Jun Wang

List of Publications by Year
in descending order

51	3,482	156536	206121
papers	citations	32 h-index	51 g-index

51	51	51	4974
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Activating MoS₂ Nanoflakes via Sulfur Defect Engineering Wrapped on CNTs for Stable and Efficient Liâ€O₂ Batteries. Advanced Functional Materials, 2022, 32, 2108153.	7.8	74
2	CoS₂ Nanoparticles Anchored on MoS₂ Nanorods As a Superior Bifunctional Electrocatalyst Boosting Li₂O₂ Heteroepitaxial Growth for Rechargeable Liâ€O₂ Batteries. Small, 2022, 18, e2105752.	5.2	20
3	Highly Efficient Nb₂C MXene Cathode Catalyst with Uniform Oâ€Terminated Surface for Lithiumâ€“Oxygen Batteries. Advanced Energy Materials, 2021, 11, .	10.2	130
4	In-situ deposition of Pd/Pd4S heterostructure on hollow carbon spheres as efficient electrocatalysts for rechargeable Li-O2 batteries. Chinese Chemical Letters, 2021, 32, 2086-2090.	4.8	23
5	CoMoP2 nanoparticles anchored on N, P doped carbon nanosheets for high-performance lithium-oxygen batteries. FlatChem, 2021, 25, 100221.	2.8	14
6	Phase modulation of 1T/2H MoSe₂ nanoflowers for highly efficient bifunctional electrocatalysis in rechargeable Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2021, 9, 19922-19931.	5.2	37
7	MoSe₂@CNT Coreâ€“Shell Nanostructures as Grain Promoters Featuring a Direct Li₂O₂ Formation/Decomposition Catalytic Capability in Lithiumâ€Oxygen Batteries. Advanced Energy Materials, 2021, 11, 2003263.	10.2	75
8	Ti3C2T MXene cathode catalyst with efficient decomposition Li2O2 and high-rate cycle stability for Li-O2 batteries. Electrochimica Acta, 2021, 388, 138622.	2.6	4
9	First-principles study of Mn antisite defect in Li2MnO3. Journal of Physics Condensed Matter, 2021, 33, 415201.	0.7	2
10	Agaric-like anodes of porous carbon decorated with MoO2 nanoparticles for stable ultralong cycling lifespan and high-rate lithium/sodium storage. Journal of Colloid and Interface Science, 2021, 596, 396-407.	5.0	129
11	A novel approach to facile synthesis of boron and nitrogen co-doped graphene and its application in lithium oxygen batteries. Energy Storage Materials, 2021, 41, 61-68.	9.5	23
12	MnCo₂S₄â€CoS_{1.097} Heterostructure Nanotubes as High Efficiency Cathode Catalysts for Stable and Longâ€Life Lithiumâ€Oxygen Batteries Under High Current Conditions. Advanced Science, 2021, 8, e2103302.	5.6	42
13	Nanowires embedded porous TiO2@C nanocomposite anodes for enhanced stable lithium and sodium ion battery performance. Ceramics International, 2020, 46, 9119-9128.	2.3	34
14	Single-atom Pt supported on holey ultrathin g-C3N4 nanosheets as efficient catalyst for Li-O2 batteries. Journal of Colloid and Interface Science, 2020, 564, 28-36.	5.0	72
15	Tunable Cationic Vacancies of Cobalt Oxides for Efficient Electrocatalysis in Liâ€“O₂ Batteries. Advanced Energy Materials, 2020, 10, 2001415.	10.2	113
16	Metalâ€Organicâ€Framework Derived Coreâ€Shell Nâ€Doped Carbon Nanocages Embedded with Cobalt Nanoparticles as Highâ€Performance Anode Materials for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 2006188.	7.8	98
17	Insights into Ion Occupancy Manipulation of Feâ€“Co Oxide Free-Standing Cathodes for Liâ€“O₂ Batteries with Enhanced Deep Charge Capability and Long-Term Capability. ACS Applied Materials & Interfaces, 2020, 12, 30268-30279.	4.0	17
18	A free-standing CeO2/Co3O4 nanowires electrode featuring a controllable discharge/charge product evolution route with enhanced catalytic performance for Li-O2 batteries. Applied Materials Today, 2020, 19, 100603.	2.3	20

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19	Interfacial Superassembly of Grape-Like MnOâ€“Ni@C Frameworks for Superior Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 13770-13780.	4.0	45
20	A hierarchical porous carbon supported Pd@Pd4S heterostructure as an efficient catalytic material positive electrode for Liâ€“O2 batteries. Journal of Power Sources, 2020, 451, 227738.	4.0	31
21	Superassembly of Porous Fe_{tet}(NiFe)_{oct}O Frameworks with Stable Octahedron and Multistage Structure for Superior Lithiumâ€“Oxygen Batteries. Advanced Energy Materials, 2020, 10, 1904262.	10.2	55
22	High thermoelectric performance of Ag doped SnTe polycrystalline bulks via the synergistic manipulation of electrical and thermal transport. Physical Chemistry Chemical Physics, 2019, 21, 17978-17984.	1.3	35
23	Interfacial Superâ€Assembled Porous CeO₂/C Frameworks Featuring Efficient and Sensitive Decomposing Li₂O₂ for Smart Liâ€“O₂ Batteries. Advanced Energy Materials, 2019, 9, 1901751.	10.2	71
24	Highly efficient cobalt nanoparticles anchored porous N-doped carbon nanosheets electrocatalysts for Li-O2 batteries. Journal of Catalysis, 2019, 377, 534-542.	3.1	95
25	Urchin-like NiOâ€“NiCo₂O₄ heterostructure microsphere catalysts for enhanced rechargeable non-aqueous Liâ€“O₂ batteries. Nanoscale, 2019, 11, 50-59.	2.8	130
26	One-pot synthesized molybdenum dioxideâ€“molybdenum carbide heterostructures coupled with 3D holey carbon nanosheets for highly efficient and ultrastable cycling lithium-ion storage. Journal of Materials Chemistry A, 2019, 7, 13460-13472.	5.2	220
27	Annealing effects on the structural and dielectric properties of (Nb + In) co-doped rutile TiO₂ ceramics. RSC Advances, 2019, 9, 8364-8368.	1.7	12
28	Oxygen vacancies promoting the electrocatalytic performance of CeO₂nanorods as cathode materials for Liâ€“O₂batteries. Journal of Materials Chemistry A, 2019, 7, 6552-6561.	5.2	85
29	Interfacial Scaffolding Preparation of Hierarchical PBAâ€Based Derivative Electrocatalysts for Efficient Water Splitting. Advanced Energy Materials, 2019, 9, 1802939.	10.2	119
30	Atomic Modulation and Structure Design of Carbons for Bifunctional Electrocatalysis in Metalâ€“Air Batteries. Advanced Materials, 2019, 31, e1803800.	11.1	208
31	Oxygen vacancy derived local build-in electric field in mesoporous hollow Co₃O₄microspheres promotes high-performance Li-ion batteries. Journal of Materials Chemistry A, 2018, 6, 6967-6976.	5.2	242
32	High performance MnO@C microcages with a hierarchical structure and tunable carbon shell for efficient and durable lithium storage. Journal of Materials Chemistry A, 2018, 6, 9723-9736.	5.2	212
33	Mesoporous CoO/Coâ€“Nâ€“C nanofibers as efficient cathode catalysts for Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2018, 6, 19075-19084.	5.2	45
34	Improvement of thermoelectric properties and their correlations with electron effective mass in Cu1.98SxSe1â^'x. Scientific Reports, 2017, 7, 40436.	1.6	31
35	A 3D hierarchical porous Co₃O₄ nanotube network as an efficient cathode for rechargeable lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2017, 5, 14673-14681.	5.2	50
36	Significant enhancement of figure-of-merit in carbon-reinforced Cu2Se nanocrystalline solids. Nano Energy, 2017, 41, 164-171.	8.2	103

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37	A 3D porous nitrogen-doped carbon-nanofiber-supported palladium composite as an efficient catalytic cathode for lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2017, 5, 1462-1471.	5.2	71
38	Rapid hydrothermal synthesis of Li3VO4 with different favored facets. Journal of Solid State Electrochemistry, 2017, 21, 2547-2553.	1.2	8
39	Nanofibrous Co₃O₄/PPy Hybrid with Synergistic Effect as Bifunctional Catalyst for Lithiumâ€Oxygen Batteries. Advanced Materials Interfaces, 2016, 3, 1600030.	1.9	33
40	Selfâ€Assembled 3D Foamâ€Like NiCo₂O₄ as Efficient Catalyst for Lithium Oxygen Batteries. Small, 2016, 12, 602-611.	5.2	97
41	A microwave autoclave synthesized MnO2/graphene composite as a cathode material for lithiumâ€“oxygen batteries. Journal of Applied Electrochemistry, 2016, 46, 869-878.	1.5	22
42	High thermoelectric and mechanical performance in highly dense Cu_{2â^'x}S bulks prepared by a melt-solidification technique. Journal of Materials Chemistry A, 2015, 3, 9432-9437.	5.2	176
43	The Effects of Te^{2â^'} and I^{â^'} Substitutions on the Electronic Structures, Thermoelectric Performance, and Hardness in Meltâ€Quenched Highly Dense Cu_{2â€x}Se. Advanced Electronic Materials, 2015, 1, 1400015.	2.6	51
44	Cobalt doping effects on photoluminescence, Raman scattering, crystal structure, and magnetic and piezoelectric properties in ZnO single crystals grown from molten hydrous LiOH and NaOH solutions. Journal of Alloys and Compounds, 2015, 628, 303-307.	2.8	12
45	Superior intrinsic thermoelectric performance with zT of 1.8 in single-crystal and melt-quenched highly dense Cu2-xSe bulks. Scientific Reports, 2015, 5, 7671.	1.6	83
46	Comparison of Few-layer Graphene Prepared from Natural Graphite through Fast Synthesis Approach. Journal of Materials Science and Technology, 2015, 31, 907-912.	5.6	19
47	A phosphorus/N-doped carbon nanofiber composite as an anode material for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 19011-19017.	5.2	113
48	3D Fe2(MoO4)3 microspheres with nanosheet constituents as high-capacity anode materials for lithium-ion batteries. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	18
49	A germanium/single-walled carbon nanotube composite paper as a free-standing anode for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 4613.	5.2	37
50	In-situ One-step Hydrothermal Synthesis of a Lead Germanate-Graphene Composite as a Novel Anode Material for Lithium-Ion Batteries. Scientific Reports, 2014, 4, 7030.	1.6	16
51	Dependence of the microstructure and properties of TiC/Ti3SiC2 composites on extra C addition. Ceramics International, 2012, 38, 5967-5971.	2.3	10