

Shuanglong Lu

List of Publications by Year in descending order

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papers

2,470
citations

279701

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all docs

49
docs citations

49
times ranked

2667
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot pyrolysis synthesis of highly active Ru/RuOX nanoclusters for water splitting. Nano Research, 2022, 15, 1020-1026.	5.8	33
2	Flexible and recyclable bio-based transient resistive memory enabled by self-healing polyimine membrane. Journal of Colloid and Interface Science, 2022, 608, 1126-1134.	5.0	15
3	High-entropy alloy stabilized active Ir for highly efficient acidic oxygen evolution. Chemical Engineering Journal, 2022, 431, 133251.	6.6	100
4	Strain Relaxation in Metal Alloy Catalysts Steers the Product Selectivity of Electrocatalytic CO ₂ Reduction. ACS Nano, 2022, 16, 3251-3263.	7.3	94
5	Conductive metal and covalent organic frameworks for electrocatalysis: design principles, recent progress and perspective. Nanoscale, 2022, 14, 277-288.	2.8	17
6	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction. ACS Nano, 2022, 16, 522-532.	7.3	52
7	Unraveling the electronegativity-dominated intermediate adsorption on high-entropy alloy electrocatalysts. Nature Communications, 2022, 13, 2662.	5.8	196
8	Interatomic Electronegativity Offset Dictates Selectivity When Catalyzing the CO ₂ Reduction Reaction. Advanced Energy Materials, 2022, 12, .	10.2	91
9	Functionalized Conjugated Microporous Polymers for Growing Sub-3 nm Pd Nanoparticles. ACS Applied Nano Materials, 2022, 5, 10090-10096.	2.4	3
10	Tuning the electronic structure of AuNi homogeneous solid-solution alloy with positively charged Ni center for highly selective electrochemical CO ₂ reduction. Chemical Engineering Journal, 2021, 404, 126523.	6.6	41
11	Fine tuning of supported covalent organic framework with molecular active sites loaded as efficient electrocatalyst for water oxidation. Chemical Engineering Journal, 2021, 415, 127850.	6.6	16
12	The 2D/2D p-n heterojunction of ZnCoMOF/g-C ₃ N ₄ with enhanced photocatalytic hydrogen evolution under visible light irradiation. Applied Organometallic Chemistry, 2021, 35, e6124.	1.7	23
13	Two-dimension on two-dimension growth: hierarchical Ni _{0.2} Mo _{0.8} N/Fe-doped Ni ₃ N nanosheet array for overall water splitting. RSC Advances, 2021, 11, 19797-19804.	1.7	7
14	Thermodynamically driven metal diffusion strategy for controlled synthesis of high-entropy alloy electrocatalysts. Chemical Communications, 2021, 57, 10027-10030.	2.2	21
15	A novel synergistic confinement strategy for controlled synthesis of high-entropy alloy electrocatalysts. Chemical Communications, 2021, 57, 2637-2640.	2.2	31
16	Interface engineering in core-shell Co ₉ S ₈ @MoS ₂ nanocrystals induces enhanced hydrogen evolution in acidic and alkaline media. New Journal of Chemistry, 2021, 45, 11167-11173.	1.4	5
17	Scalable NiCo _x S _y -PANI@GF Membranes with Broadband Light Absorption and High Salt-Resistance for Efficient Solar-Driven Interfacial Evaporation. ACS Applied Energy Materials, 2021, 4, 3563-3572.	2.5	24
18	Boosting oxygen evolution through phase and electronic modulation of highly dispersed tungsten carbide with nickel doping. Journal of Colloid and Interface Science, 2021, 585, 258-266.	5.0	14

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19	One-pot Synthesis of Pd/Azo-polymer as an Efficient Catalyst for 4-Nitrophenol Reduction and Suzuki-Miyaura Coupling Reaction. <i>Chemistry - an Asian Journal</i> , 2021, 16, 837-844.	1.7	14
20	Isolation of Metalloid Boron Atoms in Intermetallic Carbide Boosts the Catalytic Selectivity for Electrocatalytic N ₂ Fixation. <i>Advanced Energy Materials</i> , 2021, 11, 2102138.	10.2	42
21	One-dimensional, space-confined, solid-phase growth of the Cu ₉ S ₅ @MoS ₂ core-shell heterostructure for electrocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 595, 88-97.	5.0	22
22	Hyper-dendritic PdZn nanocrystals as highly stable and efficient bifunctional electrocatalysts towards oxygen reduction and ethanol oxidation. <i>Chemical Engineering Journal</i> , 2021, 420, 130503.	6.6	27
23	Oxygen vacancy-enriched Bi ₂ O ₃ /BiFeO ₃ p-n heterojunction nanofibers with highly efficient photocatalytic activity under visible light irradiation. <i>Applied Surface Science</i> , 2021, 562, 150171.	3.1	22
24	Controlled growth of ultrafine metal nanoparticles mediated by solid supports. <i>Nanoscale Advances</i> , 2021, 3, 1865-1886.	2.2	18
25	When amine-based conducting polymers meet Au nanoparticles: suppressing H ₂ evolution and promoting the selective electroreduction of CO ₂ to CO at low overpotentials. <i>Sustainable Energy and Fuels</i> , 2021, 5, 779-786.	2.5	6
26	In Situ Fabrication of Electrospun Carbon Nanofibers-Binary Metal Sulfides as Freestanding Electrode for Electrocatalytic Water Splitting. <i>Advanced Fiber Materials</i> , 2021, 3, 117-127.	7.9	53
27	Direct Z-scheme CdS-NiPc heterojunctions as noble metal-free photocatalysts for enhanced photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2021, 11, 7683-7693.	2.1	18
28	High entropy alloy nitrides with integrated nanowire/nanosheet architecture for efficient alkaline hydrogen evolution reactions. <i>New Journal of Chemistry</i> , 2021, 45, 22255-22260.	1.4	16
29	Single-atom catalysts for electrochemical clean energy conversion: recent progress and perspectives. <i>Sustainable Energy and Fuels</i> , 2020, 4, 996-1011.	2.5	36
30	Understanding the Role of Nanoscale Heterointerfaces in Core/Shell Structures for Water Splitting: Covalent Bonding Interaction Boosts the Activity of Binary Transition-Metal Sulfides. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6250-6261.	4.0	42
31	Simple construction of ruthenium single atoms on electrospun nanofibers for superior alkaline hydrogen evolution: A dynamic transformation from clusters to single atoms. <i>Chemical Engineering Journal</i> , 2020, 392, 123655.	6.6	52
32	Heterostructure design of Cu ₂ O/Cu ₂ S core/shell nanowires for solar-driven photothermal water vaporization towards desalination. <i>Sustainable Energy and Fuels</i> , 2020, 4, 6023-6029.	2.5	19
33	A stable PdCu@Pd core-shell nanobranches with enhanced activity and methanol-tolerant for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2020, 354, 136680.	2.6	11
34	Heterointerface engineering in bimetal alloy/metal carbide for superior hydrogen evolution reaction. <i>Renewable Energy</i> , 2020, 161, 1036-1045.	4.3	16
35	Direct Z-scheme Bi ₂ S ₃ /BiFeO ₃ heterojunction nanofibers with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155158.	2.8	54
36	Interannual variation, ecological risk and human health risk of heavy metals in oyster-cultured sediments in the Maowei Estuary, China, from 2011 to 2018. <i>Marine Pollution Bulletin</i> , 2020, 154, 111039.	2.3	10

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37	Broadâ€Scope Ultrafine Nanoparticles: Phosphineâ€Based Covalent Organic Framework for the Controlled Synthesis of Broadâ€Scope Ultrafine Nanoparticles (Small 8/2020). Small, 2020, 16, 2070042.	5.2	0
38	Phosphineâ€Based Covalent Organic Framework for the Controlled Synthesis of Broadâ€Scope Ultrafine Nanoparticles. Small, 2020, 16, e1906005.	5.2	82
39	In situ interfacial engineering of nickel tungsten carbide Janus structures for highly efficient overall water splitting. Science Bulletin, 2020, 65, 640-650.	4.3	51
40	Atom-precise incorporation of platinum into ultrafine transition metal carbides for efficient synergetic electrochemical hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 4911-4919.	5.2	17
41	Low-Electronegativity Vanadium Substitution in Cobalt Carbide Induced Enhanced Electron Transfer for Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 43261-43269.	4.0	49
42	Crystalline Lithium Imidazolate Covalent Organic Frameworks with High Li-Ion Conductivity. Journal of the American Chemical Society, 2019, 141, 7518-7525.	6.6	261
43	Beyond Colloidal Synthesis: Nanofiber Reactor to Design Self-Supported Coreâ€Shell Pd ₁₆ S ₇ /MoS ₂ /CNFs Electrode for Efficient and Durable Hydrogen Evolution Catalysis. ACS Applied Energy Materials, 2019, 2, 2013-2021.	2.5	15
44	<i>In situ</i> synthesis of small Pt nanoparticles on chitin aerogel derived N doped ultra-thin carbon nanofibers for superior hydrogen evolution catalysis. New Journal of Chemistry, 2019, 43, 16490-16496.	1.4	11
45	MOF-derived cobaltâ€nickel phosphide nanoboxes as electrocatalysts for the hydrogen evolution reaction. Nanoscale, 2019, 11, 21259-21265.	2.8	81
46	Binary nickel iron phosphide composites with oxidized surface groups as efficient electrocatalysts for the oxygen evolution reaction. Sustainable Energy and Fuels, 2019, 3, 3518-3524.	2.5	17
47	One-pot synthesis of PtIr tripods with a dendritic surface as an efficient catalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2017, 5, 9107-9112.	5.2	58
48	Synthesis of Ultrafine and Highly Dispersed Metal Nanoparticles Confined in a Thioether-Containing Covalent Organic Framework and Their Catalytic Applications. Journal of the American Chemical Society, 2017, 139, 17082-17088.	6.6	506
49	Hydrogen gas-assisted synthesis of worm-like PtMo wavy nanowires as efficient catalysts for the methanol oxidation reaction. Journal of Materials Chemistry A, 2016, 4, 10508-10513.	5.2	61