Jianping Long

List of Publications by Year
in descending order

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		218677	214800
58	2,352	26	47
papers	citations	h-index	g-index

59	59	59	1927
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An artificial hybrid interphase for an ultrahigh-rate and practical lithium metal anode. Energy and Environmental Science, 2021, 14, 4115-4124.	30.8	376
2	Understanding the Reaction Chemistry during Charging in Aprotic Lithiumâ€“Oxygen Batteries: Existing Problems and Solutions. Advanced Materials, 2019, 31, e1804587.	21.0	254
3	Heterostructured NiS₂/ZnIn₂S₄ Realizing Toroid-like Li₂O₂ Deposition in Lithiumâ€“Oxygen Batteries with Low-Donor-Number Solvents. ACS Nano, 2020, 14, 3490-3499.	14.6	113
4	Optimizing Redox Reactions in Aprotic Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2020, 10, 2002180.	19.5	112
5	Interface engineering induced selenide lattice distortion boosting catalytic activity of heterogeneous CoSe2@NiSe2 for lithium-oxygen battery. Chemical Engineering Journal, 2020, 393, 124592.	12.7	84
6	Rationalizing the Effect of Oxygen Vacancy on Oxygen Electrocatalysis in Liâ€“O₂ Battery. Small, 2020, 16, e2001812.	10.0	81
7	In Situ Fabricating Oxygen Vacancy-Rich TiO₂ Nanoparticles via Utilizing Thermodynamically Metastable Ti Atoms on Ti₃C₂Tx MXene Nanosheet Surface To Boost Electrocatalytic Activity for High-Performance Liâ€“O₂ Batteries. ACS Applied Materials & Interfaces, 2019, 11, 46696-46704.	8.0	77
8	Design strategies toward catalytic materials and cathode structures for emerging Liâ€“CO₂ batteries. Journal of Materials Chemistry A, 2019, 7, 21605-21633.	10.3	75
9	Free-Standing Three-Dimensional CuCo₂S₄ Nanosheet Array with High Catalytic Activity as an Efficient Oxygen Electrode for Lithiumâ€“Oxygen Batteries. ACS Applied Materials & Interfaces, 2019, 11, 3834-3842.	8.0	75
10	Highly reversible Li-O2 battery induced by modulating local electronic structure via synergistic interfacial interaction between ruthenium nanoparticles and hierarchically porous carbon. Nano Energy, 2019, 57, 166-175.	16.0	73
11	Three-Dimensional Interconnected Network Architecture with Homogeneously Dispersed Carbon Nanotubes and Layered MoS₂ as a Highly Efficient Cathode Catalyst for Lithiumâ€“Oxygen Battery. ACS Applied Materials & Interfaces, 2018, 10, 34077-34086.	8.0	72
12	Tuning oxygen non-stoichiometric surface via defect engineering to promote the catalysis activity of Co3O4 in Li-O2 batteries. Chemical Engineering Journal, 2020, 381, 122678.	12.7	68
13	Interface-engineered metallic 1T-MoS2 nanosheet array induced via palladium doping enabling catalysis enhancement for lithiumâ€“oxygen battery. Chemical Engineering Journal, 2020, 382, 122854.	12.7	52
14	Morphology regulation of Li2O2 by flower-like ZnCo2S4 enabling high performance Li-O2 battery. Journal of Power Sources, 2019, 441, 227168.	7.8	49
15	Honeycomb-like Ni3S2 supported on Ni foam as high performance free-standing cathode for lithium oxygen batteries. Electrochimica Acta, 2018, 290, 657-665.	5.2	41
16	Phosphorus vacancies enriched Ni2P nanosheets as efficient electrocatalyst for high-performance Liâ€“O2 batteries. Electrochimica Acta, 2020, 337, 135795.	5.2	39
17	Modulating electronic structure of honeycomb-like Ni2P/Ni12P5 heterostructure with phosphorus vacancies for highly efficient lithium-oxygen batteries. Chemical Engineering Journal, 2021, 413, 127404.	12.7	39
18	Heteroatom-Induced Electronic Structure Modulation of Vertically Oriented Oxygen Vacancy-Rich NiFe Layered Double Oxide Nanoflakes To Boost Bifunctional Catalytic Activity in Liâ€“O₂ Battery. ACS Applied Materials & Interfaces, 2019, 11, 29868-29878.	8.0	38

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19	Componentâ€Interaction Reinforced Quasiâ€Solid Electrolyte with Multifunctionality for Flexible Liâ€“O₂ Battery with Superior Safety under Extreme Conditions. Small, 2019, 15, e1804701.	10.0	38
20	Tuning the electronic band structure of Mottâ€“Schottky heterojunctions modified with surface sulfur vacancy achieves an oxygen electrode with high catalytic activity for lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2020, 8, 11337-11345.	10.3	38
21	Three-dimensional CoNi2S4 nanorod arrays anchored on carbon textiles as an integrated cathode for high-rate and long-life Lithiumâ^Oxygen battery. Electrochimica Acta, 2019, 301, 69-79.	5.2	34
22	Improved Cyclability of Lithiumâ€“Oxygen Batteries by Synergistic Catalytic Effects of Two-Dimensional MoS₂ Nanosheets Anchored on Hollow Carbon Spheres. ACS Sustainable Chemistry and Engineering, 2019, 7, 6929-6938.	6.7	31
23	Anionic vacancy-dependent activity of the CoSe₂with a tunable interfacial electronic structure on the N-doped carbon cloth for advanced Liâ€“O₂batteries. Journal of Materials Chemistry A, 2020, 8, 16636-16648.	10.3	31
24	Interlayer material technology of manganese phosphate toward and beyond electrochemical pseudocapacitance over energy storage application. Journal of Materials Science and Technology, 2021, 71, 109-128.	10.7	31
25	3D Array of Bi₂S₃ Nanorods Supported on Ni Foam as a Highly Efficient Integrated Oxygen Electrode for the Lithiumâ€Oxygen Battery. Particle and Particle Systems Characterization, 2018, 35, 1700433.	2.3	30
26	A 3D free-standing Co doped Ni₂P nanowire oxygen electrode for stable and long-life lithiumâ€“oxygen batteries. Nanoscale, 2020, 12, 6785-6794.	5.6	30
27	Airflow Synergistic Needleless Electrospinning of Instant Noodleâ€like Curly Nanofibrous Membranes for Highâ€Efficiency Air Filtration. Small, 2022, 18, e2107250.	10.0	28
28	Threeâ€Dimensional Flowerâ€Like MoS₂@Carbon Nanotube Composites with Interconnected Porous Networks and High Catalytic Activity as Cathode for Lithiumâ€Oxygen Batteries. ChemElectroChem, 2018, 5, 2816-2824.	3.4	23
29	Configuration of gradient-porous ultrathin FeCo₂S₄ nanosheets vertically aligned on Ni foam as a noncarbonaceous freestanding oxygen electrode for lithiumâ€“oxygen batteries. Nanoscale, 2020, 12, 1864-1874.	5.6	22
30	Multifunctional Selenium Vacancy Coupling with Interface Engineering Enables High-Stability Liâ€“O₂ Battery. ACS Sustainable Chemistry and Engineering, 2020, 8, 6667-6674.	6.7	22
31	Boosting pseudocapacitive energy storage performance via both phosphorus vacancy defect and charge injection technique over the CoP electrode. Journal of Alloys and Compounds, 2021, 864, 158106.	5.5	22
32	Two-dimensional spinel CuCo2S4 nanosheets as high efficiency cathode catalyst for lithium-oxygen batteries. Journal of Alloys and Compounds, 2019, 798, 560-567.	5.5	21
33	Cobalt encapsulated within porous MOF-derived nitrogen-doped carbon as an efficient bifunctional electrocatalyst for aprotic lithium-oxygen battery. Journal of Alloys and Compounds, 2019, 810, 151877.	5.5	20
34	Adjusting the d-band center of metallic sites in NiFe-based Bimetal-organic frameworks via tensile strain to achieve High-performance oxygen electrode catalysts for Lithium-oxygen batteries. Journal of Colloid and Interface Science, 2022, 607, 1215-1225.	9.4	20
35	Dendrite-Free Solid-State Liâ€“O₂ Batteries Enabled by Organicâ€“Inorganic Interaction Reinforced Gel Polymer Electrolyte. ACS Sustainable Chemistry and Engineering, 2019, 7, 17362-17371.	6.7	19
36	Excellent electrolyte-electrode interface stability enabled by inhibition of anion mobility in hybrid gel polymer electrolyte based Liâ€“O2 batteries. Journal of Membrane Science, 2020, 604, 118051.	8.2	19

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37	Defect regulation of heterogeneous nickel-based oxides via interfacial engineering for long-life lithium-oxygen batteries. Electrochimica Acta, 2019, 321, 134716.	5.2	16
38	Invigorating the Catalytic Activity of Cobalt Selenide via Structural Phase Transition Engineering for Lithiumâ€“Oxygen Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 5018-5027.	6.7	16
39	Effect of replacement of Ca by Zn on the structure and optical property of CaTiO₃:Eu³⁺ red phosphor prepared by solâ€gel method. Luminescence, 2015, 30, 533-537.	2.9	15
40	NiCo₂S₄ Nanorod Arrays Supported on Carbon Textile as a Freeâ€Standing Electrode for Stable and Longâ€Life Lithiumâ€Oxygen Batteries. ChemElectroChem, 2019, 6, 349-358.	3.4	15
41	Interfacial electronic structure design of MXene-based electrocatalyst via vacancy modulation for lithium-oxygen battery. Carbon, 2020, 166, 273-283.	10.3	11
42	Synergy of cobalt vacancies and iron doping in cobalt selenide to promote oxygen electrode reactions in lithium-oxygen batteries. Journal of Colloid and Interface Science, 2022, 612, 171-180.	9.4	11
43	Promoting the Electrocatalytic Activity of Ti₃C₂T_x MXene by Modulating CO₂ Adsorption through Oxygen Vacancies for Highâ€Performance Lithiumâ€Carbon Dioxide Batteries. ChemElectroChem, 2020, 7, 4922-4930.	3.4	10
44	Theoretical Investigation of the Newly Noncentrosymmetric Superconductor SrAuSi3 via First Principles. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3235-3241.	1.8	8
45	3D porous network gel polymer electrolyte with high transference number for dendrite-free Li O2 batteries. Solid State Ionics, 2019, 343, 115088.	2.7	8
46	A multifunctional protective layer with biomimetic ionic channel suppressing dendrite and side reactions on zinc metal anodes. Journal of Colloid and Interface Science, 2022, 613, 136-145.	9.4	8
47	Luminescence enhancement of (Sr_{1â€“x}M_x)₂SiO₄:Eu²⁺ phosphors with M (Ca²⁺/Zn²⁺) partial substitution for white lightâ€emitting diodes. Luminescence, 2017, 32, 119-124.	2.9	7
48	Tuning the Unsaturated Coordination Center of Electrocatalysts toward High-Performance Lithiumâ€“Oxygen Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 7499-7507.	6.7	6
49	First-principles calculations of structural phase transition and elastic properties of BeTe under high pressure. Philosophical Magazine Letters, 2014, 94, 103-111.	1.2	5
50	Modulating in-plane electron density of molybdenum diselenide via spontaneously atomic-scale palladium doping enables high performance lithium oxygen batteries. Journal of Alloys and Compounds, 2021, 855, 157484.	5.5	5
51	Luminescence Enhancement of ZnS:Cu Nanocrystals by Zinc Sulfide Coating with Core/Shell Structure. Integrated Ferroelectrics, 2014, 154, 110-119.	0.7	3
52	Al2O3/TiO2 core/shell powder derived by novel solâ€“gel routes. Journal of Sol-Gel Science and Technology, 2015, 75, 475-480.	2.4	3
53	Synthesis and photoluminescence of Eu³⁺/Dy³⁺-doped CaGdAlO₄ phosphors for white light emitting diodes. Integrated Ferroelectrics, 2017, 179, 148-158.	0.7	3
54	Electrochemical Kinetics of Layered Manganese Phosphate via Interfacial Polypyrrole Chemical Binding. ChemElectroChem, 0, , .	3.4	3

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55	Solâ€“gel synthesis and luminescence property of Sr₄Al₂O₇:Re3⁺,R⁺ (ReÂ=ÂEu and Dy; RÂ=ÂLi, Na) Tj ETQq1 1 0.784	2.9	1
56	Active site synergy of the mixed-phase cobalt diselenides with slight lattice distortion for highly reversible and stable lithium oxygen batteries. Journal of Materials Science and Technology, 2021, 92, 159-170.	10.7	1
57	Preparation and modification of polythiophene-organic montmorillonite composite. Polymer Composites, 2016, 37, 2503-2510.	4.6	0
58	Promoted redox chemistry of high sulfur content cathode via endowing fast Li-ion diffusion. Ionics, 2022, 28, 1473-1481.	2.4	0