

# Jun Wang

## List of Publications by Year in descending order

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51  
papers

3,482  
citations

136950

32  
h-index

182427

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51  
docs citations

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times ranked

4376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activating MoS <sub>2</sub> Nanoflakes via Sulfur Defect Engineering Wrapped on CNTs for Stable and Efficient Li-O <sub>2</sub> Batteries. Advanced Functional Materials, 2022, 32, 2108153.	14.9	74
2	CoS <sub>2</sub> Nanoparticles Anchored on MoS <sub>2</sub> Nanorods As a Superior Bifunctional Electrocatalyst Boosting Li <sub>2</sub> O <sub>2</sub> Heteroepitaxial Growth for Rechargeable Li-O <sub>2</sub> Batteries. Small, 2022, 18, e2105752.	10.0	20
3	Highly Efficient Nb <sub>2</sub> C MXene Cathode Catalyst with Uniform O-Terminated Surface for Lithium-Oxygen Batteries. Advanced Energy Materials, 2021, 11, .	19.5	130
4	In-situ deposition of Pd/Pd <sub>4</sub> S heterostructure on hollow carbon spheres as efficient electrocatalysts for rechargeable Li-O <sub>2</sub> batteries. Chinese Chemical Letters, 2021, 32, 2086-2090.	9.0	23
5	CoMoP <sub>2</sub> nanoparticles anchored on N, P doped carbon nanosheets for high-performance lithium-oxygen batteries. FlatChem, 2021, 25, 100221.	5.6	14
6	Phase modulation of 1T/2H MoSe <sub>2</sub> nanoflowers for highly efficient bifunctional electrocatalysis in rechargeable Li-O <sub>2</sub> batteries. Journal of Materials Chemistry A, 2021, 9, 19922-19931.	10.3	37
7	MoSe <sub>2</sub> @CNT Core-Shell Nanostructures as Grain Promoters Featuring a Direct Li <sub>2</sub> O <sub>2</sub> Formation/Decomposition Catalytic Capability in Lithium-Oxygen Batteries. Advanced Energy Materials, 2021, 11, 2003263.	19.5	75
8	Ti <sub>3</sub> C <sub>2</sub> T MXene cathode catalyst with efficient decomposition Li <sub>2</sub> O <sub>2</sub> and high-rate cycle stability for Li-O <sub>2</sub> batteries. Electrochimica Acta, 2021, 388, 138622.	5.2	4
9	First-principles study of Mn antisite defect in Li <sub>2</sub> MnO <sub>3</sub> . Journal of Physics Condensed Matter, 2021, 33, 415201.	1.8	2
10	Agaric-like anodes of porous carbon decorated with MoO <sub>2</sub> nanoparticles for stable ultralong cycling lifespan and high-rate lithium/sodium storage. Journal of Colloid and Interface Science, 2021, 596, 396-407.	9.4	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.	18.0	23
12	MnCo <sub>2</sub> S <sub>4</sub> @Co <sub>1.097</sub> Heterostructure Nanotubes as High Efficiency Cathode Catalysts for Stable and Long-Life Lithium-Oxygen Batteries Under High Current Conditions. Advanced Science, 2021, 8, e2103302.	11.2	42
13	Nanowires embedded porous TiO <sub>2</sub> @C nanocomposite anodes for enhanced stable lithium and sodium ion battery performance. Ceramics International, 2020, 46, 9119-9128.	4.8	34
14	Single-atom Pt supported on holey ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets as efficient catalyst for Li-O <sub>2</sub> batteries. Journal of Colloid and Interface Science, 2020, 564, 28-36.	9.4	72
15	Tunable Cationic Vacancies of Cobalt Oxides for Efficient Electrocatalysis in Li-O <sub>2</sub> Batteries. Advanced Energy Materials, 2020, 10, 2001415.	19.5	113
16	Metal-Organic Framework Derived Core-Shell N-Doped Carbon Nanocages Embedded with Cobalt Nanoparticles as High-Performance Anode Materials for Lithium-Ion Batteries. Advanced Functional Materials, 2020, 30, 2006188.	14.9	98
17	Insights into Ion Occupancy Manipulation of Fe-Co Oxide Free-Standing Cathodes for Li-O <sub>2</sub> Batteries with Enhanced Deep Charge Capability and Long-Term Capability. ACS Applied Materials & Interfaces, 2020, 12, 30268-30279.	8.0	17
18	A free-standing CeO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanowires electrode featuring a controllable discharge/charge product evolution route with enhanced catalytic performance for Li-O <sub>2</sub> batteries. Applied Materials Today, 2020, 19, 100603.	4.3	20

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19	Interfacial Superassembly of Grape-Like MnO <sub>2</sub> @Ni/C Frameworks for Superior Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 13770-13780.	8.0	45
20	A hierarchical porous carbon supported Pd@Pd <sub>4</sub> S heterostructure as an efficient catalytic material positive electrode for Li-O <sub>2</sub> batteries. Journal of Power Sources, 2020, 451, 227738.	7.8	31
21	Superassembly of Porous Fe <sub>4</sub> (NiFe) <sub>8</sub> O Frameworks with Stable Octahedron and Multistage Structure for Superior Lithium-Oxygen Batteries. Advanced Energy Materials, 2020, 10, 1904262.	19.5	55
22	High thermoelectric performance of Ag doped SnTe polycrystalline bulks <i>via</i> the synergistic manipulation of electrical and thermal transport. Physical Chemistry Chemical Physics, 2019, 21, 17978-17984.	2.8	35
23	Interfacial Superassembled Porous CeO <sub>2</sub> /C Frameworks Featuring Efficient and Sensitive Decomposing Li <sub>2</sub> O <sub>2</sub> for Smart Li-O <sub>2</sub> Batteries. Advanced Energy Materials, 2019, 9, 1901751.	19.5	71
24	Highly efficient cobalt nanoparticles anchored porous N-doped carbon nanosheets electrocatalysts for Li-O <sub>2</sub> batteries. Journal of Catalysis, 2019, 377, 534-542.	6.2	95
25	Urchin-like NiO@NiCo <sub>2</sub> O <sub>4</sub> heterostructure microsphere catalysts for enhanced rechargeable non-aqueous Li-O <sub>2</sub> batteries. Nanoscale, 2019, 11, 50-59.	5.6	130
26	One-pot synthesized molybdenum dioxide@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.	10.3	220
27	Annealing effects on the structural and dielectric properties of (Nb + In) co-doped rutile TiO <sub>2</sub> ceramics. RSC Advances, 2019, 9, 8364-8368.	3.6	12
28	Oxygen vacancies promoting the electrocatalytic performance of CeO <sub>2</sub> nanorods as cathode materials for Li-O <sub>2</sub> batteries. Journal of Materials Chemistry A, 2019, 7, 6552-6561.	10.3	85
29	Interfacial Scaffolding Preparation of Hierarchical PBA-Based Derivative Electrocatalysts for Efficient Water Splitting. Advanced Energy Materials, 2019, 9, 1802939.	19.5	119
30	Atomic Modulation and Structure Design of Carbons for Bifunctional Electrocatalysis in Metal-Air Batteries. Advanced Materials, 2019, 31, e1803800.	21.0	208
31	Oxygen vacancy derived local build-in electric field in mesoporous hollow Co <sub>3</sub> O <sub>4</sub> microspheres promotes high-performance Li-ion batteries. Journal of Materials Chemistry A, 2018, 6, 6967-6976.	10.3	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.	10.3	212
33	Mesoporous CoO/Co@N-C nanofibers as efficient cathode catalysts for Li-O <sub>2</sub> batteries. Journal of Materials Chemistry A, 2018, 6, 19075-19084.	10.3	45
34	Improvement of thermoelectric properties and their correlations with electron effective mass in Cu <sub>1.98</sub> SxSe <sub>1-x</sub> . Scientific Reports, 2017, 7, 40436.	3.3	31
35	A 3D hierarchical porous Co <sub>3</sub> O <sub>4</sub> nanotube network as an efficient cathode for rechargeable lithium-oxygen batteries. Journal of Materials Chemistry A, 2017, 5, 14673-14681.	10.3	50
36	Significant enhancement of figure-of-merit in carbon-reinforced Cu <sub>2</sub> Se nanocrystalline solids. Nano Energy, 2017, 41, 164-171.	16.0	103

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37	A 3D porous nitrogen-doped carbon-nanofiber-supported palladium composite as an efficient catalytic cathode for lithium-oxygen batteries. Journal of Materials Chemistry A, 2017, 5, 1462-1471.	10.3	71
38	Rapid hydrothermal synthesis of Li <sub>3</sub> VO <sub>4</sub> with different favored facets. Journal of Solid State Electrochemistry, 2017, 21, 2547-2553.	2.5	8
39	Nanofibrous Co <sub>3</sub> O <sub>4</sub> /PPy Hybrid with Synergistic Effect as Bifunctional Catalyst for Lithium-Oxygen Batteries. Advanced Materials Interfaces, 2016, 3, 1600030.	3.7	33
40	Self-Assembled 3D Foam-Like NiCo <sub>2</sub> O <sub>4</sub> as Efficient Catalyst for Lithium Oxygen Batteries. Small, 2016, 12, 602-611.	10.0	97
41	A microwave autoclave synthesized MnO <sub>2</sub> /graphene composite as a cathode material for lithium-oxygen batteries. Journal of Applied Electrochemistry, 2016, 46, 869-878.	2.9	22
42	High thermoelectric and mechanical performance in highly dense Cu <sub>2-x</sub> S bulks prepared by a melt-solidification technique. Journal of Materials Chemistry A, 2015, 3, 9432-9437.	10.3	176
43	The Effects of Te <sup>2+</sup> and I <sup>+</sup> Substitutions on the Electronic Structures, Thermoelectric Performance, and Hardness in Melt-Quenched Highly Dense Cu <sub>2-x</sub> Se. Advanced Electronic Materials, 2015, 1, 1400015.	5.1	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.	5.5	12
45	Superior intrinsic thermoelectric performance with zT of 1.8 in single-crystal and melt-quenched highly dense Cu <sub>2-x</sub> Se bulks. Scientific Reports, 2015, 5, 7671.	3.3	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.	10.7	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.	10.3	113
48	3D Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> microspheres with nanosheet constituents as high-capacity anode materials for lithium-ion batteries. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	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.	10.3	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.	3.3	16
51	Dependence of the microstructure and properties of TiC/Ti <sub>3</sub> SiC <sub>2</sub> composites on extra C addition. Ceramics International, 2012, 38, 5967-5971.	4.8	10