

Hongdong Li

List of Publications by Year in descending order

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28
papers

1,493
citations

394421

19
h-index

501196

28
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all docs

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docs citations

28
times ranked

1586
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast site-to-site electron transfer of high-entropy alloy nanocatalyst driving redox electrocatalysis. <i>Nature Communications</i> , 2020, 11, 5437.	12.8	288
2	Multi-Sites Electrocatalysis in High-Entropy Alloys. <i>Advanced Functional Materials</i> , 2021, 31, 2106715.	14.9	128
3	The comprehensive utilization of the synergistic effect of fullerene and non-fullerene acceptors to achieve highly efficient polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15841-15850.	10.3	118
4	Multi-Site Electrocatalysts Boost pH-Universal Nitrogen Reduction by High-Entropy Alloys. <i>Advanced Functional Materials</i> , 2021, 31, 2006939.	14.9	99
5	Enhanced efficiency of polymer solar cells through synergistic optimization of mobility and tuning donor alloys by adding high-mobility conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11015-11022.	5.5	87
6	A Highly Reversible Long-Life Li-CO ₂ Battery with a RuP ₂ -Based Catalytic Cathode. <i>Small</i> , 2019, 15, e1803246.	10.0	80
7	Advanced Ultrathin RuPdM (M = Ni, Co, Fe) Nanosheets Electrocatalyst Boosts Hydrogen Evolution. <i>ACS Central Science</i> , 2019, 5, 1991-1997.	11.3	78
8	Surface oxygen-mediated ultrathin PtRuM (Ni, Fe, and Co) nanowires boosting methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2323-2330.	10.3	67
9	High-performance nitrogen electroreduction at low overpotential by introducing Pb to Pd nanosponges. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118481.	20.2	62
10	Insights into Excitonic Dynamics of Terpolymer-Based High-Efficiency Nonfullerene Polymer Solar Cells: Enhancing the Yield of Charge Separation States. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8475-8484.	8.0	62
11	Ru nanosheet catalyst supported by three-dimensional nickel foam as a binder-free cathode for Li-CO ₂ batteries. <i>Electrochimica Acta</i> , 2019, 299, 592-599.	5.2	55
12	Chemically coupled NiCoS/C nanocages as efficient electrocatalysts for nitrogen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 543-547.	10.3	52
13	Exposure of Definite Palladium Facets Boosts Electrocatalytic Nitrogen Fixation at Low Overpotential. <i>Advanced Energy Materials</i> , 2020, 10, 2002131.	19.5	45
14	Coordination engineering of cobalt phthalocyanine by functionalized carbon nanotube for efficient and highly stable carbon dioxide reduction at high current density. <i>Nano Research</i> , 2022, 15, 3056-3064.	10.4	40
15	First achieving highly selective oxidation of aliphatic alcohols to aldehydes over photocatalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13236-13243.	10.3	35
16	Controllable synthesized CoP-MP (M=Fe, Mn) as efficient and stable electrocatalyst for hydrogen evolution reaction at all pH values. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19978-19985.	7.1	34
17	Two isostructural Co/Ni fluorine-containing metal-organic frameworks for dye adsorption and supercapacitor. <i>Journal of Solid State Chemistry</i> , 2019, 275, 1-7.	2.9	30
18	Self-supported Co(CO ₃) _{0.5} (OH)·0.11H ₂ O nanoneedles coated with CoSe ₂ -Ni ₃ Se ₂ nanoparticles as highly active bifunctional electrocatalyst for overall water splitting. <i>Applied Surface Science</i> , 2019, 495, 143606.	6.1	23

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19	Enhancing hot-electron generation and transfer from metal to semiconductor in a plasmonic absorber. <i>Nano Energy</i> , 2019, 63, 103873.	16.0	23
20	High-efficiency methanol oxidation electrocatalysts realized by ultrathin PtRuM ⁺ O (M = Ni, Fe, Co) nanosheets. <i>Chemical Communications</i> , 2020, 56, 9028-9031.	4.1	19
21	Significantly enhanced electrocatalytic N ₂ reduction to NH ₃ by surface selenization with multiple functions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20331-20336.	10.3	16
22	A simple, rapid and scalable synthesis approach for ultra-small size transition metal selenides with efficient water oxidation performance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24261-24267.	10.3	16
23	Hydrothermal synthesis and electrochemical properties of 3D Zn ₂ V ₂ O ₇ microsphere for alkaline rechargeable battery. <i>Journal of Power Sources</i> , 2019, 439, 227087.	7.8	14
24	Ultrafast Generation of Nanostructured Noble Metal Aerogels by a Microwave Method for Electrocatalytic Hydrogen Evolution and Ethanol Oxidation. <i>ACS Applied Nano Materials</i> , 2021, 4, 11221-11230.	5.0	10
25	Configuration-Modulated Hot Electron Dynamics of Gold Nanorod Assemblies. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6578-6583.	4.6	5
26	Coordination preference of 1,2-bis((1H-imidazole-1-yl)methyl)benzene and different carboxylate ligands with transition metal ions directed by weak interactions. <i>Journal of Solid State Chemistry</i> , 2019, 275, 124-130.	2.9	4
27	Catalytic Cathodes: A Highly Reversible Long-Life Li ⁺ CO ₂ Battery with a RuP ₂ -Based Catalytic Cathode (Small 29/2019). <i>Small</i> , 2019, 15, 1970155.	10.0	2
28	Supramolecular assemblies of bi-component molecular solids formed between homopiperazine and organic acids. <i>Journal of Molecular Structure</i> , 2019, 1196, 828-835.	3.6	1