Liuyong Hu

List of Publications by Year
in descending order

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Version: 2024-02-01

		236925	276875
41	2,039	25	41
papers	citations	h-index	g-index

41	41	41	2144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interface engineering for enhancing electrocatalytic oxygen evolution of NiFe LDH/NiTe heterostructures. Applied Catalysis B: Environmental, 2020, 273, 119014.	20.2	177
2	Singleâ€Atom Iron Boosts Electrochemiluminescence. Angewandte Chemie - International Edition, 2020, 59, 3534-3538.	13.8	167
3	Metalâ€“Organic Frameworks Enhance Biomimetic Cascade Catalysis for Biosensing. Advanced Materials, 2021, 33, e2005172.	21.0	109
4	Hybrid of g-C₃N₄ Assisted Metalâ€“Organic Frameworks and Their Derived High-Efficiency Oxygen Reduction Electrocatalyst in the Whole pH Range. ACS Applied Materials & Interfaces, 2016, 8, 35281-35288.	8.0	106
5	Noble-metal-free Co₃S₄â€“S/G porous hybrids as an efficient electrocatalyst for oxygen reduction reaction. Chemical Science, 2016, 7, 4167-4173.	7.4	98
6	PdBi Singleâ€Atom Alloy Aerogels for Efficient Ethanol Oxidation. Advanced Functional Materials, 2021, 31, 2103465.	14.9	97
7	Single-Atom-Based Heterojunction Coupling with Ion-Exchange Reaction for Sensitive Photoelectrochemical Immunoassay. Nano Letters, 2021, 21, 1879-1887.	9.1	86
8	MXene-induced electronic optimization of metal-organic framework-derived CoFe LDH nanosheet arrays for efficient oxygen evolution. Applied Catalysis B: Environmental, 2021, 298, 120599.	20.2	82
9	Recent Advancements in Transition Metalâ€Nitrogenâ€Carbon Catalysts for Oxygen Reduction Reaction. Electroanalysis, 2018, 30, 1217-1228.	2.9	73
10	Low-bandgap donorâ€“acceptor polymers for photodetectors with photoresponsivity from 300 nm to 1600 nm. Journal of Materials Chemistry C, 2017, 5, 159-165.	5.5	70
11	Nanozyme-Activated Synergistic Amplification for Ultrasensitive Photoelectrochemical Immunoassay. Analytical Chemistry, 2021, 93, 6881-6888.	6.5	69
12	Synergistically enhanced single-atomic site Fe by Fe3C@C for boosted oxygen reduction in neutral electrolyte. Nano Energy, 2021, 84, 105840.	16.0	65
13	Iron Single-Atom Catalysts Boost Photoelectrochemical Detection by Integrating Interfacial Oxygen Reduction and Enzyme-Mimicking Activity. ACS Nano, 2022, 16, 2997-3007.	14.6	63
14	Recent advances in co-reaction accelerators for sensitive electrochemiluminescence analysis. Chemical Communications, 2020, 56, 10989-10999.	4.1	60
15	Efficient Z-Scheme heterostructure based on TiO2/Ti3C2T /Cu2O to boost photoelectrochemical response for ultrasensitive biosensing. Sensors and Actuators B: Chemical, 2020, 312, 127951.	7.8	56
16	Efficient BiVO4 photoanode decorated with Ti3C2T MXene for enhanced photoelectrochemical sensing of Hg(II) ion. Analytica Chimica Acta, 2020, 1119, 11-17.	5.4	52
17	Neutral Znâ€Air Battery Assembled with Singleâ€Atom Iridium Catalysts for Sensitive Selfâ€Powered Sensing System. Advanced Functional Materials, 2021, 31, 2101193.	14.9	52
18	Iron and nitrogen co-doped hierarchical porous graphitic carbon for a high-efficiency oxygen reduction reaction in a wide range of pH. Journal of Materials Chemistry A, 2016, 4, 14364-14370.	10.3	50

#	Article	IF	Citations
19	3,4â€Dicyanothiopheneâ€”a Versatile Building Block for Efficient Nonfullerene Polymer Solar Cells. Advanced Energy Materials, 2020, 10, 1904247.	19.5	48
20	Modulating Oxygen Reduction Behaviors on Nickel Single-Atom Catalysts to Probe the Electrochemiluminescence Mechanism at the Atomic Level. Analytical Chemistry, 2021, 93, 8663-8670.	6.5	48
21	Single-Atom Iron Enables Strong Low-Triggering-Potential Luminol Cathodic Electrochemiluminescence. Analytical Chemistry, 2022, 94, 9459-9465.	6.5	37
22	Defectâ€Engineered Nanozymeâ€Linked Receptors. Small, 2021, 17, e2101907.	10.0	36
23	Synthesis of a novel ionic liquid containing phosphorus and its application in intumescent flame retardant polypropylene system. Polymers for Advanced Technologies, 2013, 24, 568-575.	3.2	33
24	Naphthalene diimideâ€“diketopyrrolopyrrole copolymers as non-fullerene acceptors for use in bulk-heterojunction all-polymer UVâ€“NIR photodetectors. Polymer Chemistry, 2017, 8, 528-536.	3.9	32
25	Rapid synthesis of Co₃O₄ nanosheet arrays on Ni foam by in situ electrochemical oxidization of air-plasma engraved Co(OH)₂ for efficient oxygen evolution. Chemical Communications, 2018, 54, 12698-12701.	4.1	31
26	Iridium Single-Atomic Site Catalysts with Superior Oxygen Reduction Reaction Activity for Sensitive Monitoring of Organophosphorus Pesticides. Analytical Chemistry, 2022, 94, 1390-1396.	6.5	28
27	Dissociable photoelectrode materials boost ultrasensitive photoelectrochemical detection of organophosphorus pesticides. Analytica Chimica Acta, 2020, 1130, 100-106.	5.4	26
28	Proton-Regulated Catalytic Activity of Nanozymes for Dual-Modal Bioassay of Urease Activity. Analytical Chemistry, 2021, 93, 9897-9903.	6.5	22
29	Peroxymonosulfate Activation on Synergistically Enhanced Single-Atom Co/Co@C for Boosted Chemiluminescence of Tris(bipyridine) Ruthenium(II) Derivative. Analytical Chemistry, 2022, 94, 6866-6873.	6.5	21
30	Singleâ€Atom Iron Boosts Electrochemiluminescence. Angewandte Chemie, 2020, 132, 3562-3566.	2.0	20
31	Enhancement of the hydrogen evolution performance by finely tuning the morphology of Co-based catalyst without changing chemical composition. Nano Research, 2019, 12, 191-196.	10.4	18
32	Side-chain engineering in naphthalenediimide-based n-type polymers for high-performance all-polymer photodetectors. Polymer Chemistry, 2018, 9, 327-334.	3.9	17
33	Amorphous metal-organic frameworks on PtCu hydrogels: Enzyme immobilization platform with boosted activity and stability for sensitive biosensing. Journal of Hazardous Materials, 2022, 432, 128707.	12.4	17
34	Effect of compositions of acceptor polymers on dark current and photocurrent of all-polymer bulk-heterojunction photodetectors. Polymer, 2017, 114, 173-179.	3.8	15
35	Side-chain engineering for fine-tuning of molecular packing and nanoscale blend morphology in polymer photodetectors. Polymer Chemistry, 2017, 8, 2055-2062.	3.9	15
36	Enhancement of photodetector performance by tuning donor-acceptor ratios in diketopyrrolopyrrole- and thiophene-based polymers. Polymer, 2016, 99, 427-433.	3.8	10

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37	Significant enhancement of photodetector performance by subtle changes in the side chains of dithienopyrrole-based polymers. RSC Advances, 2016, 6, 22494-22499.	3.6	8
38	AgCu@CuO aerogels with peroxidase-like activities and photoelectric responses for sensitive biosensing. Chemical Communications, 2021, 57, 13788-13791.	4.1	8
39	Polyacrylic Acid-Functionalized Graphene@Ca(OH)₂ Nanocomposites for Mural Protection. ACS Omega, 2022, 7, 12424-12429.	3.5	7
40	Lowâ€Bandgap Terpolymers for Highâ€Gain Photodiodes with High Detectivity and Responsivity from 300â€...nm to 1600â€...nm. ChemistrySelect, 2018, 3, 7385-7393.	1.5	6
41	Broadband polymer photodetectors with a good trade-off between broad response and high detectivity by using combined electron-deficient moieties. Journal of Materials Chemistry C, 2020, 8, 3431-3437.	5.5	4