

Xiaolong Xu

List of Publications by Year in descending order

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29
papers

1,372
citations

394421

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477307

29
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all docs

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docs citations

30
times ranked

2474
citing authors

#	ARTICLE	IF	CITATIONS
1	A High-Performance Binary Ni-Co Hydroxide-based Water Oxidation Electrode with Three-Dimensional Coaxial Nanotube Array Structure. <i>Advanced Functional Materials</i> , 2014, 24, 4698-4705.	14.9	348
2	Enzymatic Plasmonic Engineering of Ag/Au Bimetallic Nanoshells and Their Use for Sensitive Optical Glucose Sensing. <i>Advanced Materials</i> , 2012, 24, 1736-1740.	21.0	128
3	Self-standing non-noble metal (Ni-Fe) oxide nanotube array anode catalysts with synergistic reactivity for high-performance water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7179-7186.	10.3	96
4	Long-Range Plasmon Field and Plasmoelectric Effect on Catalysis Revealed by Shell-Thickness-Tunable Pinhole-Free Au@SiO ₂ Core-Shell Nanoparticles: A Case Study of <i>p</i> -Nitrophenol Reduction. <i>ACS Catalysis</i> , 2017, 7, 5391-5398.	11.2	73
5	A single-walled carbon nanohorn-based miniature glucose/air biofuel cell for harvesting energy from soft drinks. <i>Energy and Environmental Science</i> , 2011, 4, 1358.	30.8	70
6	Development of potent and selective inhibitors targeting the papain-like protease of SARS-CoV-2. <i>Cell Chemical Biology</i> , 2021, 28, 855-865.e9.	5.2	67
7	Single-cell pH imaging and detection for pH profiling and label-free rapid identification of cancer-cells. <i>Scientific Reports</i> , 2017, 7, 1759.	3.3	56
8	Facile One-Step Photochemical Fabrication and Characterization of an Ultrathin Gold-Decorated Single Glass Nanopipette. <i>Analytical Chemistry</i> , 2015, 87, 3216-3221.	6.5	48
9	Shell Thickness Engineering Significantly Boosts the Photocatalytic H ₂ Evolution Efficiency of CdS/CdSe Core/Shell Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35712-35720.	8.0	48
10	Phosphorylation regulates the binding of autophagy receptors to FIP200 Claw domain for selective autophagy initiation. <i>Nature Communications</i> , 2021, 12, 1570.	12.8	45
11	Efficient visible light-driven H ₂ production in water by CdS/CdSe core/shell nanocrystals and an ordinary nickel-sulfur complex. <i>Nanoscale</i> , 2014, 6, 13470-13475.	5.6	41
12	A fluorescent ELISA based on the enzyme-triggered synthesis of poly(thymine)-templated copper nanoparticles. <i>Nanoscale</i> , 2016, 8, 16846-16850.	5.6	41
13	Adaption of a Solid-State Nanopore to Homogeneous DNA Organization Verification and Label-Free Molecular Analysis without Covalent Modification. <i>Analytical Chemistry</i> , 2018, 90, 814-820.	6.5	36
14	Wet-Chemical Enzymatic Preparation and Characterization of Ultrathin Gold-Decorated Single Glass Nanopore. <i>Analytical Chemistry</i> , 2014, 86, 4815-4821.	6.5	35
15	Bifunctional plasmonic colloidosome/graphene oxide-based floating membranes for recyclable high-efficiency solar-driven clean water generation. <i>Nano Research</i> , 2018, 11, 3854-3863.	10.4	35
16	Controllable Shrinking of Glass Capillary Nanopores Down to sub-10 nm by Wet-Chemical Silanization for Signal-Enhanced DNA Translocation. <i>ACS Sensors</i> , 2017, 2, 1452-1457.	7.8	31
17	Single glass nanopore-based regenerable sensing platforms with a non-immobilized polyglutamic acid probe for selective detection of cupric ions. <i>Analytica Chimica Acta</i> , 2015, 889, 98-105.	5.4	28
18	An investigation of solid-state nanopores on label-free metal-ion signalling via the transition of RNA-cleavage DNAzyme and the hybridization chain reaction. <i>Nanoscale</i> , 2019, 11, 10339-10347.	5.6	27

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19	The facile surface chemical modification of a single glass nanopore and its use in the nonenzymatic detection of uric acid. <i>Chemical Communications</i> , 2015, 51, 1914-1917.	4.1	25
20	Decoding three distinct states of the Syntaxin17 SNARE motif in mediating autophagosome-lysosome fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21391-21402.	7.1	23
21	Structural and biochemical advances on the recruitment of the autophagy-initiating ULK and TBK1 complexes by autophagy receptor NDP52. <i>Science Advances</i> , 2021, 7, .	10.3	20
22	Short-chain oligonucleotide detection by glass nanopore using targeting-induced DNA tetrahedron deformation as signal amplifier. <i>Analytica Chimica Acta</i> , 2019, 1063, 57-63.	5.4	12
23	A Simple and Inexpensive Method for Fabrication of Ultramicroelectrode Array and Its Application for the Detection of Dissolved Oxygen. <i>Electroanalysis</i> , 2008, 20, 797-802.	2.9	11
24	Improve the energy efficiency: Effects of additives on longtime zinc electrowinning. <i>Hydrometallurgy</i> , 2020, 193, 105326.	4.3	10
25	Mechanistic insights into the subversion of the linear ubiquitin chain assembly complex by the E3 ligase IpaH1.4 of <i>Shigella flexneri</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116776119.	7.1	8
26	The Most Recent Advances in the Application of Nano-Structures/Nano-Materials for Single-Cell Sampling. <i>Frontiers in Chemistry</i> , 2020, 8, 718.	3.6	5
27	Mechanistic Insights into the Interactions of Ras Subfamily GTPases with the SPN Domain of Autism-associated SHANK3. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1635-1641.	4.9	2
28	Construction of dPCR and qPCR integrated system based on commercially available low-cost hardware. <i>Analyst</i> , 2022, 147, 3494-3503.	3.5	2
29	Does the Nitrification-Suppressed BOD5 Test Make Sense?. <i>Environmental Science & Technology</i> , 2020, 54, 5323-5324.	10.0	1