

Youguo Huang

List of Publications by Year in descending order

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44
papers

1,301
citations

516710

16
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361022

35
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all docs

44
docs citations

44
times ranked

1505
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency one-step microwave method for high-performance biomass-based hierarchical porous carbon. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3827-3837.	4.6	1
2	Toward Enhanced Electrochemical Performance by Investigation of the Electrochemical Reconstruction Mechanism in $\text{Co}_2\text{V}_2\text{O}_7$ Hexagonal Nanosheets for Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8106-8114.	8.0	9
3	Phosphorization-Introduced Defect-Rich Phosphorus-Doped Co_3O_4 with Propelling Adsorption-Catalysis Transformation of Polysulfide. <i>Energy & Fuels</i> , 2022, 36, 3339-3346.	5.1	5
4	Nickel Acetate-Assisted Graphitization of Porous Activated Carbon at Low Temperature for Supercapacitors With High Performances. <i>Frontiers in Chemistry</i> , 2022, 10, 828381.	3.6	1
5	Preparation of graphene/copper composites with a thiophenol molecular junction for thermal conduction application. <i>New Journal of Chemistry</i> , 2022, 46, 10107-10116.	2.8	3
6	Constructing Flexible All-Solid-State Supercapacitors from 3D Nanosheets Active Bricks via 3D Manufacturing Technology: A Perspective Review. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	33
7	Sr-Based Sub/Surface Integrated Layer and Bulk Doping to Enhance High-Voltage Cycling of a Ni-Rich Cathode Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7883-7895.	6.7	11
8	A green, efficient, closed-loop direct regeneration technology for reconstructing of the $\text{LiNi}_0.5\text{Co}_0.2\text{Mn}_0.3\text{O}_2$ cathode material from spent lithium-ion batteries. <i>Journal of Hazardous Materials</i> , 2021, 410, 124610.	12.4	72
9	Synergy ascension of SnS/MoS_2 binary metal sulfides on initial coulombic efficiency and stable capacity for lithium storage. <i>RSC Advances</i> , 2021, 11, 17332-17339.	3.6	6
10	Diatomite waste derived N-doped porous carbon for applications in the oxygen reduction reaction and supercapacitors. <i>Nanoscale Advances</i> , 2021, 3, 3860-3866.	4.6	4
11	Control of the interface graphitized/amorphous carbon of biomass-derived carbon microspheres for symmetric supercapacitors. <i>Nanoscale Advances</i> , 2021, 3, 4858-4865.	4.6	14
12	F co-doping behavior of LiFePO_4/C nanocomposites for high-rate lithium-ion batteries. <i>New Journal of Chemistry</i> , 2021, 45, 5695-5703.	2.8	18
13	Hierarchical $\text{Fe}_2\text{O}_3@/\text{MoS}_2/\text{C}$ Nanorods as Anode Materials for Sodium Ion Batteries with High Cycle Stability. <i>ACS Applied Energy Materials</i> , 2021, 4, 3757-3765.	5.1	12
14	Microwave-Assisted Preparation of Hierarchical N and O Co-Doped Corn-Cob-Derived Activated Carbon for a High-Performance Supercapacitor. <i>Energy & Fuels</i> , 2021, 35, 8334-8344.	5.1	19
15	Stabilized Cathode Interphase for Enhancing Electrochemical Performance of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ -Based Lithium-Ion Battery via <i>cis</i> -1,2,3,6-Tetrahydrophthalic Anhydride. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18314-18323.	8.0	21
16	Phase Compatible NiFe_2O_4 Coating Tunes Oxygen Redox in Li-Rich Layered Oxide. <i>ACS Nano</i> , 2021, 15, 11607-11618.	14.6	95
17	Bifunctional Surface Coating of $\text{LiAlO}_2/\text{Si}_3\text{N}_4/\text{Al}_2\text{O}_3$ Hybrid Layer on Ni-Rich Cathode Materials for High Performance Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8951-8961.	6.7	8
18	Boron and Nitrogen Co-doped Molybdenum Carbide Nanostructures for Oxygen Reduction Electrocatalysis. <i>ACS Applied Nano Materials</i> , 2021, 4, 8897-8905.	5.0	9

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19	Application of H ₄ P ₂ O ₇ as leaching acid in one-step selective recovery for metals from spent LiFePO ₄ batteries. <i>Ionics</i> , 2021, 27, 5127-5135.	2.4	10
20	Strongly Coupled MnO ₂ Nanosheets/Silver Nanoparticles Hierarchical Spheres for Efficient Oxygen Reduction Reaction Electrocatalysis. <i>Energy & Fuels</i> , 2021, 35, 16829-16836.	5.1	4
21	Phenylamine-Functionalized Graphene-Copper Composites with High Thermal Conductivity: Implications for Thermal Dissipation. <i>ACS Applied Nano Materials</i> , 2021, 4, 12170-12179.	5.0	4
22	Novel Bi, BiSn, Bi ₂ Sn, Bi ₃ Sn, and Bi ₄ Sn Catalysts for Efficient Electroreduction of CO ₂ to Formic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6806-6814.	3.7	32
23	Prepotassiated V ₂ O ₅ as the Cathode Material for High-Voltage Potassium-Ion Batteries. <i>Energy Technology</i> , 2020, 8, 1900796.	3.8	27
24	TiO ₂ Nanosheet-Redox Graphene Oxide/Sulphur Cathode for High-Performance Lithium-Sulphur Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 1715-1722.	0.9	1
25	Short-range amorphous carbon nanosheets for oxygen reduction electrocatalysis. <i>Nanoscale Advances</i> , 2020, 2, 5769-5776.	4.6	4
26	Constructing an interface synergistic effect from a SnS/MoS ₂ heterojunction decorating N, S co-doped carbon nanosheets with enhanced sodium ion storage performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22593-22600.	10.3	58
27	Stable surface construction of the Ni-rich LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ cathode material for high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21649-21660.	10.3	54
28	FeSe ₂ @C Microrods as a Superior Long-Life and High-Rate Anode for Sodium Ion Batteries. <i>ACS Nano</i> , 2020, 14, 17683-17692.	14.6	140
29	Interface-tuned Mo-based nanospheres for efficient oxygen reduction and hydrogen evolution catalysis. <i>Catalysis Science and Technology</i> , 2020, 10, 6713-6722.	4.1	1
30	Phosphorus/nitrogen co-doped and bimetallic MOF-derived cathode for all-solid-state rechargeable zinc-air batteries. <i>RSC Advances</i> , 2020, 10, 33327-33333.	3.6	11
31	Enhancing the Electrochemical Performance of a High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ Cathode in a Carbonate-Based Electrolyte with a Novel and Low-Cost Functional Additive. <i>Chemistry - A European Journal</i> , 2020, 26, 12233-12241.	3.3	10
32	Ultrathin Al ₂ O ₃ layer modified LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ with Al-doping for high performance lithium ion batteries. <i>Ionics</i> , 2020, 26, 2147-2156.	2.4	15
33	Innovative Electrochemical Strategy to Recovery of Cathode and Efficient Lithium Leaching from Spent Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 4767-4776.	5.1	54
34	Highly efficient and durable aqueous electrocatalytic reduction of CO ₂ to HCOOH with a novel bismuth-MOF: experimental and DFT studies. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9776-9787.	10.3	73
35	Insight of a Phase Compatible Surface Coating for Long-Durable Li-Rich Layered Oxide Cathode. <i>Advanced Energy Materials</i> , 2019, 9, 1901795.	19.5	129
36	Recent Progresses in Oxygen Reduction Reaction Electrocatalysts for Electrochemical Energy Applications. <i>Electrochemical Energy Reviews</i> , 2019, 2, 518-538.	25.5	176

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37	Zinc-assisted mechanochemical coating of a reduced graphene oxide thin layer on silicon microparticles to achieve efficient lithium-ion battery anodes. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1258-1268.	4.9	5
38	Synthesis of FeS Nanoparticles Embedded in MoS ₂ /C Nanosheets as High-Performance Anode Material for Lithium-ion Batteries. <i>Energy Technology</i> , 2019, 7, 1801132.	3.8	5
39	Ultra-high-voltage capacitor based on aluminum electrolytic electrochemical hybrid electrodes. <i>Journal of Materials Science</i> , 2018, 53, 6842-6849.	3.7	4
40	Electrospray synthesis of nano-Si encapsulated in graphite/carbon microplates as robust anodes for high performance lithium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 679-687.	4.9	25
41	Electroless plating of a Sn-Ni/graphite sheet composite with improved cyclability as an anode material for lithium ion batteries. <i>RSC Advances</i> , 2018, 8, 15427-15435.	3.6	10
42	Three-Dimension Hierarchical Al ₂ O ₃ Nanosheets Wrapped LiMn ₂ O ₄ with Enhanced Cycling Stability as Cathode Material for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21656-21665.	8.0	86
43	Facile synthesis of Sn/MoS ₂ /C composite as an anode material for lithium-ion batteries with outstanding performance. <i>New Journal of Chemistry</i> , 2016, 40, 1263-1268.	2.8	8
44	Enhanced electrochemical performance of LiMn ₂ O ₄ cathode with a Li _{0.34} La _{0.51} TiO ₃ -coated layer. <i>RSC Advances</i> , 2015, 5, 17592-17600.	3.6	14