Liuyong Hu

List of Publications by Year
in descending order

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		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	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
2	Polyacrylic Acid-Functionalized Graphene@Ca(OH)₂ Nanocomposites for Mural Protection. ACS Omega, 2022, 7, 12424-12429.	3.5	7
3	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
4	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
5	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
6	Single-Atom Iron Enables Strong Low-Triggering-Potential Luminol Cathodic Electrochemiluminescence. Analytical Chemistry, 2022, 94, 9459-9465.	6.5	37
7	Single-Atom-Based Heterojunction Coupling with Ion-Exchange Reaction for Sensitive Photoelectrochemical Immunoassay. Nano Letters, 2021, 21, 1879-1887.	9.1	86
8	Nanozyme-Activated Synergistic Amplification for Ultrasensitive Photoelectrochemical Immunoassay. Analytical Chemistry, 2021, 93, 6881-6888.	6.5	69
9	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
10	Metalâ€“Organic Frameworks Enhance Biomimetic Cascade Catalysis for Biosensing. Advanced Materials, 2021, 33, e2005172.	21.0	109
11	Synergistically enhanced single-atomic site Fe by Fe3C@C for boosted oxygen reduction in neutral electrolyte. Nano Energy, 2021, 84, 105840.	16.0	65
12	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
13	Defectâ€Engineered Nanozymeâ€Linked Receptors. Small, 2021, 17, e2101907.	10.0	36
14	PdBi Singleâ€Atom Alloy Aerogels for Efficient Ethanol Oxidation. Advanced Functional Materials, 2021, 31, 2103465.	14.9	97
15	Proton-Regulated Catalytic Activity of Nanozymes for Dual-Modal Bioassay of Urease Activity. Analytical Chemistry, 2021, 93, 9897-9903.	6.5	22
16	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
17	AgCu@CuO aerogels with peroxidase-like activities and photoelectric responses for sensitive biosensing. Chemical Communications, 2021, 57, 13788-13791.	4.1	8
18	Singleâ€Atom Iron Boosts Electrochemiluminescence. Angewandte Chemie, 2020, 132, 3562-3566.	2.0	20

#	Article	IF	Citations
19	Singleâ€Atom Iron Boosts Electrochemiluminescence. Angewandte Chemie - International Edition, 2020, 59, 3534-3538.	13.8	167
20	Recent advances in co-reaction accelerators for sensitive electrochemiluminescence analysis. Chemical Communications, 2020, 56, 10989-10999.	4.1	60
21	Dissociable photoelectrode materials boost ultrasensitive photoelectrochemical detection of organophosphorus pesticides. Analytica Chimica Acta, 2020, 1130, 100-106.	5.4	26
22	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
23	3,4â€Dicyanothiopheneâ€"a Versatile Building Block for Efficient Nonfullerene Polymer Solar Cells. Advanced Energy Materials, 2020, 10, 1904247.	19.5	48
24	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
25	Interface engineering for enhancing electrocatalytic oxygen evolution of NiFe LDH/NiTe heterostructures. Applied Catalysis B: Environmental, 2020, 273, 119014.	20.2	177
26	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
27	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
28	Recent Advancements in Transition Metalâ€Nitrogenâ€Carbon Catalysts for Oxygen Reduction Reaction. Electroanalysis, 2018, 30, 1217-1228.	2.9	73
29	Side-chain engineering in naphthalenediimide-based n-type polymers for high-performance all-polymer photodetectors. Polymer Chemistry, 2018, 9, 327-334.	3.9	17
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	Enhancement of photodetector performance by tuning donor-acceptor ratios in diketopyrrolopyrrole- and thiophene-based polymers. Polymer, 2016, 99, 427-433.	3.8	10
39	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
40	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
41	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