Hongdong Li

List of Publications by Year
in descending order

28 papers	1,493 citations	394421 19 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	1586 citing authors

#	Article	IF	Citations
1	Coordination engineering of cobalt phthalocyanine by functionalized carbon nanotube for efficient and highly stable carbon dioxide reduction at high current density. Nano Research, 2022, 15, 3056-3064.	10.4	40
2	Multiâ€Site Electrocatalysts Boost pHâ€Universal Nitrogen Reduction by Highâ€Entropy Alloys. Advanced Functional Materials, 2021, 31, 2006939.	14.9	99
3	Multiâ€Sites Electrocatalysis in Highâ€Entropy Alloys. Advanced Functional Materials, 2021, 31, 2106715.	14.9	128
4	Ultrafast Generation of Nanostructured Noble Metal Aerogels by a Microwave Method for Electrocatalytic Hydrogen Evolution and Ethanol Oxidation. ACS Applied Nano Materials, 2021, 4, 11221-11230.	5.0	10
5	A simple, rapid and scalable synthesis approach for ultra-small size transition metal selenides with efficient water oxidation performance. Journal of Materials Chemistry A, 2021, 9, 24261-24267.	10.3	16
6	High-performance nitrogen electroreduction at low overpotential by introducing Pb to Pd nanosponges. Applied Catalysis B: Environmental, 2020, 265, 118481.	20.2	62
7	Chemically coupled NiCoS/C nanocages as efficient electrocatalysts for nitrogen reduction reactions. Journal of Materials Chemistry A, 2020, 8, 543-547.	10.3	52
8	Surface oxygen-mediated ultrathin PtRuM (Ni, Fe, and Co) nanowires boosting methanol oxidation reaction. Journal of Materials Chemistry A, 2020, 8, 2323-2330.	10.3	67
9	Fast site-to-site electron transfer of high-entropy alloy nanocatalyst driving redox electrocatalysis. Nature Communications, 2020, 11, 5437.	12.8	288
10	Exposure of Definite Palladium Facets Boosts Electrocatalytic Nitrogen Fixation at Low Overpotential. Advanced Energy Materials, 2020, 10, 2002131.	19.5	45
11	Significantly enhanced electrocatalytic N₂reduction to NH₃by surface selenization with multiple functions. Journal of Materials Chemistry A, 2020, 8, 20331-20336.	10.3	16
12	High-efficiency methanol oxidation electrocatalysts realized by ultrathin PtRuMâ€“O (M = Ni, Fe, Co) nanosheets. Chemical Communications, 2020, 56, 9028-9031.	4.1	19
13	Insights into Excitonic Dynamics of Terpolymer-Based High-Efficiency Nonfullerene Polymer Solar Cells: Enhancing the Yield of Charge Separation States. ACS Applied Materials & Interfaces, 2020, 12, 8475-8484.	8.0	62
14	Self-supported Co(CO3)0.5(OH)Â·0.11H2O nanoneedles coated with CoSe2-Ni3Se2 nanoparticles as highly active bifunctional electrocatalyst for overall water splitting. Applied Surface Science, 2019, 495, 143606.	6.1	23
15	Controllable synthesized CoP-MP (M=Fe, Mn) as efficient and stable electrocatalyst for hydrogen evolution reaction at all pH values. International Journal of Hydrogen Energy, 2019, 44, 19978-19985.	7.1	34
16	Supramolecular assemblies of bi-component molecular solids formed between homopiperazine and organic acids. Journal of Molecular Structure, 2019, 1196, 828-835.	3.6	1
17	Catalytic Cathodes: A Highly Reversible Longâ€Life Liâ€“CO₂ Battery with a RuP₂â€Based Catalytic Cathode (Small 29/2019). Small, 2019, 15, 1970155.	10.0	2
18	Enhancing hot-electron generation and transfer from metal to semiconductor in a plasmonic absorber. Nano Energy, 2019, 63, 103873.	16.0	23

#	Article	IF	Citations
19	Hydrothermal synthesis and electrochemical properties of 3D Zn2V2O7 microsphere for alkaline rechargeable battery. Journal of Power Sources, 2019, 439, 227087.	7.8	14
20	Configuration-Modulated Hot Electron Dynamics of Gold Nanorod Assemblies. Journal of Physical Chemistry Letters, 2019, 10, 6578-6583.	4.6	5
21	The comprehensive utilization of the synergistic effect of fullerene and non-fullerene acceptors to achieve highly efficient polymer solar cells. Journal of Materials Chemistry A, 2019, 7, 15841-15850.	10.3	118
22	Coordination preference of 1,2-bis((1H-imidazole-1-yl)methyl)benzene and different carboxylate ligands with transition metal ions directed by weak interactions. Journal of Solid State Chemistry, 2019, 275, 124-130.	2.9	4
23	Two isostructural Co/Ni fluorine-containing metal-organic frameworks for dye adsorption and supercapacitor. Journal of Solid State Chemistry, 2019, 275, 1-7.	2.9	30
24	Advanced Ultrathin RuPdM (M = Ni, Co, Fe) Nanosheets Electrocatalyst Boosts Hydrogen Evolution. ACS Central Science, 2019, 5, 1991-1997.	11.3	78
25	Ru nanosheet catalyst supported by three-dimensional nickel foam as a binder-free cathode for Liâ€“CO2 batteries. Electrochimica Acta, 2019, 299, 592-599.	5.2	55
26	A Highly Reversible Longâ€Life Liâ€“CO₂ Battery with a RuP₂â€Based Catalytic Cathode. Small, 2019, 15, e1803246.	10.0	80
27	Enhanced efficiency of polymer solar cells through synergistic optimization of mobility and tuning donor alloys by adding high-mobility conjugated polymers. Journal of Materials Chemistry C, 2018, 6, 11015-11022.	5.5	87
28	First achieving highly selective oxidation of aliphatic alcohols to aldehydes over photocatalysts. Journal of Materials Chemistry A, 2018, 6, 13236-13243.	10.3	35