

Wu Yang

List of Publications by Year in descending order

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38
papers

3,040
citations

185998

28
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344852

36
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all docs

38
docs citations

38
times ranked

3433
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose nanofiberâ€derived carbon aerogel for advanced roomâ€temperature sodiumâ€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.	7.1	20
3	Coupling overall water splitting and biomass oxidation via Fe-doped Ni ₂ P@C nanosheets at large current density. Applied Catalysis B: Environmental, 2022, 307, 121170.	10.8	75
4	Reversible aqueous zinc-ion battery based on ferric vanadate cathode. Chinese Chemical Letters, 2022, 33, 4628-4634.	4.8	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.	8.2	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.	14.4	115
7	Stable Hollowâ€Structured Silicon Suboxideâ€Based Anodes toward Highâ€Performance Lithiumâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2101796.	7.8	127
8	Cobalt-embedded hierarchically-porous hollow carbon microspheres as multifunctional confined reactors for high-loading Li-S batteries. Nano Energy, 2021, 85, 105981.	8.2	85
9	High-performance zinc-ion batteries enabled by electrochemically induced transformation of vanadium oxide cathodes. Journal of Energy Chemistry, 2021, 60, 233-240.	7.1	65
10	Outside Back Cover: Volume 2 Issue 4. SmartMat, 2021, 2, .	6.4	0
11	Recent progress and future perspectives of flexible metalâ€air batteries. SmartMat, 2021, 2, 519-553.	6.4	43
12	3D Oxygenâ€Defective Potassium Vanadate/Carbon Nanoribbon Networks as Highâ€Performance Cathodes for Aqueous Zincâ€Ion Batteries. Small Methods, 2020, 4, 1900670.	4.6	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.	6.6	188
14	Effectively enhance high voltage stability of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode material with excellent energy density via La ₂ O ₃ surface modified. Ionics, 2019, 25, 2007-2016.	1.2	7
15	High-Power and Ultralong-Life Aqueous Zinc-Ion Hybrid Capacitors Based on Pseudocapacitive Charge Storage. Nano-Micro Letters, 2019, 11, 94.	14.4	108
16	Enabling immobilization and conversion of polysulfides through a nitrogen-doped carbon nanotubes/ultrathin MoS ₂ nanosheet coreâ€shell architecture for lithiumâ€sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 13103-13112.	5.2	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.	5.2	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.	5.4	32

#	ARTICLE	IF	CITATIONS
19	Nitrogen-doped porous carbon coated on graphene sheets as anode materials for Li-ion batteries. <i>Ionics</i> , 2019, 25, 1541-1549.	1.2	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 . <i>Electrochimica Acta</i> , 2018, 272, 11-21.	2.6	56
21	Uniform Multilayer Graphene-Coated Iron and Iron-Carbide as Oxygen Reduction Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4890-4898.	3.2	41
22	Synthesis of three-dimensional hierarchical porous carbon for high-performance supercapacitors. <i>Ionics</i> , 2018, 24, 3133-3141.	1.2	5
23	3D interconnected porous carbon nanosheets/carbon nanotubes as a polysulfide reservoir for high performance lithium-sulfur batteries. <i>Nanoscale</i> , 2018, 10, 816-824.	2.8	150
24	Phosphorus-doped 3D hierarchical porous carbon for high-performance supercapacitors: A balanced strategy for pore structure and chemical composition. <i>Carbon</i> , 2018, 127, 557-567.	5.4	302
25	Exploring Effective Approach to Synthesize Graphene@sulfur Composites for High Performance Lithium-sulfur Batteries. <i>Current Nanoscience</i> , 2018, 14, 335-342.	0.7	4
26	Mixed Lithium Oxynitride/Oxysulfide as an Interphase Protective Layer To Stabilize Lithium Anodes for High-Performance Lithium-sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39695-39704.	4.0	35
27	Nitrogen-oxygen co-doped corrugation-like porous carbon for high performance supercapacitor. <i>Frontiers of Materials Science</i> , 2018, 12, 283-291.	1.1	7
28	Hierarchical Interconnected Expanded Graphitic Ribbons Embedded with Amorphous Carbon: An Advanced Carbon Nanostructure for Superior Lithium and Sodium Storage. <i>Small</i> , 2018, 14, e1802221.	5.2	48
29	A polypyrrole-coated acetylene black/sulfur composite cathode material for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2018, 27, 813-819.	7.1	45
30	Pyrrrole as a promising electrolyte additive to trap polysulfides for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 348, 175-182.	4.0	95
31	Ni-MoS ₂ composite coatings as efficient hydrogen evolution reaction catalysts in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11262-11269.	3.8	37
32	Supercapacitance of nitrogen-sulfur-oxygen co-doped 3D hierarchical porous carbon in aqueous and organic electrolyte. <i>Journal of Power Sources</i> , 2017, 359, 556-567.	4.0	121
33	Facile Synthesis of Cobalt Nanoparticles Entirely Encapsulated in Slim Nitrogen-Doped Carbon Nanotubes as Oxygen Reduction Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3973-3981.	3.2	82
34	The effect of cation mixing controlled by thermal treatment duration on the electrochemical stability of lithium transition-metal oxides. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29886-29894.	1.3	91
35	Facile synthesis of nitrogen-doped porous carbon for high-performance supercapacitors. <i>RSC Advances</i> , 2017, 7, 55257-55263.	1.7	14
36	Template-free synthesis of ultrathin porous carbon shell with excellent conductivity for high-rate supercapacitors. <i>Carbon</i> , 2017, 111, 419-427.	5.4	243

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37	High capacity and cycle stability Rechargeable Lithium-Sulfur batteries by sandwiched gel polymer electrolyte. <i>Electrochimica Acta</i> , 2016, 210, 71-78.	2.6	83
38	A novel acetylene black/sulfur@graphene composite cathode with unique three-dimensional sandwich structure for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2016, 190, 426-433.	2.6	42