, 8242-8248.	10.3	108
3	Dual-Porosity SiO ₂ /C Nanocomposite with Enhanced Lithium Storage Performance. Journal of Physical Chemistry C, 2015, 119, 3495-3501.	3.1	105
4	The Effective Design of a Polysulfide-Trapped Separator at the Molecular Level for High Energy Density Li-S Batteries. ACS Applied Materials & Interfaces, 2016, 8, 16108-16115.	8.0	103
5	Myelin sheath structure and regeneration in peripheral nerve injury repair. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22347-22352.	7.1	82
6	Understanding the anchoring effect of Graphene, BN, C ₂ N and C ₃ N ₄ monolayers for lithium-polysulfides in Li-S batteries. Applied Surface Science, 2018, 434, 596-603.	6.1	78
7	Spatial confinement of vertical arrays of lithiophilic SnS ₂ nanosheets enables conformal Li nucleation/growth towards dendrite-free Li metal anode. Energy Storage Materials, 2021, 36, 504-513.	18.0	66
8	Nanoscale Polysulfides Reactors Achieved by Chemical Au-S Interaction: Improving the Performance of Li-S Batteries on the Electrode Level. ACS Applied Materials & Interfaces, 2015, 7, 27959-27967.	8.0	65
9	Target construction of ultrathin graphitic carbon encapsulated FeS hierarchical microspheres featuring superior low-temperature lithium/sodium storage properties. Journal of Materials Chemistry A, 2018, 6, 7997-8005.	10.3	62
10	Co ₃ O ₄ Nanospheres Embedded in a Nitrogen-Doped Carbon Framework: An Electrode with Fast Surface-Controlled Redox Kinetics for Lithium Storage. ACS Energy Letters, 2017, 2, 52-59.	17.4	61
11	A Novel Layered Sedimentary Rocks Structure of the Oxygen-Enriched Carbon for Ultrahigh-Rate-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 4233-4241.	8.0	58
12	Synergistic mediation of sulfur conversion in lithium-sulfur batteries by a Gerber tree-like interlayer with multiple components. Journal of Materials Chemistry A, 2017, 5, 11255-11262.	10.3	49
13	A vertical and cross-linked Ni(OH) ₂ network on cellulose-fiber covered with graphene as a binder-free electrode for advanced asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 19077-19084.	10.3	47
14	Assembly of MnCO ₃ nanoplatelets synthesized at low temperature on graphene to achieve anode materials with high rate performance for lithium-ion batteries. Electrochimica Acta, 2016, 215, 267-275.	5.2	43
15	Catalytic and Dual-Conductive Matrix Regulating the Kinetic Behaviors of Polysulfides in Flexible Li-S Batteries. Advanced Energy Materials, 2020, 10, 2001683.	19.5	42
16	Promoting sulphur conversion chemistry with tri-modal porous N, O-codoped carbon for stable Li-S batteries. Journal of Materials Chemistry A, 2021, 9, 5497-5506.	10.3	40
17	A novel approach to prepare Si/C nanocomposites with yolk-shell structures for lithium ion batteries. RSC Advances, 2014, 4, 36218-36225.	3.6	37
18	Porous Carbon with Willow-Leaf-Shaped Pores for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 42699-42707.	8.0	36

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19	Tailoring Coral-Like Fe ₇ Se ₈ @C for Superior Low-Temperature Li/Na-Ion Half/Full Batteries: Synthesis, Structure, and DFT Studies. ACS Applied Materials & Interfaces, 2019, 11, 47886-47893.	8.0	35
20	Pseudocapacitive sodium storage of Fe _{1-x} S@N-doped carbon for low-temperature operation. Science China Materials, 2020, 63, 505-515.	6.3	35
21	Synergistic mediation of polysulfide immobilization and conversion by a catalytic and dual-adsorptive system for high performance lithium-sulfur batteries. Chemical Engineering Journal, 2021, 406, 126802.	12.7	33
22	Fe ₃ O ₄ nanoflakes-RGO composites: A high rate anode material for lithium-ion batteries. Applied Surface Science, 2020, 511, 145465.	6.1	32
23	Colloidal synthesis of greigite nanoplates with controlled lateral size for electrochemical applications. Nanoscale, 2015, 7, 4171-4178.	5.6	31
24	Synergistic Design of Cathode Region for the High-Energy-Density Li-S Batteries. ACS Applied Materials & Interfaces, 2016, 8, 28689-28699.	8.0	29
25	Carbon-Free Porous Zn ₂ GeO ₄ Nanofibers as Advanced Anode Materials for High-Performance Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 31722-31728.	8.0	26
26	Fabrication of boron-doped porous carbon with termite nest shape via natural macromolecule and borax to obtain lithium-sulfur/sodium-ion batteries with improved rate performance. Electrochimica Acta, 2017, 244, 86-95.	5.2	26
27	2D Fe ₂ O ₃ nanosheets with bi-continuous pores inherited from Fe-MOF precursors: an advanced anode material for Li-ion half/full batteries. 2D Materials, 2019, 6, 045022.	4.4	23
28	Intrinsically zincophobic protective layer for dendrite-free zinc metal anode. Chinese Chemical Letters, 2022, 33, 2653-2657.	9.0	22
29	A plum-pudding like mesoporous SiO ₂ /flake graphite nanocomposite with superior rate performance for LIB anode materials. Physical Chemistry Chemical Physics, 2015, 17, 22893-22899.	2.8	21
30	Flexible paper electrodes constructed from Zn ₂ GeO ₄ nanofibers anchored with amorphous carbon for advanced lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 2055-2059.	10.3	21
31	Bayesian network approach to fault diagnosis of a hydroelectric generation system. Energy Science and Engineering, 2019, 7, 1669-1677.	4.0	21
32	Fabrication of functionalized polysulfide reservoirs from large graphene sheets to improve the electrochemical performance of lithium-sulfur batteries. Physical Chemistry Chemical Physics, 2015, 17, 23481-23488.	2.8	19
33	Layer-stacked Sb@graphene micro/nanocomposite with decent Na-storage, full-cell and low-temperature performances. Journal of Alloys and Compounds, 2018, 731, 881-888.	5.5	19
34	3D Hierarchical Microballs Constructed by Intertwined MnO@N-doped Carbon Nanofibers towards Superior Lithium Storage Properties. Chemistry - A European Journal, 2018, 24, 9606-9611.	3.3	18
35	MnO@N-C/flake graphite composite featuring bottom-top charge transfer channels and superior Li-storage performance at low-temperature. Journal of Alloys and Compounds, 2020, 848, 156571.	5.5	17
36	Observer-Based Adaptive Output Feedback Fault Tolerant Control for Nonlinear Hydro-Turbine Governing System with State Delay. Asian Journal of Control, 2020, 22, 192-203.	3.0	16

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37	Construction of electrical "highway" to significantly enhance the redox kinetics of normal hierarchical structured materials of MnO. Journal of Materials Chemistry A, 2018, 6, 1663-1670.	10.3	15
38	An <i>in situ</i> "Fabricated Composite Polymer Electrolyte Containing Large" Anion Lithium Salt for All"Solid" State LiFePO ₄ /Li Batteries. ChemElectroChem, 2017, 4, 2293-2299.	3.4	14
39	A hybrid shell material with mixed ion/electron conductivity used for high-performance Li"S batteries. Chemical Communications, 2019, 55, 1991-1994.	4.1	14
40	Bifunctional Separator Coated with Hexachlorocyclotriphosphazene/Reduced Graphene Oxide for Enhanced Performance of Lithium"Sulfur Batteries. Chemistry - A European Journal, 2018, 24, 13582-13588.	3.3	12
41	Micro/Nanoengineered "Fe ₂ O ₃ Nanoaggregate Conformably Enclosed by Ultrathin "Doped Carbon Shell for Ultrastable Lithium Storage and Insight into Phase Evolution Mechanism. Chemistry - A European Journal, 2020, 26, 853-862.	3.3	12
42	CO ₂ and Temperature Control over Nanoaggregates in Surfactant-Free Microemulsion. Langmuir, 2021, 37, 1983-1990.	3.5	12
43	Polypyrrole nanosphere embedded in wrinkled graphene layers to obtain cross-linking network for high performance supercapacitors. Electrochimica Acta, 2015, 184, 179-185.	5.2	9
44	Hierarchically" Porous Carbon Derived from a Large" Scale Iron" based Organometallic Complex for Versatile Energy Storage. ChemSusChem, 2016, 9, 1483-1489.	6.8	8
45	Micron-scaled MoS ₂ /N-C particles with embedded nano-MoS ₂ : A high-rate anode material for enhanced lithium storage. Applied Surface Science, 2019, 486, 519-526.	6.1	8
46	Fast"slow dynamic behaviors of a hydraulic generating system with multi-timescales. JVC/Journal of Vibration and Control, 2019, 25, 2863-2874.	2.6	7
47	Vibration Characteristics of a Hydroelectric Generating System During the Load Rejection Process. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	1.2	7
48	Li ₂ FePO ₄ F and its metal-doping for Li-ion batteries: an ab initio study. RSC Advances, 2014, 4, 50195-50201.	3.6	6
49	Decoy engineering of the receptor"like cytoplasmic kinase StPBS1 to defend against virus infection in potato. Molecular Plant Pathology, 2022, 23, 901-908.	4.2	6
50	Enhancing the Bidirectional Reaction Kinetics of Polysulfides by Mott"Schottky-like Electrocatalysts with Rich Heterointerfaces. ACS Sustainable Chemistry and Engineering, 2022, 10, 5092-5100.	6.7	6
51	Thiosalicylic Acid Modified Graphene Aerogel as Efficient Electrode Material for Ionic Liquid Electrolyte-Based Supercapacitors. Journal of Physical Chemistry C, 2022, 126, 9304-9312.	3.1	5
52	Target construction of Co ₃ O ₄ with an improved layer structure for highly efficient Li-storage properties. Inorganic Chemistry Frontiers, 2018, 5, 3135-3139.	6.0	4
53	Double Carbon Nano Coating of LiFePO ₄ Cathode Material for High Performance of Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2015, 15, 9630-9635.	0.9	3
54	Local bifurcation and continuation of a non"linear hydro"turbine governing system in a single"machine infinite"bus power system. IET Generation, Transmission and Distribution, 2020, 14, 3346-3355.	2.5	3

#	ARTICLE	IF	CITATIONS
55	Construction of Rich Conductive Pathways from Bottom to Top: A Highly Efficient Charge Transfer System Used in Durable Li/Na-ion Batteries at 20°C. Chemistry - A European Journal, 2020, 26, 13274-13281.	3.3	2
56	Low Frequency Oscillations in a Hydroelectric Generating System to the Variability of Wind and Solar Power. Water (Switzerland), 2021, 13, 1978.	2.7	2
57	Dynamical assessment of a PTGS with time delay. IET Renewable Power Generation, 2019, 13, 2594-2603.	3.1	2
58	Self-branched Nb ₂ O ₅ nanoarrays as electron-ion reservoirs to enhance the conversion of polysulfides in flexible Li-S batteries. Inorganic Chemistry Frontiers, 2021, 8, 4341-4348.	6.0	1