

Xiaoli Xiong

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,365
citations

279487

23
h-index

205818

48
g-index

50
all docs

50
docs citations

50
times ranked

3204
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-Doped CuO Nanoarray: An Efficient Oxygen Evolution Reaction Electrocatalyst with Enhanced Activity. ACS Sustainable Chemistry and Engineering, 2018, 6, 2883-2887.	3.2	277
2	MnO ₂ -CoP ₃ nanowires array: An efficient electrocatalyst for alkaline oxygen evolution reaction with enhanced activity. Electrochemistry Communications, 2018, 86, 161-165.	2.3	202
3	An amorphous Co-carbonate-hydroxide nanowire array for efficient and durable oxygen evolution reaction in carbonate electrolytes. Nanoscale, 2017, 9, 16612-16615.	2.8	173
4	Boron Phosphide Nanoparticles: A Nonmetal Catalyst for High-Selectivity Electrochemical Reduction of CO ₂ to CH ₃ OH. Advanced Materials, 2019, 31, e1903499.	11.1	169
5	Ultrathin CoFe-Borate Layer Coated CoFe-Layered Double Hydroxide Nanosheets Array: A Non-Noble-Metal 3D Catalyst Electrode for Efficient and Durable Water Oxidation in Potassium Borate. ACS Sustainable Chemistry and Engineering, 2018, 6, 1527-1531.	3.2	134
6	Nanoporous CoP ₃ Nanowire Array: Acid Etching Preparation and Application as a Highly Active Electrocatalyst for the Hydrogen Evolution Reaction in Alkaline Solution. ACS Sustainable Chemistry and Engineering, 2018, 6, 11186-11189.	3.2	134
7	Full Water Splitting Electrocatalyzed by NiWO ₄ Nanowire Array. ACS Sustainable Chemistry and Engineering, 2018, 6, 9555-9559.	3.2	124
8	Enhancing Electrocatalytic N ₂ Reduction to NH ₃ by CeO ₂ Nanorod with Oxygen Vacancies. ACS Sustainable Chemistry and Engineering, 2019, 7, 2889-2893.	3.2	121
9	An Fe(TCNQ) ₂ nanowire array on Fe foil: an efficient non-noble-metal catalyst for the oxygen evolution reaction in alkaline media. Chemical Communications, 2018, 54, 2300-2303.	2.2	120
10	Ni ₂ P nanosheets array as a novel electrochemical catalyst electrode for non-enzymatic H ₂ O ₂ sensing. Electrochimica Acta, 2017, 253, 517-521.	2.6	96
11	Cu ₂ Sb decorated Cu nanowire arrays for selective electrocatalytic CO ₂ to CO conversion. Nano Research, 2021, 14, 2831-2836.	5.8	62
12	Enhanced thermal conductivity for poly(vinylidene fluoride) composites with nano-carbon fillers. RSC Advances, 2016, 6, 68357-68362.	1.7	55
13	One-step synthesis of Co(OH)F nanoflower based on micro-plasma: As an effective non-enzymatic glucose sensor. Sensors and Actuators B: Chemical, 2020, 304, 127282.	4.0	47
14	One-pot synthesis of bovine serum albumin protected gold/silver bimetallic nanoclusters for ratiometric and visual detection of mercury. Microchemical Journal, 2018, 139, 1-8.	2.3	42
15	Simultaneous determination of arsenic and cadmium by hydride generation atomic fluorescence spectrometry using magnetic zero-valent iron nanoparticles for separation and pre-concentration. Microchemical Journal, 2017, 133, 518-523.	2.3	39
16	Synthesis of 3D CoO nanowires supported NiFe layered double hydroxide using an atmospheric pressure microplasma for high-performance oxygen evolution reaction. Chemical Engineering Journal, 2021, 410, 128366.	6.6	39
17	La ₂ O ₃ nanoplate: An efficient electrocatalyst for artificial N ₂ fixation to NH ₃ with excellent selectivity at ambient condition. Electrochimica Acta, 2019, 298, 106-111.	2.6	38
18	Speciation of mercury by hydride generation ultraviolet atomization-atomic fluorescence spectrometry without chromatographic separation. Microchemical Journal, 2018, 143, 228-233.	2.3	36

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19	A Ni ₃ N@Co ₃ N hybrid nanowire array electrode for high-performance nonenzymatic glucose detection. <i>Analytical Methods</i> , 2018, 10, 1680-1684.	1.3	35
20	Gold nanoclusters immobilized paper for visual detection of zinc in whole blood and cells by coupling hydride generation with headspace solid phase extraction. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1631-1639.	4.0	34
21	A label-free fluorescent assay for free chlorine in drinking water based on protein-stabilized gold nanoclusters. <i>Talanta</i> , 2015, 132, 790-795.	2.9	33
22	One-step synthesis of CuO nanoparticles based on flame synthesis: As a highly effective non-enzymatic sensor for glucose, hydrogen peroxide and formaldehyde. <i>Journal of Electroanalytical Chemistry</i> , 2021, 881, 114965.	1.9	32
23	Nickel-carbonate nanowire array: An efficient and durable electrocatalyst for water oxidation under nearly neutral conditions. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 467-472.	2.3	26
24	Recent developments in chemical vapor generation atomic spectrometry for zinc detection. <i>Microchemical Journal</i> , 2019, 149, 104052.	2.3	23
25	Ultrasensitive speciation analysis of silver ions and silver nanoparticles with a CdSe quantum dots immobilized filter by Cation exchange reaction. <i>Microchemical Journal</i> , 2017, 135, 74-80.	2.3	21
26	ZIF derived N-CoS ₂ @graphene rhombic dodecahedral nanocomposites: As a high sensitivity sensor for hydrazine. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130967.	4.0	18
27	Fe ₂ Ni ₂ N nanosheet array: an efficient non-noble-metal electrocatalyst for non-enzymatic glucose sensing. <i>Nanotechnology</i> , 2017, 28, 365503.	1.3	17
28	A sensitive and label-free sensor for melamine and iodide by target-regulating the formation of G-quadruplex. <i>Microchemical Journal</i> , 2019, 146, 592-599.	2.3	17
29	NiCl(OH) nanosheet array as a high sensitivity electrochemical sensor for detecting glucose in human serum and saliva. <i>Microchemical Journal</i> , 2020, 158, 105184.	2.3	17
30	3D CoxP@NiCo-LDH heteronanosheet array: As a high sensitivity sensor for glucose. <i>Microchemical Journal</i> , 2022, 172, 106923.	2.3	17
31	One-step synthesis of Mn ₃ O ₄ @ZIF-67 on carbon cloth: As an effective non-enzymatic glucose sensor. <i>Microchemical Journal</i> , 2022, 175, 107203.	2.3	16
32	Flame synthesis of NiO nanoparticles on carbon cloth: An efficient non-enzymatic sensor for glucose and formaldehyde. <i>Microchemical Journal</i> , 2020, 159, 105505.	2.3	15
33	Room temperature ultrafast synthesis of zinc oxide nanomaterials via hydride generation for non-enzymatic glucose detection. <i>Microchemical Journal</i> , 2020, 159, 105396.	2.3	15
34	3D shell-core structured NiCu-OH@Cu(OH) ₂ nanorod: A high-performance catalytic electrode for non-enzymatic glucose detection. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114477.	1.9	14
35	Cysteine mediated synthesis of quantum dots: Mechanism and application in visual detection of hydrogen peroxide and glucose. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127702.	4.0	14
36	Co-Based Transition Metal Hydroxide Nanosheet Arrays on Carbon Cloth for Sensing Glucose and Formaldehyde. <i>ACS Applied Nano Materials</i> , 2021, 4, 5076-5083.	2.4	12

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37	A traffic light-type sensitive visual detection of mercury by golden nanoclusters mixed with fluorescein. <i>Microchemical Journal</i> , 2018, 141, 163-169.	2.3	11
38	Fast and facile synthesis of carbonate-modified NiFe layered double hydroxide nanosheets by dielectric barrier discharge microplasma: mechanism and application in enhanced water oxidation. <i>Journal of Materials Science</i> , 2021, 56, 8115-8126.	1.7	10
39	Oligonucleotide-stabilized fluorescent silver nanoclusters for the specific and sensitive detection of biotin. <i>Analyst</i> , The, 2016, 141, 1499-1505.	1.7	9
40	In situ formation of silver nanoparticles via hydride generation: A miniaturized/portable visual colorimetric system for arsenic detection in environmental water samples. <i>Analytica Chimica Acta</i> , 2022, 1192, 339366.	2.6	9
41	One step synthesis of Co-Ni bimetallic organic frameworks as a highly active and durable electrocatalyst for efficient water oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129041.	2.3	8
42	SnO ₂ nanorod: An efficient non-noble-metal electrocatalyst for non-enzymatic H ₂ O ₂ sensing. <i>Materials Research Express</i> , 2019, 6, 065055.	0.8	6
43	One-step rapid synthesis of NiMoO ₄ ·xH ₂ O nanowires by dielectric barrier discharge micro-plasma method for high-efficiency non-enzymatic glucose sensing. <i>Journal of Materials Science</i> , 2022, 57, 11673-11683.	1.7	6
44	DNA Binding Studies of Hematoxylin-Dy(III) Complex by Spectrometry Using Acridine Orange as a Probe. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2014, 33, 730-745.	0.4	5
45	Three-dimensional Setaria viridis-like NiCoSe ₂ nanoneedles array: As an efficient electrochemical hydrazine sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129549.	2.3	5
46	Microplasma synthesis of Ni(OH) ₂ nanoflake array on carbon cloth as an efficient nonenzymatic sensor for glucose. <i>Ionics</i> , 2021, 27, 2739-2745.	1.2	4
47	In Situ Formation of a 3D Amorphous Cobalt-Borate Nanoarray: An Efficient Non-Noble Metal Catalytic Electrode for Non-Enzyme Glucose Detection. <i>ChemistrySelect</i> , 2018, 3, 10580-10584.	0.7	3
48	Rapid Preparation of 3D Ultra-Thin CuO Nanosheets by Dielectric Barrier Discharge Microplasma for Non-Enzymatic Detection of Glucose. <i>Catalysis Letters</i> , 2022, 152, 3517-3525.	1.4	3
49	Interaction Mode between Inclusion Complex of Vitamin K ₃ with β -Cyclodextrin and Herring-Sperm DNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2016, 35, 245-258.	0.4	1
50	Developments of spectroscopic biosensors for cholinesterase and its inhibitors in the last decade: an overview. <i>Applied Spectroscopy Reviews</i> , 2023, 58, 271-295.	3.4	1