

Xin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

962
citations

623734

14
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1531
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated textile sensor patch for real-time and multiplex sweat analysis. <i>Science Advances</i> , 2019, 5, eaax0649.	10.3	345
2	Single-Walled Carbon Nanotube Induced Optimized Electron Polarization of Rhodium Nanocrystals To Develop an Interface Catalyst for Highly Efficient Electrocatalysis. <i>ACS Catalysis</i> , 2018, 8, 8092-8099.	11.2	82
3	Electrochemical sensor based on carbon-supported NiCoO ₂ nanoparticles for selective detection of ascorbic acid. <i>Biosensors and Bioelectronics</i> , 2014, 55, 446-451.	10.1	80
4	Facile synthesis of Pd-based bimetallic nanocrystals and their application as catalysts for methanol oxidation reaction. <i>Nanoscale</i> , 2013, 5, 6124.	5.6	60
5	A highly sensitive sensor for simultaneous determination of ascorbic acid, dopamine and uric acid based on ultra-small Ni nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2016, 775, 205-211.	3.8	54
6	Simultaneous determination of ascorbic acid, uric acid, tryptophan and adenine using carbon-supported NiCoO ₂ nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 232-240.	7.8	48
7	Single-Walled Carbon Nanotubes Wrapped CoFe ₂ O ₄ Nanorods with Enriched Oxygen Vacancies for Efficient Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2019, 2, 1026-1032.	5.1	47
8	A highly sensitive ascorbic acid sensor based on carbon-supported CoPd nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2014, 205, 20-25.	7.8	38
9	Modulation in Ruthenium-Cobalt Electronic Structure for Highly Efficient Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2020, 3, 1869-1874.	5.1	25
10	Large scale fabrication of disposable carbon cloth electrochemical sensors for simultaneous determination of heavy metal ion. <i>Journal of Electroanalytical Chemistry</i> , 2019, 840, 328-337.	3.8	23
11	Electronic Asymmetric Distribution of RhCu Bimetallic Nanocrystals for Enhancing Trifunctional Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10299-10306.	8.0	23
12	Novel Strategy for the Investigation on Chirality Selection of Single-Walled Carbon Nanotubes with DNA by Electrochemical Characterization. <i>Analytical Chemistry</i> , 2018, 90, 12810-12814.	6.5	22
13	Uniform growth of Fe ₃ O ₄ nanocubes on the single-walled carbon nanotubes as an electrochemical sensor of organic dyes and the study on its catalytic mechanism. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 70-78.	3.8	17
14	Morphology-Controlled Synthesis of Molybdenum Disulfide Wrapped Single-Walled Carbon Nanotubes for the Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2018, 10, 1128-1133.	3.7	15
15	Modification of electron structure on the semiconducting single-walled carbon nanotubes for effectively electrochemical sensing of guanine and adenine. <i>Analytica Chimica Acta</i> , 2019, 1079, 86-93.	5.4	14
16	Fabrication of a Modified Electrode Based on Fe ₃ O ₄ -Graphene Oxide Hybrid Composite: Applying to Simultaneous Determination of Adenine and Guanine in DNA. <i>Electroanalysis</i> , 2015, 27, 2201-2208.	2.9	11
17	Electrodeposition and Characterization of CuTe and Cu ₂ Te Thin Films. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.	2.7	9
18	Portable electrochemical carbon cloth analysis device for differential pulse anodic stripping voltammetry determination of Pb ²⁺ . <i>Mikrochimica Acta</i> , 2020, 187, 613.	5.0	8

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19	Sensitive sensors for amperometric detection of nitrite based on carbon-supported PdNi and PdCo bimetallic nanoparticles. <i>Analytical Methods</i> , 2014, 6, 7716-7721.	2.7	7
20	The fabrication of a flexible electrode with trace Rh based on polypyrrole for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2021, 57, 7370-7373.	4.1	7
21	Soluble and degradable polyimides with phenyl-2-pyridyl ether structure: Synthesis and characterization. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 481-489.	3.8	6
22	Acid-etched Fe/Fe ₂ O ₃ nanoparticles encapsulated into carbon cloth as a novel voltammetric sensor for the simultaneous detection of Cd ²⁺ and Pb ²⁺ . <i>Analyst</i> , 2021, 146, 691-697.	3.5	6
23	Nanocrystallized Cu ₂ Se grown on electroless Cu coated p-type Si using electrochemical atomic layer deposition. <i>Surface Science</i> , 2015, 631, 173-177.	1.9	5
24	A simple strategy for carboxylated MWNTs as a metal-free electrosensor for anchoring the RhB C ₆₀ group. <i>Analytical Methods</i> , 2019, 11, 2868-2874.	2.7	4
25	Ag Nanostructures on Poly(3-hexylthiophene) and Semiconducting Single-Walled Carbon Nanotube Substrates for SERS Detection of Rhodamine B and Electrochemical Detection of Hydrogen Peroxide. <i>ACS Applied Nano Materials</i> , 2019, 2, 7728-7736.	5.0	3
26	A poly(3,4-ethylenedioxythiophene)/carbon nanotube hybrid film for electrocatalytic determination of tertiary butylhydroquinone. <i>Analyst</i> , 2021, 146, 6846-6851.	3.5	3