

Xiaorong Gan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

1,294
citations

16
h-index

30
g-index

30
ext. papers

1,603
ext. citations

8.1
avg, IF

5.08
L-index

#	Paper	IF	Citations
29	Multiple application of SAzyme based on carbon nitride nanorod-supported Pt single-atom for H ₂ O ₂ detection, antibiotic detection and antibacterial therapy. <i>Chemical Engineering Journal</i> , 2022 , 427, 131572	14.7	5
28	Single-atom dispersed Cu or Co on 2H-MoS ₂ monolayer for improving electrocatalytic activity of overall water splitting. <i>Surfaces and Interfaces</i> , 2021 , 27, 101538	4.1	4
27	Z-Scheme Flower-Like SnO ₂ /g-C ₃ N ₄ Composite with Sn ²⁺ Active Center for Enhanced Visible-Light Photocatalytic Activity. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2100087	5.9	5
26	Transition metal dichalcogenide-based mixed-dimensional heterostructures for visible-light-driven photocatalysis: Dimensionality and interface engineering. <i>Nano Research</i> , 2021 , 14, 2003-2022	10	20
25	Signal amplified photoelectrochemical assay based on Polypyrrole/g-C ₃ N ₄ /WO ₃ inverse opal photonic crystals triple heterojunction assembled through sandwich-type recognition model. <i>Sensors and Actuators B: Chemical</i> , 2020 , 310, 127888	8.5	16
24	Three-dimension branched crystalline carbon nitride: A high efficiency photoelectrochemical sensor of trace Cu ²⁺ detection. <i>Electrochimica Acta</i> , 2020 , 330, 135336	6.7	15
23	Improving electrocatalytic activity of 2H-MoS ₂ nanosheets obtained by liquid phase exfoliation: Covalent surface modification versus interlayer interaction. <i>Journal of Catalysis</i> , 2020 , 391, 424-434	7.3	12
22	Effects of Mixed Allelochemicals on the Growth of <i>Microcystis aeruginosa</i> , Microcystin Production, Extracellular Polymeric Substances, and Water Quality. <i>Water (Switzerland)</i> , 2020 , 12, 1861	3	3
21	Understanding signal amplification strategies of nanostructured electrochemical sensors for environmental pollutants. <i>Current Opinion in Electrochemistry</i> , 2019 , 17, 56-64	7.2	15
20	Three-Dimensional Branched Crystal Carbon Nitride with Enhanced Intrinsic Peroxidase-Like Activity: A Hypersensitive Platform for Colorimetric Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17467-17474	9.5	19
19	Probing Conformation Change and Binding Mode of Metal Ion-Carboxyl Coordination Complex through Resonant Surface-Enhanced Raman Spectroscopy and Density Functional Theory. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4692-4698	6.4	13
18	Enhanced Electrochemiluminescence Detection for Hydrogen Peroxide Using Peroxidase-Mimetic Fe/N-Doped Porous Carbon. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B1594-B1601	3.9	11
17	Non enzymatic fluorometric determination of glucose by using quenchable g-CN quantum dots. <i>Mikrochimica Acta</i> , 2019 , 186, 779	5.8	8
16	Characterization and Formation Mechanism of the Nanodiamond Synthesized by A High Energy Arc-Plasma. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1800704	1.6	2
15	Covalent functionalization of MoS nanosheets synthesized by liquid phase exfoliation to construct electrochemical sensors for Cd (II) detection. <i>Talanta</i> , 2018 , 182, 38-48	6.2	42
14	Facile Ammonia Synthesis from Electrocatalytic N ₂ Reduction under Ambient Conditions on N-Doped Porous Carbon. <i>ACS Catalysis</i> , 2018 , 8, 1186-1191	13.1	392
13	Carbon nitride with electron storage property: Enhanced exciton dissociation for high-efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 99-106	21.8	59

12	2H/1T Phase Transition of Multilayer MoS ₂ by Electrochemical Incorporation of S Vacancies. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4754-4765	6.1	65
11	Two-dimensional nanomaterial based sensors for heavy metal ions. <i>Mikrochimica Acta</i> , 2018 , 185, 478	5.8	37
10	Two-dimensional layered nanomaterials for visible-light-driven photocatalytic water splitting. <i>Materials Today Energy</i> , 2018 , 10, 352-367	7	34
9	Two-dimensional MoS: A promising building block for biosensors. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 56-71	11.8	161
8	An Electrochemical Sensor Based on Graphene-Polypyrrole Nanocomposite for the Specific Detection of Pb (II). <i>Nano</i> , 2017 , 12, 1750008	1.1	17
7	FeO-AuNPs anchored 2D metal-organic framework nanosheets with DNA regulated switchable peroxidase-like activity. <i>Nanoscale</i> , 2017 , 9, 18699-18710	7.7	96
6	An Electrochemical Sensor based on p-aminothiophenol/Au Nanoparticle-Decorated HxTiS ₂ Nanosheets for Specific Detection of Picomolar Cu (II). <i>Electrochimica Acta</i> , 2016 , 190, 480-489	6.7	16
5	Three-Dimensional Graphene Supported Bimetallic Nanocomposites with DNA Regulated-Flexibly Switchable Peroxidase-Like Activity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9855-64	9.5	79
4	A versatile fluorescent biosensor based on target-responsive graphene oxide hydrogel for antibiotic detection. <i>Biosensors and Bioelectronics</i> , 2016 , 83, 267-73	11.8	85
3	Three-Dimensional Porous HxTiS ₂ Nanosheet-Polyaniline Nanocomposite Electrodes for Directly Detecting Trace Cu(II) Ions. <i>Analytical Chemistry</i> , 2015 , 87, 5605-13	7.8	35
2	Electrochemical DNA sensor for specific detection of picomolar Hg(II) based on exonuclease III-assisted recycling signal amplification. <i>Analyst, The</i> , 2015 , 140, 2029-36	5	25
1	Activating the Basal Planes in 2H-MoTe ₂ Monolayers by Incorporating Single-Atom Dispersed N or P for Enhanced Electrocatalytic Overall Water Splitting. <i>Advanced Sustainable Systems</i> , 2100515	5.9	1