Yanqiang Li

List of Publications by Year
in descending order

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Version: 2024-02-01

75 papers	2,813 citations	159585 30 h-index	182427 51 g-index
75 all docs	75 docs citations	75 times ranked	3493 citing authors

#	Article	IF	Citations
1	Platinumâ€Free Catalysts as Counter Electrodes in Dyeâ€Sensitized Solar Cells. ChemSusChem, 2012, 5, 1343-1357.	6.8	194
2	Recent Progress in MXeneâ€Based Materials: Potential Highâ€Performance Electrocatalysts. Advanced Functional Materials, 2020, 30, 2003437.	14.9	181
3	Metal Oxide/Carbide/Carbon Nanocomposites: In Situ Synthesis, Characterization, Calculation, and their Application as an Efficient Counter Electrode Catalyst for Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2013, 3, 1407-1412.	19.5	157
4	Interface engineering of transitional metal sulfideâ€“MoS₂ heterostructure composites as effective electrocatalysts for water-splitting. Journal of Materials Chemistry A, 2021, 9, 2070-2092.	10.3	136
5	Ptâ€like Behavior of Highâ€Performance Counter Electrodes Prepared from Binary Tantalum Compounds Showing High Electrocatalytic Activity for Dyeâ€Sensitized Solar Cells. ChemSusChem, 2013, 6, 411-416.	6.8	132
6	Influence of nitrogen dopants on N-doped TiO2 electrodes and their applications in dye-sensitized solar cells. Electrochimica Acta, 2011, 56, 4611-4617.	5.2	86
7	Synthesis of Coâ€“B in porous carbon using a metalâ€“organic framework (MOF) precursor: A highly efficient catalyst for the oxygen evolution reaction. Electrochemistry Communications, 2018, 86, 140-144.	4.7	86
8	A New Type of Dyeâ€Sensitized Solar Cell with a Multilayered Photoanode Prepared by a Filmâ€Transfer Technique. Advanced Materials, 2011, 23, 2764-2768.	21.0	80
9	Singleâ€Atom and Dualâ€Atom Electrocatalysts Derived from Metal Organic Frameworks: Current Progress and Perspectives. ChemSusChem, 2021, 14, 73-93.	6.8	76
10	Printable electrolytes for highly efficient quasi-solid-state dye-sensitized solar cells. Electrochimica Acta, 2013, 91, 302-306.	5.2	73
11	Solidâ€State Synthesis of ZnO Nanostructures for Quasiâ€Solid Dyeâ€Sensitized Solar Cells with High Efficiencies up to 6.46%. Advanced Materials, 2013, 25, 4413-4419.	21.0	72
12	2D nanoplate assembled nitrogen doped hollow carbon sphere decorated with Fe3O4 as an efficient electrocatalyst for oxygen reduction reaction and Zn-air batteries. Nano Research, 2019, 12, 2774-2780.	10.4	64
13	In situ fabrication of 2D SnS2 nanosheets as a new electron transport layer for perovskite solar cells. Nano Research, 2018, 11, 5913-5923.	10.4	62
14	One-dimensional MoO₂â€“Co₂Mo₃O₈@C nanorods: a novel and highly efficient oxygen evolution reaction catalyst derived from metalâ€“organic framework composites. Chemical Communications, 2018, 54, 2739-2742.	4.1	61
15	Metalâ€“organic framework based bifunctional oxygen electrocatalysts for rechargeable zincâ€“air batteries: current progress and prospects. Chemical Science, 2020, 11, 11646-11671.	7.4	60
16	Transition metal selenides as efficient counter-electrode materials for dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2015, 17, 28985-28992.	2.8	59
17	Catalytic activities enhanced by abundant structural defects and balanced N distribution of N-doped graphene in oxygen reduction reaction. Journal of Power Sources, 2016, 306, 85-91.	7.8	59
18	Highly efficient dye-sensitized solar cells based on nitrogen-doped titania with excellent stability. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 219, 180-187.	3.9	57

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19	Enhanced Photoconversion Efficiency of Allâ€Flexible Dyeâ€Sensitized Solar Cells Based on a Ti Substrate with TiO₂ Nanoforest Underlayer. Small, 2012, 8, 3427-3431.	10.0	53
20	Heterostructured MoO2@MoS2@Co9S8 nanorods as high efficiency bifunctional electrocatalyst for overall water splitting. Applied Surface Science, 2021, 543, 148804.	6.1	53
21	Current progress of metal sulfides derived from metalâ€“organic frameworks for advanced electrocatalysis: potential electrocatalysts with diverse applications. Journal of Materials Chemistry A, 2022, 10, 1617-1641.	10.3	51
22	Several economical and eco-friendly bio-carbon electrodes for highly efficient perovskite solar cells. Carbon, 2020, 162, 267-272.	10.3	48
23	High-efficiency flexible dye-sensitized solar cells fabricated by a novel friction-transfer technique. Electrochemistry Communications, 2010, 12, 1000-1003.	4.7	45
24	Double shelled hollow CoS2@MoS2@NiS2 polyhedron as advanced trifunctional electrocatalyst for zinc-air battery and self-powered overall water splitting. Journal of Colloid and Interface Science, 2022, 610, 653-662.	9.4	44
25	SnSâ€Quantum Dot Solar Cells Using Novel TiC Counter Electrode and Organic Redox Couples. Chemistry - A European Journal, 2012, 18, 7862-7868.	3.3	39
26	Alternative electrodes for HTMs and noble-metal-free perovskite solar cells: 2D MXenes electrodes. RSC Advances, 2019, 9, 34152-34157.	3.6	39
27	A novel strategy to synthesize NiCo layered double hydroxide nanotube from metal organic framework composite for high-performance supercapacitor. Journal of Alloys and Compounds, 2020, 831, 154794.	5.5	39
28	Defect and interface engineering in metal sulfide catalysts for the electrocatalytic nitrogen reduction reaction: a review. Journal of Materials Chemistry A, 2022, 10, 6927-6949.	10.3	39
29	Influence of the benzo[d]thiazole-derived Ï€-bridges on the optical and photovoltaic performance of Dâ€“Ï€â€“A dyes. Dyes and Pigments, 2013, 96, 619-625.	3.7	31
30	Facile synthesis of N, S co-doped porous carbons from a dual-ligand metal organic framework for high performance oxygen reduction reaction catalysts. Electrochimica Acta, 2017, 254, 148-154.	5.2	31
31	Porous carbon derived from metal organic framework for gas storage and separation: The size effect. Inorganic Chemistry Communication, 2020, 118, 107999.	3.9	30
32	Interface Engineering and Anion Engineering of Moâ€Based Heterogeneous Electrocatalysts for Hydrogen Evolution Reaction. Energy and Environmental Materials, 2023, 6, .	12.8	30
33	Optimization of the Performance of Dyeâ€Sensitized Solar Cells Based on Ptâ€Like TiC Counter Electrodes. European Journal of Inorganic Chemistry, 2012, 2012, 3557-3561.	2.0	29
34	The synergetic effect of h-BN shells and subsurface B in CoB_x@h-BN nanocatalysts for enhanced oxygen evolution reactions. Journal of Materials Chemistry A, 2018, 6, 10644-10648.	10.3	28
35	Two-dimensional CuAg/Ti₃C₂ catalyst for electrochemical synthesis of ammonia under ambient conditions: a combined experimental and theoretical study. Sustainable Energy and Fuels, 2020, 4, 5061-5071.	4.9	26
36	Oneâ€Stage Method for Fabricating Superhydrophobic Stainless Steel Surface and Its Antiâ€Corrosion Performance. Advanced Engineering Materials, 2017, 19, 1600511.	3.5	25

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37	Nanotube assembled coral-like ZnS@N, S co-doped carbon: A sodium-ion batteries anode material with outstanding stability and rate performance. Applied Surface Science, 2021, 535, 147748.	6.1	25
38	Current progress of molybdenum carbide-based materials for electrocatalysis: potential electrocatalysts with diverse applications. Materials Today Chemistry, 2021, 19, 100411.	3.5	23
39	Mechanism of Enhancement in Perovskite Solar Cells by Organosulfur Amine Constructed 2D/3D Heterojunctions. Journal of Physical Chemistry C, 2021, 125, 16428-16434.	3.1	23
40	Facile synthesis of ZnS decorated N, S co-doped carbon polyhedron as high efficiency oxygen reduction reaction catalyst for Zn-air battery. Applied Surface Science, 2020, 509, 145367.	6.1	22
41	A novel strategy to synthesize CoMoO4 nanotube as highly efficient oxygen evolution reaction electrocatalyst. Catalysis Communications, 2019, 131, 105800.	3.3	20
42	Bimetallic cobalt molybdenum carbideâ€“cobalt composites as superior bifunctional oxygen electrocatalysts for Znâ€“air batteries. Materials Today Energy, 2020, 18, 100565.	4.7	20
43	In-Situ Grown Ni(OH)₂Nanosheets on Ni Foam for Hybrid Supercapacitors with High Electrochemical Performance. Journal of the Electrochemical Society, 2018, 165, A882-A890.	2.9	17
44	Facile synthesis of carbon coated cobalt-cobalt molybdenum carbide as advanced bifunctional oxygen electrocatalyst for rechargeable Zn-air battery. Journal of Alloys and Compounds, 2022, 897, 163203.	5.5	17
45	Incredible PCE enhancement induced by damaged perovskite layers: deeply understanding the working principle of additives in bulk heterojunction perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 4365-4373.	10.3	16
46	Seamless Interfacial Formation by Solution-Processed Amorphous Hydroxide Semiconductor for Highly Efficient Electron Transport. ACS Applied Energy Materials, 2018, 1, 4564-4571.	5.1	16
47	Nanowireâ€Templated Synthesis of FeN x â€Đecorated Carbon Nanotubes as Highly Efficient, Universalâ€pH, Oxygen Reduction Reaction Catalysts. Chemistry - A European Journal, 2019, 25, 2637-2644.	3.3	16
48	Synthesis of Fe, Co Incorporated in P-Doped Porous Carbon Using a Metal-Organic Framework (MOF) Precursor as Stable Catalysts for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2018, 165, G3080-G3086.	2.9	14
49	Interface engineering of the MoS2/NiS2/CoS2 nanotube as a highly efficient bifunctional electrocatalyst for overall water splitting. Materials Today Nano, 2022, 17, 100156.	4.6	14
50	Effective Oxygen Reduction and Evolution Catalysts Derived from Metal Organic Frameworks by Optimizing Active Sites. Journal of the Electrochemical Society, 2018, 165, F158-F165.	2.9	13
51	Confined Synthesis of N, P Coâ€“Doped 3D Hierarchical Carbons as Highâ€Efficiency Oxygen Reduction Reaction Catalysts for Znâ€“Air Battery. ChemElectroChem, 2020, 7, 4131-4135.	3.4	13
52	Hierarchical MoO₄^{2â€“} Intercalating Î±-Co(OH)₂ Nanosheet Assemblies: Green Synthesis and Ultrafast Reconstruction for Boosting Electrochemical Oxygen Evolution. Energy & Fuels, 2021, 35, 2775-2784.	5.1	13
53	Killing Two Birds with One Stone: A Highly Active Tubular Carbon Catalyst with Effective N Doping for Oxygen Reduction and Hydrogen Evolution Reactions. Catalysis Letters, 2019, 149, 486-495.	2.6	12
54	Morphology engineering of cobalt embedded in nitrogen doped porous carbon as bifunctional oxygen electrocatalyst for Zn-air battery. Materials Today Energy, 2020, 17, 100455.	4.7	12

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55	Synthesis and photoelectric properties of an organic dye containing benzo[1,2-b:4,5-bâ€²]dithiophene for dye-sensitized solar cells. Chinese Chemical Letters, 2013, 24, 149-152.	9.0	11
56	Low-cost, large-scale, one-pot synthesis of C/Ni3(NO3)2(OH)4 composites for high performance supercapacitor. Materials Chemistry and Physics, 2018, 217, 291-299.	4.0	11
57	Enhancing oxygen evolution reaction electrocatalytic performance with vanadium-doped Co/CoO encapsulated in carbon nanorod. Inorganic Chemistry Communication, 2019, 103, 1-5.	3.9	10
58	Efficient oxygen reduction reaction catalyst derived from ZnO@ zeolite imidazolate framework nanowire composite. Inorganic Chemistry Communication, 2019, 101, 23-26.	3.9	10
59	Intermediate-Controlled Interfacial Engineering for Stable and Highly Efficient Carbon-Based PSCs. ACS Applied Materials & Interfaces, 2020, 12, 34479-34486.	8.0	9
60	<scp> CO ₂ </scp> electroreduction by <scp>AuCu</scp> bimetallic clusters: A first principles study. International Journal of Energy Research, 2021, 45, 18684-18694.	4.5	9
61	Petal-like Fe_xS_y/WS₂ Heterojunction Nanosheets as an Electrocatalyst for Highly Effective Hydrogen Evolution Reaction. Energy & Fuels, 2022, 36, 4888-4894.	5.1	9
62	Performance of Dyeâ€Sensitized Solar Cells Based on MWCNT/TiO_{2â€“x}N_x Nanocomposite Electrodes. European Journal of Inorganic Chemistry, 2011, 2011, 1776-1783.	2.0	8
63	In Situ Fabrication of Nanoepitaxial TiO₂ Protection Layer on Si Substrate: Hole Chemical Conduction Instead of Tunneling Effect. Solar Rrl, 2017, 1, 1700064.	5.8	7
64	Theoretical and experimental studies of the influence of microstructure on anti-tarnish ability of cyanide-free silver deposit. Ionics, 2019, 25, 849-857.	2.4	7
65	High-Quality Inorganic Chemistry Teaching During COVID-19. Journal of Chemical Education, 2020, 97, 2945-2949.	2.3	7
66	Light engineering for bifacial transparent perovskite solar cells with high performance. Optical Engineering, 2017, 56, 1.	1.0	7
67	In Situ Fabrication of Integrated Electrode of Perovskite Solar Cells. Chemistry Letters, 2017, 46, 1687-1690.	1.3	6
68	Theoretical and Experimental Studies of the Prevention Mechanism of Organic Inhibitors on Silver Anti-Tarnish. Journal of the Electrochemical Society, 2018, 165, H725-H732.	2.9	5
69	Engineering strategies for boosting the nitrogen reduction reaction performance of MoS2-based electrocatalysts. Materials Today Nano, 2022, 18, 100202.	4.6	5
70	Preparation of AgCl photocatalyst by recovering silver from discarded cyanide-free silver electrodeposition bath: insightful investigation of quantum chemical calculations and experiment. Ionics, 2019, 25, 2419-2426.	2.4	4
71	A facile and general procedure to hyperporous carbons: carbonization of organic zinc salts. Materials Today Energy, 2020, 17, 100446.	4.7	4
72	Enhanced photoactivities of TiO 2 particles induced by bio-inspired micro-nanoscale substrate. Journal of Colloid and Interface Science, 2016, 470, 10-13.	9.4	3

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73	A facile approach for the fabrication of loading-controlled Ag/C foam catalyst. Ionics, 2019, 25, 361-365.	2.4	0
74	Theoretical study of the influence of doped oxygen group elements on the properties of organic semiconductors. Nanoscale Advances, 2021, 3, 3100-3106.	4.6	0
75	Investigation of the interfacial behavior of organics on sulfide semiconductor surfaces by quantum chemical calculations and molecular dynamics simulations. New Journal of Chemistry, 2021, 45, 19321-19328.	2.8	0