

Xiaohui Gao

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,010
citations

471509

17
h-index

642732

23
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23
docs citations

23
times ranked

3358
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon quantum dot-based nanoprobe for metal ion detection. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6927-6945.	5.5	408
2	Strongly Coupled Pd Nanotetrahedron/Tungsten Oxide Nanosheet Hybrids with Enhanced Catalytic Activity and Stability as Oxygen Reduction Electrocatalysts. <i>Journal of the American Chemical Society</i> , 2014, 136, 11687-11697.	13.7	314
3	One-pot synthesis of carbon nanodots for fluorescence turn-on detection of Ag ⁺ based on the Ag ⁺ -induced enhancement of fluorescence. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2302-2309.	5.5	291
4	Ultrafine Pt Nanoclusters Confined in a Calixarene-Based {Ni ₂₄ } Coordination Cage for High-Efficient Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 16236-16239.	13.7	172
5	Charge state-dependent catalytic activity of [Au ₂₅ (SC ₁₂ H ₂₅) ₁₈] nanoclusters for the two-electron reduction of dioxygen to hydrogen peroxide. <i>Chemical Communications</i> , 2014, 50, 8464-8467.	4.1	119
6	Calixarene-Based {Ni ₁₈ } Coordination Wheel: Highly Efficient Electrocatalyst for the Glucose Oxidation and Template for the Homogenous Cluster Fabrication. <i>Journal of the American Chemical Society</i> , 2018, 140, 6271-6277.	13.7	94
7	Colorimetric detection of iron ions (III) based on the highly sensitive plasmonic response of the N-acetyl-L-cysteine-stabilized silver nanoparticles. <i>Analytica Chimica Acta</i> , 2015, 879, 118-125.	5.4	89
8	Sub-nanometer sized Cu ₆ (GSH) ₃ clusters: one-step synthesis and electrochemical detection of glucose. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4050-4056.	5.5	88
9	Single Crystal Sub-Nanometer Sized Cu ₆ (SR) ₆ Clusters: Structure, Photophysical Properties, and Electrochemical Sensing. <i>Advanced Science</i> , 2016, 3, 1600126.	11.2	61
10	Recent developments in copper-based, non-noble metal electrocatalysts for the oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1049-1061.	14.0	59
11	Balancing the Micro-Mesoporosity for Activity Maximization of N-Doped Carbonaceous Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2019, 12, 1017-1025.	6.8	53
12	Highly stable and efficient Pd ₆ (SR) ₁₂ cluster catalysts for the hydrogen and oxygen evolution reactions. <i>Chemical Communications</i> , 2017, 53, 9733-9736.	4.1	50
13	Epitaxial growth of zigzag PtAu alloy surface on Au nano-pentagrams with enhanced Pt utilization and electrocatalytic performance toward ethanol oxidation reaction. <i>Electrochimica Acta</i> , 2017, 238, 263-268.	5.2	39
14	Strong Electron Coupling from the Sub-Nanometer Pd Clusters Confined in Porous Ceria Nanorods for Highly Efficient Electrochemical Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 966-973.	5.1	39
15	Copper Nanoclusters on Carbon Supports for the Electrochemical Oxidation and Detection of Hydrazine. <i>ChemElectroChem</i> , 2016, 3, 1266-1272.	3.4	27
16	Highly Active and Durable PdAg@Pd Core-Shell Nanoparticles as Fuel-Cell Electrocatalysts for the Oxygen Reduction Reaction. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 560-568.	2.3	22
17	Insights into the morphology and composition effects of one-dimensional CuPt nanostructures on the electrocatalytic activities and methanol oxidation mechanism by <i>in situ</i> FTIR. <i>Nanoscale</i> , 2020, 12, 13688-13696.	5.6	21
18	Self-Assembly of Ag ₆ Clusters into Nanowires for Nonenzymatic Electrochemical Sensing of Glucose. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800040.	2.3	18

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19	Novel Pd ₁₃ Cu ₃ S ₇ nanotubes with high electrocatalytic activity towards both oxygen reduction and ethanol oxidation reactions. <i>CrystEngComm</i> , 2016, 18, 6055-6061.	2.6	14
20	N,N-Dimethyl Formamide Regulating Fluorescence of MXene Quantum Dots for the Sensitive Determination of Fe ³⁺ . <i>Nanoscale Research Letters</i> , 2021, 16, 160.	5.7	14
21	Nickel Catalysts Supported on Acetylene Black for High-Efficient Electrochemical Oxidation and Sensitive Detection of Glucose. <i>Nanoscale Research Letters</i> , 2020, 15, 23.	5.7	8
22	Flammulina velutipes-like Co@NCNTs enhancing the electromagnetic wave absorption performance. <i>Results in Physics</i> , 2021, 29, 104751.	4.1	6
23	Copper-based materials derived from metal-organic frameworks for electrochemical sensing of hydrazine. <i>Micro and Nano Letters</i> , 2021, 16, 478-483.	1.3	4