Wu Yang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Cellulose nanofiberâ€derived carbon aerogel for advanced roomâ€temperature sodium–sulfur batteries. , 2023, 5, .		15
2	Enhanced confinement synthesis of atomically dispersed Fe-N-C catalyst from resin polymer for oxygen reduction. Journal of Energy Chemistry, 2022, 65, 630-636.	12.9	20
3	Coupling overall water splitting and biomass oxidation via Fe-doped Ni2P@C nanosheets at large current density. Applied Catalysis B: Environmental, 2022, 307, 121170.	20.2	75
4	Reversible aqueous zinc-ion battery based on ferric vanadate cathode. Chinese Chemical Letters, 2022, 33, 4628-4634.	9.0	25
5	Hierarchical ZnO nanorod arrays grown on copper foam as an advanced three-dimensional skeleton for dendrite-free sodium metal anodes. Nano Energy, 2021, 80, 105563.	16.0	87
6	Towards High-Energy and Anti-Self-Discharge Zn-Ion Hybrid Supercapacitors with New Understanding of the Electrochemistry. Nano-Micro Letters, 2021, 13, 95.	27.0	115
7	Stable Hollowâ€Structured Silicon Suboxideâ€Based Anodes toward Highâ€Performance Lithiumâ€ion Batteries. Advanced Functional Materials, 2021, 31, 2101796.	14.9	127
8	Cobalt-embedded hierarchically-porous hollow carbon microspheres as multifunctional confined reactors for high-loading Li-S batteries. Nano Energy, 2021, 85, 105981.	16.0	85
9	High-performance zinc-ion batteries enabled by electrochemically induced transformation of vanadium oxide cathodes. Journal of Energy Chemistry, 2021, 60, 233-240.	12.9	65
10	Outside Back Cover: Volume 2 Issue 4. SmartMat, 2021, 2, .	10.7	0
11	Recent progress and future perspectives of flexible metalâ€eir batteries. SmartMat, 2021, 2, 519-553.	10.7	43
12	3D Oxygenâ€Defective Potassium Vanadate/Carbon Nanoribbon Networks as Highâ€Performance Cathodes for Aqueous Zincâ€Ion Batteries. Small Methods, 2020, 4, 1900670.	8.6	124
13	Flexible and conductive scaffold-stabilized zinc metal anodes for ultralong-life zinc-ion batteries and zinc-ion hybrid capacitors. Chemical Engineering Journal, 2020, 384, 123355.	12.7	188
14	Effectively enhance high voltage stability of LiNi1/3Co1/3Mn1/3O2 cathode material with excellent energy density via La2O3 surface modified. Ionics, 2019, 25, 2007-2016.	2.4	7
15	High-Power and Ultralong-Life Aqueous Zinc-Ion Hybrid Capacitors Based on Pseudocapacitive Charge Storage. Nano-Micro Letters, 2019, 11, 94.	27.0	108
16	Enabling immobilization and conversion of polysulfides through a nitrogen-doped carbon nanotubes/ultrathin MoS ₂ nanosheet core–shell architecture for lithium–sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 13103-13112.	10.3	102
17	Multivalent metal ion hybrid capacitors: a review with a focus on zinc-ion hybrid capacitors. Journal of Materials Chemistry A, 2019, 7, 13810-13832.	10.3	312
18	In situ construction of nitrogen-doped graphene with surface-grown carbon nanotubes as a multifactorial synergistic catalyst for oxygen reduction. Carbon, 2019, 142, 40-50.	10.3	32

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19	Nitrogen-doped porous carbon coated on graphene sheets as anode materials for Li-ion batteries. Ionics, 2019, 25, 1541-1549.	2.4	9
20	Synergistic effects of ion doping and surface-modifying for lithium transition-metal oxide: Synthesis and characterization of La 2 O 3 -modified LiNi 1/3 Co 1/3 Mn 1/3 O 2. Electrochimica Acta, 2018, 272, 11-21.	5.2	56
21	Uniform Multilayer Graphene-Coated Iron and Iron-Carbide as Oxygen Reduction Catalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 4890-4898.	6.7	41
22	Synthesis of three-dimensional hierarchical porous carbon for high-performance supercapacitors. Ionics, 2018, 24, 3133-3141.	2.4	5
23	3D interconnected porous carbon nanosheets/carbon nanotubes as a polysulfide reservoir for high performance lithium–sulfur batteries. Nanoscale, 2018, 10, 816-824.	5.6	150
24	Phosphorus-doped 3D hierarchical porous carbon for high-performance supercapacitors: A balanced strategy for pore structure and chemical composition. Carbon, 2018, 127, 557-567.	10.3	302
25	Exploring Effective Approach to Synthesize Graphene@sulfur Composites for High Performance Lithium-sulfur Batteries. Current Nanoscience, 2018, 14, 335-342.	1.2	4
26	Mixed Lithium Oxynitride/Oxysulfide as an Interphase Protective Layer To Stabilize Lithium Anodes for High-Performance Lithium–Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 39695-39704.	8.0	35
27	Nitrogen-oxygen co-doped corrugation-like porous carbon for high performance supercapacitor. Frontiers of Materials Science, 2018, 12, 283-291.	2.2	7
28	Hierarchical Interconnected Expanded Graphitic Ribbons Embedded with Amorphous Carbon: An Advanced Carbon Nanostructure for Superior Lithium and Sodium Storage. Small, 2018, 14, e1802221.	10.0	48
29	A polypyrrole-coated acetylene black/sulfur composite cathode material for lithium–sulfur batteries. Journal of Energy Chemistry, 2018, 27, 813-819.	12.9	45
30	Pyrrole as a promising electrolyte additive to trap polysulfides for lithium-sulfur batteries. Journal of Power Sources, 2017, 348, 175-182.	7.8	95
31	Ni–MoS 2 composite coatings as efficient hydrogen evolution reaction catalysts in alkaline solution. International Journal of Hydrogen Energy, 2017, 42, 11262-11269.	7.1	37
32	Supercapacitance of nitrogen-sulfur-oxygen co-doped 3D hierarchical porous carbon in aqueous and organic electrolyte. Journal of Power Sources, 2017, 359, 556-567.	7.8	121
33	Facile Synthesis of Cobalt Nanoparticles Entirely Encapsulated in Slim Nitrogen-Doped Carbon Nanotubes as Oxygen Reduction Catalyst. ACS Sustainable Chemistry and Engineering, 2017, 5, 3973-3981.	6.7	82
34	The effect of cation mixing controlled by thermal treatment duration on the electrochemical stability of lithium transition-metal oxides. Physical Chemistry Chemical Physics, 2017, 19, 29886-29894.	2.8	91
35	Facile synthesis of nitrogen-doped porous carbon for high-performance supercapacitors. RSC Advances, 2017, 7, 55257-55263.	3.6	14
36	Template-free synthesis of ultrathin porous carbon shell with excellent conductivity for high-rate supercapacitors. Carbon, 2017, 111, 419-427.	10.3	243

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37	High capacity and cycle stability Rechargeable Lithium–Sulfur batteries by sandwiched gel polymer electrolyte. Electrochimica Acta, 2016, 210, 71-78.	5.2	83
38	A novel acetylene black/sulfur@graphene composite cathode with unique three-dimensional sandwich structure for lithium-sulfur batteries. Electrochimica Acta, 2016, 190, 426-433.	5.2	42