

Xue-Feng Lu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of N-Doped Highly Graphitic Carbon Urchin-Like Hollow Structures Loaded with Single Ni Atoms towards Efficient CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	11
2	Synthesis of N-Doped Highly Graphitic Carbon Urchin-Like Hollow Structures Loaded with Single Ni Atoms towards Efficient CO ₂ Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	64
3	Metal-Organic Frameworks Derived Functional Materials for Electrochemical Energy Storage and Conversion: A Mini Review. <i>Nano Letters</i> , 2021, 21, 1555-1565.	4.5	351
4	Nitrogen-Doped Amorphous Zn-Carbon Multichannel Fibers for Stable Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8515-8520.	7.2	115
5	Nitrogen-Doped Amorphous Zn-Carbon Multichannel Fibers for Stable Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2021, 133, 8596-8601.	1.6	17
6	Trimetallic Spinel NiCo ₂ FeO ₄ Nanoboxes for Highly Efficient Electrocatalytic Oxygen Evolution. <i>Angewandte Chemie</i> , 2021, 133, 11947-11952.	1.6	33
7	Trimetallic Spinel NiCo ₂ FeO ₄ Nanoboxes for Highly Efficient Electrocatalytic Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11841-11846.	7.2	247
8	Engineering Platinum-Cobalt Nanoalloys in Porous Nitrogen-Doped Carbon Nanotubes for Highly Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021, 133, 19216-19221.	1.6	9
9	Engineering Platinum-Cobalt Nanoalloys in Porous Nitrogen-Doped Carbon Nanotubes for Highly Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19068-19073.	7.2	149
10	Construction of Co-Mn Prussian Blue Analog Hollow Spheres for Efficient Aqueous Zn-Ion Batteries. <i>Angewandte Chemie</i> , 2021, 133, 22363-22368.	1.6	12
11	Construction of Co-Mn Prussian Blue Analog Hollow Spheres for Efficient Aqueous Zn-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22189-22194.	7.2	265
12	Phosphorized CoNi ₂ S ₄ Yolk-Shell Spheres for Highly Efficient Hydrogen Production via Water and Urea Electrolysis. <i>Angewandte Chemie</i> , 2021, 133, 23067-23073.	1.6	14
13	Phosphorized CoNi ₂ S ₄ Yolk-Shell Spheres for Highly Efficient Hydrogen Production via Water and Urea Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22885-22891.	7.2	191
14	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2020, 132, 4662-4678.	1.6	114
15	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4634-4650.	7.2	457
16	Nitrogen-Doped Cobalt Pyrite Yolk-Shell Hollow Spheres for Long-Life Rechargeable Zn-Air Batteries. <i>Advanced Science</i> , 2020, 7, 2001178.	5.6	206
17	Co ₃ O ₄ Hollow Nanoparticles Embedded in Mesoporous Walls of Carbon Nanoboxes for Efficient Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19914-19918.	7.2	177
18	Co ₃ O ₄ Hollow Nanoparticles Embedded in Mesoporous Walls of Carbon Nanoboxes for Efficient Lithium Storage. <i>Angewandte Chemie</i> , 2020, 132, 20086-20090.	1.6	29

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19	General Synthesis of Ultrafine Cu-Based Alloy Nanoparticles Anchored on Porous N-Doped Carbon Nanofibers for Enhanced Electrocatalytic Performance. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13036-13044.	1.5	5
20	Implanting Isolated Ru Atoms into Edge-Rich Carbon Matrix for Efficient Electrocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2020, 10, 2000882.	10.2	144
21	Designed Formation of Double-Shelled Ni-Fe Layered Hydroxide Nanocages for Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2020, 32, e1906432.	11.1	305
22	NiMn-Based Bimetal-Organic Framework Nanosheets Supported on Multi-Channel Carbon Fibers for Efficient Oxygen Electrocatalysis. <i>Angewandte Chemie</i> , 2020, 132, 18391-18396.	1.6	24
23	Emerging Multifunctional Single-Atom Catalysts/Nanozymes. <i>ACS Central Science</i> , 2020, 6, 1288-1301.	5.3	159
24	Metal Atom-Doped Co ₃ O ₄ Hierarchical Nanoplates for Electrocatalytic Oxygen Evolution. <i>Advanced Materials</i> , 2020, 32, e2002235.	11.1	332
25	NiMn-Based Bimetal-Organic Framework Nanosheets Supported on Multi-Channel Carbon Fibers for Efficient Oxygen Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18234-18239.	7.2	232
26	Fabrication of Heterostructured Fe ₂ TiO ₅ TiO ₂ Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie</i> , 2020, 132, 8205-8209.	1.6	42
27	Non-Noble-Metal-Based Electrocatalysts toward the Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2020, 30, 1910274.	7.8	760
28	Advanced Electrocatalysts for the Oxygen Reduction Reaction in Energy Conversion Technologies. <i>Joule</i> , 2020, 4, 45-68.	11.7	596
29	Fabrication of Heterostructured Fe ₂ TiO ₅ TiO ₂ Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8128-8132.	7.2	58
30	Engineering cobalt oxide by interfaces and pore architectures for enhanced electrocatalytic performance for overall water splitting. <i>Nanoscale</i> , 2020, 12, 11201-11208.	2.8	67
31	Construction of Hierarchical Co-Fe Oxyphosphide Microtubes for Electrocatalytic Overall Water Splitting. <i>Advanced Science</i> , 2019, 6, 1900576.	5.6	208
32	Interfacing Manganese Oxide and Cobalt in Porous Graphitic Carbon Polyhedrons Boosts Oxygen Electrocatalysis for Zn-Air Batteries. <i>Advanced Materials</i> , 2019, 31, e1902339.	11.1	363
33	Bi ₂ O ₃ Nanosheets Grown on Multi-Channel Carbon Matrix to Catalyze Efficient CO ₂ Electroreduction to HCOOH. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13828-13833.	7.2	254
34	Bi ₂ O ₃ Nanosheets Grown on Multi-Channel Carbon Matrix to Catalyze Efficient CO ₂ Electroreduction to HCOOH. <i>Angewandte Chemie</i> , 2019, 131, 13966-13971.	1.6	45
35	Ultrafine Dual-Phased Carbide Nanocrystals Confined in Porous Nitrogen-Doped Carbon Dodecahedrons for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2019, 31, e1900699.	11.1	311
36	Efficient Electrochemical Reduction of CO ₂ to HCOOH over Sub-20-nm SnO ₂ Quantum Wires with Exposed Grain Boundaries. <i>Angewandte Chemie</i> , 2019, 131, 8587-8591.	1.6	38

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37	Efficient Electrochemical Reduction of CO ₂ to HCOOH over Sub μ m SnO ₂ Quantum Wires with Exposed Grain Boundaries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8499-8503.	7.2	322
38	Highly crystalline Ni-doped FeP/carbon hollow nanorods as all-pH efficient and durable hydrogen evolving electrocatalysts. <i>Science Advances</i> , 2019, 5, eaav6009.	4.7	508
39	Intramolecular electronic coupling in porous iron cobalt (oxy)phosphide nanoboxes enhances the electrocatalytic activity for oxygen evolution. <i>Energy and Environmental Science</i> , 2019, 12, 3348-3355.	15.6	234
40	Recent Progress on MOF-Derived Heteroatom-Doped Carbon-Based Electrocatalysts for Oxygen Reduction Reaction. <i>Advanced Science</i> , 2018, 5, 1700515.	5.6	306
41	Hierarchical Porous Prism Arrays Composed of Hybrid Ni-Carbon as Highly Efficient Electrocatalysts for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38906-38914.	4.0	56
42	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2960-2964.	7.2	303
43	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. <i>Angewandte Chemie</i> , 2017, 129, 3006-3010.	1.6	37
44	Bimetal-Organic Framework Derived CoFe ₂ O ₄ /C Porous Hybrid Nanorod Arrays as High-Performance Electrocatalysts for Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2017, 29, 1604437.	11.1	677
45	Copper-Antimony Alloy Nanoparticle Clusters Supported on Porous Cu Networks for Electrochemical Energy Storage. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 553-559.	1.2	10
46	An Alkaline-Stable, Metal Hydroxide Mimicking Metal-Organic Framework for Efficient Electrocatalytic Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2016, 138, 8336-8339.	6.6	453
47	Pt-MoO ₃ -RGO ternary hybrid hollow nanorod arrays as high-performance catalysts for methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1923-1930.	5.2	60
48	Asymmetric supercapacitors with high energy density based on helical hierarchical porous Na _x MnO ₂ and MoO ₂ . <i>Chemical Science</i> , 2016, 7, 510-517.	3.7	89
49	Three-Dimensional Nickel Oxide@Carbon Hollow Hybrid Networks with Enhanced Performance for Electrochemical Energy Storage. <i>Electrochimica Acta</i> , 2015, 161, 236-244.	2.6	31
50	Ni@NiO core-shell nanoparticle tube arrays with enhanced supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6432-6439.	5.2	73
51	Palladium-Cobalt Nanotube Arrays Supported on Carbon Fiber Cloth as High-Performance Flexible Electrocatalysts for Ethanol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3669-3673.	7.2	258
52	High-performance supercapacitors based on MnO ₂ tube-in-tube arrays. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16560-16566.	5.2	67
53	Fe ₂ O ₃ @PANI Core-Shell Nanowire Arrays as Negative Electrodes for Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14843-14850.	4.0	369
54	Asymmetric Paper Supercapacitor Based on Amorphous Porous Mn ₃ O ₄ Negative Electrode and Ni(OH) ₂ Positive Electrode: A Novel and High-Performance Flexible Electrochemical Energy Storage Device. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11444-11451.	4.0	198

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55	A review of negative electrode materials for electrochemical supercapacitors. Science China Technological Sciences, 2015, 58, 1799-1808.	2.0	84
56	Carbon/MnO ₂ Double-Walled Nanotube Arrays with Fast Ion and Electron Transmission for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2014, 6, 2726-2733.	4.0	104
57	Flexible symmetrical planar supercapacitors based on multi-layered MnO ₂ /Ni/graphite/paper electrodes with high-efficient electrochemical energy storage. Journal of Materials Chemistry A, 2014, 2, 2985-2992.	5.2	69
58	Hierarchical NiCo ₂ O ₄ nanosheets@hollow microrod arrays for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2014, 2, 4706-4713.	5.2	488
59	Flexible Cellulose Paper-based Asymmetrical Thin Film Supercapacitors with High-performance for Electrochemical Energy Storage. Advanced Functional Materials, 2014, 24, 7093-7101.	7.8	38
60	Electrochemical synthesis of nanostructured materials for electrochemical energy conversion and storage. Nanoscale, 2013, 5, 4056.	2.8	97
61	Design and synthesis of composite nanomaterials for electrochemical energy conversion and storage. , 2013, , .		0