Jing Li

List of Publications by Year in descending order

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79 papers	6,078 citations	94433 37 h-index	71685 76 g-index
79 all docs	79 docs citations	79 times ranked	9490 citing authors

#	Article	IF	Citations
1	Biaxially strained PtPb/Pt core/shell nanoplate boosts oxygen reduction catalysis. Science, 2016, 354, 1410-1414.	12.6	1,262
2	Hollowing Sn-Doped TiO₂ Nanospheres via Ostwald Ripening. Journal of the American Chemical Society, 2007, 129, 15839-15847.	13.7	527
3	Preparation of Nanocomposites of Metals, Metal Oxides, and Carbon Nanotubes via Self-Assembly. Journal of the American Chemical Society, 2007, 129, 9401-9409.	13.7	353
4	High {001} facets dominated BiOBr lamellas: facile hydrolysis preparation and selective visible-light photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 8622.	10.3	312
5	Transition-metal-oxide-based catalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 8194-8209.	10.3	259
6	Size Tuning, Functionalization, and Reactivation of Au in TiO2 Nanoreactors. Angewandte Chemie - International Edition, 2005, 44, 4342-4345.	13.8	237
7	Shape, Size, and Phaseâ€Controlled Rareâ€Earth Fluoride Nanocrystals with Optical Upâ€Conversion Properties. Chemistry - A European Journal, 2009, 15, 11010-11019.	3.3	195
8	Monodisperse Core/Shell Ni/FePt Nanoparticles and Their Conversion to Ni/Pt to Catalyze Oxygen Reduction. Journal of the American Chemical Society, 2014, 136, 15921-15924.	13.7	165
9	Preparation of Monodisperse Au/TiO2Nanocatalysts via Self-Assembly. Chemistry of Materials, 2006, 18, 4270-4277.	6.7	134
10	Chimney effect of the interface in metal oxide/metal composite catalysts on the hydrogen evolution reaction. Applied Catalysis B: Environmental, 2019, 245, 122-129.	20.2	132
11	Modulating the oxygen reduction activity of heteroatom-doped carbon catalysts via the triple effect: charge, spin density and ligand effect. Chemical Science, 2018, 9, 5795-5804.	7.4	121
12	Advanced Atomically Dispersed Metalâ€“Nitrogenâ€“Carbon Catalysts Toward Cathodic Oxygen Reduction in PEM Fuel Cells. Advanced Energy Materials, 2021, 11, 2101222.	19.5	109
13	Noble-metal-free Co₃S₄â€“S/G porous hybrids as an efficient electrocatalyst for oxygen reduction reaction. Chemical Science, 2016, 7, 4167-4173.	7.4	98
14	A eutectic salt-assisted semi-closed pyrolysis route to fabricate high-density active-site hierarchically porous Fe/N/C catalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 15504-15509.	10.3	98
15	Construction of TiO₂ Hierarchical Nanostructures from Nanocrystals and Their Photocatalytic Properties. ACS Applied Materials & Interfaces, 2011, 3, 3448-3453.	8.0	95
16	TiO₂ Thin Films Prepared via Adsorptive Self-Assembly for Self-Cleaning Applications. ACS Applied Materials & Interfaces, 2012, 4, 1093-1102.	8.0	92
17	Influence of Phosphorus Configuration on Electronic Structure and Oxygen Reduction Reactions of Phosphorus-Doped Graphene. Journal of Physical Chemistry C, 2017, 121, 19321-19328.	3.1	86
18	Preparation of Hollow Nitrogen Doped Carbon via Stresses Induced Orientation Contraction. Small, 2018, 14, e1804183.	10.0	83

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19	Transforming waste expanded polystyrene foam into hyper-crosslinked polymers for carbon dioxide capture and separation. Chemical Engineering Journal, 2017, 323, 557-564.	12.7	71
20	Synthesis of graphene oxide/polypyrrole nanowire composites for supercapacitors. Materials Letters, 2012, 78, 106-109.	2.6	68
21	Recent Progress of Carbonâ€Based Materials in Oxygen Reduction Reaction Catalysis. ChemElectroChem, 2018, 5, 1764-1774.	3.4	66
22	pH-Dependent Degradation of Methylene Blue via Rational-Designed MnO₂ Nanosheet-Decorated Diatomites. Industrial & Engineering Chemistry Research, 2014, 53, 6966-6977.	3.7	65
23	Graphitized carbon-coated vanadium carbide nanoboscages modified by nickel with enhanced electrocatalytic activity for hydrogen evolution in both acid and alkaline solutions. Journal of Materials Chemistry A, 2017, 5, 23028-23034.	10.3	65
24	Understanding the Roles of Nitrogen Configurations in Hydrogen Evolution: Trace Atomic Cobalt Boosts the Activity of Planar Nitrogen-Doped Graphene. ACS Energy Letters, 2018, 3, 1345-1352.	17.4	65
25	Synthesis of ordered mesoporous MgO/carbon composites by a one-pot assembly of amphiphilic triblock copolymers. Journal of Materials Chemistry, 2011, 21, 795-800.	6.7	64
26	Ni@Li2O co-axial nanowire based reticular anode: Tuning electric field distribution for homogeneous lithium deposition. Energy Storage Materials, 2019, 18, 155-164.	18.0	59
27	A novel TFC-type FO membrane with inserted sublayer of carbon nanotube networks exhibiting the improved separation performance. Desalination, 2017, 413, 176-183.	8.2	57
28	Dual-porosity Mn2O3 cubes for highly efficient dye adsorption. Journal of Hazardous Materials, 2017, 333, 222-231.	12.4	57
29	Rational design of hierarchically porous birnessite-type manganese dioxides nanosheets on different one-dimensional titania-based nanowires for high performance supercapacitors. Journal of Power Sources, 2014, 270, 675-683.	7.8	54
30	S, N co-doped carbon nanotube encased Co NPs as efficient bifunctional oxygen electrocatalysts for zinc-air batteries. Chemical Engineering Journal, 2021, 422, 130135.	12.7	54
31	Improving the separation performance of the forward osmosis membrane based on the etched microstructure of the supporting layer. Desalination, 2017, 408, 102-109.	8.2	51
32	One-pot controllable synthesis of flower-like CoFe2O4/FeOOH nanocomposites for high-performance supercapacitors. Materials Letters, 2014, 123, 229-234.	2.6	47
33	Role of non-metallic atoms in enhancing the catalytic activity of nickel-based compounds for hydrogen evolution reaction. Chemical Science, 2018, 9, 1822-1830.	7.4	46
34	Construction of Soft Base Tongs on Separator to Grasp Polysulfides from Shuttling in Lithiumâ€“Sulfur Batteries. Small, 2018, 14, e1804277.	10.0	46
35	High-density active sites porous Fe/N/C electrocatalyst boosting the performance of proton exchange membrane fuel cells. Journal of Power Sources, 2018, 401, 287-295.	7.8	44
36	Enveloping ultrathin Ti₃C₂ nanosheets on carbon fibers: a high-density sulfur loaded lithiumâ€“sulfur battery cathode with remarkable cycling stability. Journal of Materials Chemistry A, 2020, 8, 7253-7260.	10.3	44

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37	Nano-gold plasmon coupled with dual-function quercetin for enhanced photoelectrochemical aptasensor of tetracycline. Sensors and Actuators B: Chemical, 2017, 243, 1027-1033.	7.8	38
38	Carbon-based catalysts by structural manipulation with iron for oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 8405-8412.	10.3	38
39	A phase-transition-assisted method for the rational synthesis of nitrogen-doped hierarchically porous carbon materials for the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 878-883.	10.3	38
40	Role of Hydroxyl Species in Hydrogen Oxidation Reaction: A DFT Study. Journal of Physical Chemistry C, 2019, 123, 23931-23939.	3.1	35
41	Preparation of highly dispersed carbon supported AuPt nanoparticles via a capping agent-free route for efficient methanol oxidation. Journal of Materials Chemistry A, 2018, 6, 104-109.	10.3	30
42	Phase control of 2D binary hydroxides nanosheets via controlling-release strategy for enhanced oxygen evolution reaction and supercapacitor performances. Journal of Energy Chemistry, 2019, 38, 26-33.	12.9	30
43	Preparation of MgO nanomaterials by microemulsion-based oil/water interface precipitation. Materials Letters, 2016, 171, 204-207.	2.6	29
44	Novel adsorbents derived from recycled waste polystyrene via cross-linking reaction for enhanced adsorption capacity and separation selectivity of CO2. Journal of the Taiwan Institute of Chemical Engineers, 2019, 97, 381-388.	5.3	29
45	Magnetic spherical cores partly coated with periodic mesoporous organosilica single crystals. Nanoscale, 2012, 4, 1647.	5.6	27
46	Improved hydrogen oxidation reaction under alkaline conditions by Auâ€“Pt alloy nanoparticles. Journal of Energy Chemistry, 2020, 40, 52-56.	12.9	25
47	ZnCl2 salt facilitated preparation of FeNC: Enhancing the content of active species and their exposure for highly-efficient oxygen reduction reaction. Chinese Journal of Catalysis, 2020, 41, 799-806.	14.0	24
48	Intrinsic effects of strain on low-index surfaces of platinum: roles of the five 5d orbitals. Physical Chemistry Chemical Physics, 2019, 21, 3242-3249.	2.8	23
49	An unusual example of morphology controlled periodic mesoporous organosilica single crystals. Journal of Materials Chemistry, 2010, 20, 6460.	6.7	22
50	Quantified mass transfer and superior antiflooding performance of ordered macroâ€mesoporous electrocatalysts. AICHE Journal, 2018, 64, 2881-2889.	3.6	22
51	Synthesis of sea-urchin-like Fe3O4/SnO2 heterostructures and its application for environmental remediation by removal of p-chlorophenol. Journal of Materials Science, 2019, 54, 1341-1350.	3.7	22
52	Functionalâ€Group Modification of Kraft Lignin for Enhanced Supercapacitors. ChemSusChem, 2020, 13, 2628-2633.	6.8	22
53	One-pot preparation and enhanced photocatalytic and electrocatalytic activities of ultralarge Ag/ZnO hollow coupled structures. CrystEngComm, 2012, 14, 6738.	2.6	21
54	Co₉S₈@N,S-codoped carbon coreâ€“shell structured nanowires: constructing a fluffy surface for high-density active sites. Journal of Materials Chemistry A, 2018, 6, 14752-14760.	10.3	19

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55	An unusual low-surface-area nitrogen doped carbon for ultrahigh gravimetric and volumetric capacitances. Journal of Materials Chemistry A, 2018, 6, 8868-8873.	10.3	18
56	Construction of hierarchical MgAl2O4 spinel as catalytic supports. Materials Letters, 2015, 159, 204-206.	2.6	17
57	3D hierarchical Co 3 O 4 : Controlled preparation of coral-/urchin-like structures and application in photo-catalytic degradation. Journal of Alloys and Compounds, 2017, 720, 437-444.	5.5	15
58	Intricately structured mesoporous organosilica nanoparticles: synthesis strategies and biomedical applications. Biomaterials Science, 2021, 9, 1609-1626.	5.4	13
59	Assembly of TiO₂â€onâ€Cu₂O Nanocubes with Narrowâ€Band Cu₂Oâ€Induced Visibleâ€Lightâ€Enhanced Photocatalytic Activity. ChemPlusChem, 2014, 79, 298-303.	2.8	12
60	The effect of copper species in copper-ceria catalysts: structure evolution and enhanced performance in CO oxidation. RSC Advances, 2016, 6, 46966-46971.	3.6	12
61	Alloys with Pt-skin or Pt-rich surface for electrocatalysis. Current Opinion in Chemical Engineering, 2018, 20, 60-67.	7.8	12
62	N-doped and Fe-, N-codoped carbon: tuning of porous structures for highly efficient oxygen reduction reaction. Journal of Materials Science, 2018, 53, 15246-15256.	3.7	12
63	Shell-strengthened hollow architecture of NiCo2S4 carved through an in-situ reaction Ostwald Ripening mechanism with significantly enhanced electrochemical performance. Journal of Alloys and Compounds, 2021, 889, 161632.	5.5	12
64	Selfâ€assembly of Î±â€MoO₃ flower as a highly effective organics adsorbent for water purification. Journal of the American Ceramic Society, 2019, 102, 3307-3317.	3.8	11
65	The Role of Polyaniline Molecular Structure in Producing Highâ€Performance Feâ€Nâ€C Catalysts for Oxygen Reduction Reaction. ChemistrySelect, 2019, 4, 8135-8141.	1.5	8
66	Theoretical research on the oxidation mechanism of doped carbon based catalysts for oxygen reduction reaction. Physical Chemistry Chemical Physics, 2019, 21, 26102-26110.	2.8	8
67	Boosting Hydrogen Evolution Reaction of Nickel Sulfides by Introducing Nonmetallic Dopants. Journal of Physical Chemistry C, 2020, 124, 24223-24231.	3.1	8
68	Enhancing Rate Performances of Carbon Based Supercapacitors. ChemistrySelect, 2019, 4, 6827-6832.	1.5	7
69	A bimodal-pore strategy for synthesis of Pt₃Co/C electrocatalyst toward oxygen reduction reaction. Chemical Communications, 2021, 57, 4327-4330.	4.1	7
70	Modifying the sensibility of nonmetal-doped phosphorene by local or global properties. Physical Chemistry Chemical Physics, 2019, 21, 4899-4906.	2.8	7
71	Chemically synthesized (Ag, Mn₂O₃)-codecorated ZnO nanoparticles for achieving superior visible light-induced photodegradation and enhanced gas sensing activity. Physical Chemistry Chemical Physics, 2021, 23, 13797-13807.	2.8	6
72	High-loading Pt-alloy catalysts for boosted oxygen reduction reaction performance. Chinese Journal of Chemical Engineering, 2022, 48, 30-35.	3.5	5

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73	Improved Performance for the Electrochemical Sensing of Acyclovir by Using the rGOâ€“TiO2â€“Au Nanocomposite-Modified Electrode. Frontiers in Chemistry, 2022, 10, .	3.6	5
74	High-resolution electron microscopy study of mesoporous dichalcogenides and their hydrogen storage properties. Nanotechnology, 2011, 22, 075702.	2.6	4
75	Freestanding and flexible electrode: Heterostructured Ag/C nanofiber network with ultra high conductivity. Journal of Alloys and Compounds, 2018, 735, 2012-2021.	5.5	2
76	Iron/nickel Alloy Nanoparticles Embedded in N-doped Porous Carbon for Robust Oxygen Evolution Reaction. Acta Chimica Sinica, 2019, 77, 84.	1.4	1
77	The catalysis of (de)lithiation in a nerve-cell-like anode of Li-ion battery. Journal of Materials Chemistry A, 0, , .	10.3	1
78	Size Tuning, Functionalization, and Reactivation of Au in TiO2 Nanoreactors.. ChemInform, 2005, 36, no.	0.0	0
79	Fast Charge Transfer Confers New Skills on 3D Graphene Sponges: Human Body Induction and Infrared Radiation Induction. ChemNanoMat, 2019, 5, 411-416.	2.8	0