

Fu-min Li

List of Publications by Year in descending order

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57
papers

3,838
citations

109321

35
h-index

149698

56
g-index

59
all docs

59
docs citations

59
times ranked

3615
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Co ₃ O ₄ Nanomeshes for the Oxygen Evolution Reaction. ACS Catalysis, 2018, 8, 1913-1920.	11.2	435
2	Conductive Metal-Organic Frameworks with Extra Metallic Sites as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. Advanced Science, 2020, 7, 2000012.	11.2	197
3	Rhodium phosphide ultrathin nanosheets for hydrazine oxidation boosted electrochemical water splitting. Applied Catalysis B: Environmental, 2020, 270, 118880.	20.2	151
4	Porous Pd@PdO Nanotubes for Methanol Electrooxidation. Advanced Functional Materials, 2020, 30, 2000534.	14.9	138
5	Iron doped cobalt phosphide ultrathin nanosheets on nickel foam for overall water splitting. Journal of Materials Chemistry A, 2019, 7, 20658-20666.	10.3	123
6	Au core-PtAu alloy shell nanowires for formic acid electrolysis. Journal of Energy Chemistry, 2022, 65, 94-102.	12.9	117
7	Direct chemical synthesis of ultrathin holey iron doped cobalt oxide nanosheets on nickel foam for oxygen evolution reaction. Nano Energy, 2018, 54, 238-250.	16.0	114
8	Nitrogen-doped graphene aerogel-supported ruthenium nanocrystals for pH-universal hydrogen evolution reaction. Chinese Journal of Catalysis, 2022, 43, 1535-1543.	14.0	111
9	Mo-doped Ni ₂ P hollow nanostructures: highly efficient and durable bifunctional electrocatalysts for alkaline water splitting. Journal of Materials Chemistry A, 2019, 7, 7636-7643.	10.3	110
10	Porous palladium phosphide nanotubes for formic acid electrooxidation. , 2022, 4, 283-293.		102
11	Scalable Molten Salt Synthesis of Platinum Alloys Planted in Metal-Nitrogen-Graphene for Efficient Oxygen Reduction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	102
12	Interfacial Engineering Enhances the Electroactivity of Frame-Like Concave RhCu Bimetallic Nanocubes for Nitrate Reduction. Advanced Energy Materials, 2022, 12, .	19.5	96
13	Hierarchical porous Rh nanosheets for methanol oxidation reaction. Applied Catalysis B: Environmental, 2020, 264, 118520.	20.2	92
14	Iridium Nanotubes as Bifunctional Electrocatalysts for Oxygen Evolution and Nitrate Reduction Reactions. ACS Applied Materials & Interfaces, 2020, 12, 14064-14070.	8.0	91
15	Synthesis of Nitrogen-Doped Graphene Quantum Dots at Low Temperature for Electrochemical Sensing Trinitrotoluene. Analytical Chemistry, 2015, 87, 11803-11811.	6.5	89
16	Unexpected catalytic activity of rhodium nanodendrites with nanosheet subunits for methanol electrooxidation in an alkaline medium. Nano Research, 2016, 9, 3893-3902.	10.4	86
17	Ultrasonication-assisted and gram-scale synthesis of Co-LDH nanosheet aggregates for oxygen evolution reaction. Nano Research, 2020, 13, 79-85.	10.4	83
18	Two-dimensional graphdiyne analogue Co-coordinated porphyrin covalent organic framework nanosheets as a stable electrocatalyst for the oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 5575-5582.	10.3	81

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19	Hollow Pd@Sn Nanocrystals for Efficient Direct H ₂ O ₂ Synthesis: The Critical Role of Sn on Structure Evolution and Catalytic Performance. ACS Catalysis, 2018, 8, 3418-3423.	11.2	80
20	Hydrogen generation from ammonia electrolysis on bifunctional platinum nanocubes electrocatalysts. Journal of Energy Chemistry, 2020, 47, 234-240.	12.9	80
21	Glycerol oxidation assisted electrocatalytic nitrogen reduction: ammonia and glyceraldehyde co-production on bimetallic RhCu ultrathin nanoflake nanoaggregates. Journal of Materials Chemistry A, 2019, 7, 21149-21156.	10.3	77
22	3D nitrogen-doped graphene aerogels as efficient electrocatalyst for the oxygen reduction reaction. Carbon, 2018, 139, 137-144.	10.3	75
23	Enhancing the Selectivity of H ₂ O ₂ Electrogeneration by Steric Hindrance Effect. ACS Applied Materials & Interfaces, 2018, 10, 42534-42541.	8.0	69
24	KOH-treated reduced graphene oxide: 100% selectivity for H ₂ O ₂ electroproduction. Carbon, 2019, 153, 6-11.	10.3	69
25	From monometallic Au nanowires to trimetallic AuPtRh nanowires: interface control for the formic acid electrooxidation. Journal of Materials Chemistry A, 2018, 6, 17164-17170.	10.3	67
26	Holey platinum nanotubes for ethanol electrochemical reforming in aqueous solution. Science Bulletin, 2021, 66, 2079-2089.	9.0	66
27	Thermal decomposition synthesis of functionalized PdPt alloy nanodendrites with high selectivity for oxygen reduction reaction. NPG Asia Materials, 2015, 7, e219-e219.	7.9	59
28	Salt-Templated Construction of Ultrathin Cobalt Doped Iron Thiophosphite Nanosheets toward Electrochemical Ammonia Synthesis. Small, 2019, 15, e1903500.	10.0	57
29	The Advanced Designs of High-Performance Platinum-Based Electrocatalysts: Recent Progresses and Challenges. Advanced Materials Interfaces, 2018, 5, 1800486.	3.7	55
30	Highly active and durable platinum-lead bimetallic alloy nanoflowers for formic acid electrooxidation. Nanoscale, 2015, 7, 4894-4899.	5.6	50
31	Self-template synthesis of defect-rich NiO nanotubes as efficient electrocatalysts for methanol oxidation reaction. Nanoscale, 2019, 11, 19783-19790.	5.6	50
32	Ultrathin NiSe Nanosheets on Ni Foam for Efficient and Durable Hydrazine-Assisted Electrolytic Hydrogen Production. ACS Applied Materials & Interfaces, 2021, 13, 34457-34467.	8.0	49
33	Rh nanoroses for isopropanol oxidation reaction. Applied Catalysis B: Environmental, 2019, 259, 118082.	20.2	44
34	Corrosion Chemistry of Electrocatalysts. Advanced Materials, 2022, 34, e2200840.	21.0	43
35	PtRu nanocubes as bifunctional electrocatalysts for ammonia electrolysis. Journal of Materials Chemistry A, 2021, 9, 8444-8451.	10.3	39
36	Bifunctional Palladium Hydride Nanodendrite Electrocatalysts for Hydrogen Evolution Integrated with Formate Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 13149-13157.	8.0	39

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37	Anodic hydrazine electrooxidation boosted overall water electrolysis by bifunctional porous nickel phosphide nanotubes on nickel foam. <i>Nanoscale</i> , 2020, 12, 11526-11535.	5.6	37
38	Hydrogen and Potassium Acetate Co-Production from Electrochemical Reforming of Ethanol at Ultrathin Cobalt Sulfide Nanosheets on Nickel Foam. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4026-4033.	8.0	33
39	Efficient Nitrate-to-Ammonia Electroreduction at Cobalt Phosphide Nanoshuttles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45521-45527.	8.0	33
40	Interfacial proton enrichment enhances proton-coupled electrocatalytic reactions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17771-17777.	10.3	29
41	Formic acid decomposition-inhibited intermetallic Pd ₃ Sn ₂ nanonetworks for efficient formic acid electrooxidation. <i>Journal of Power Sources</i> , 2020, 450, 227615.	7.8	29
42	Bifunctional Pd@RhPd Core-Shell Nanodendrites for Methanol Electrolysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35767-35776.	8.0	28
43	Cyanogel auto-reduction induced synthesis of PdCo nanocubes on carbon nanobowls: a highly active electrocatalyst for ethanol electrooxidation. <i>Nanoscale</i> , 2019, 11, 13477-13483.	5.6	27
44	Sandwich-structured Au@polyallylamine@Pd nanostructures: tuning the electronic properties of the Pd shell for electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12020-12024.	10.3	25
45	Porous cobalt carbonate hydroxide nanospheres towards oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 417, 128066.	12.7	22
46	Scalable Molten Salt Synthesis of Platinum Alloys Planted in Metal-Nitrogen-Graphene for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	22
47	Atoms diffusion-induced phase engineering of platinum-gold alloy nanocrystals with high electrocatalytic performance for the formic acid oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 299-305.	9.4	21
48	Co nanoparticles supported on three-dimensionally N-doped holey graphene aerogels for electrocatalytic oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 143-151.	9.4	21
49	Direct growth of holey Fe ₃ O ₄ -coupled Ni(OH) ₂ sheets on nickel foam for the oxygen evolution reaction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 271-278.	14.0	21
50	Holey cobalt oxyhydroxide nanosheets for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3297-3302.	10.3	21
51	Ethylenediaminetetraacetic acid mediated synthesis of palladium nanowire networks and their enhanced electrocatalytic performance for the hydrazine oxidation reaction. <i>Electrochimica Acta</i> , 2015, 176, 125-129.	5.2	20
52	A surfactant-free strategy for synthesizing reduced graphene oxide supported palladium nanoparticles with enhanced electrocatalytic performance towards formic acid oxidation. <i>Journal of Power Sources</i> , 2015, 280, 491-498.	7.8	17
53	Reduced graphene oxide supported platinum nanocubes composites: one-pot hydrothermal synthesis and enhanced catalytic activity. <i>Nanotechnology</i> , 2015, 26, 065603.	2.6	17
54	<i>In situ</i> bubble template-assisted synthesis of phosphonate-functionalized Rh nanodendrites and their catalytic application. <i>CrystEngComm</i> , 2017, 19, 2946-2952.	2.6	10

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55	A Facile Self-templated Approach for the Synthesis of Pt Hollow Nanospheres with Enhanced Electrocatalytic Activity. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600563.	3.7	8
56	Self-Supported Fe ₃ C@CoMoP Hierarchical Nanostructures for Efficient Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1590-1597.	3.3	6
57	Functionalized Ultrafine Rhodium Nanoparticles on Graphene Aerogels for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2021, 8, 1759-1765.	3.4	5