

Xiaorong Gan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9447312/xiaorong-gan-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
28	Two-dimensional MoS: A promising building block for biosensors. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 56-71	11.8	161
27	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
26	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
25	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
24	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
23	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
22	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
21	Two-dimensional nanomaterial based sensors for heavy metal ions. <i>Mikrochimica Acta</i> , 2018 , 185, 478	5.8	37
20	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
19	Two-dimensional layered nanomaterials for visible-light-driven photocatalytic water splitting. <i>Materials Today Energy</i> , 2018 , 10, 352-367	7	34
18	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
17	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
16	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
15	An Electrochemical Sensor Based on Graphene-Polypyrrole Nanocomposite for the Specific Detection of Pb (II). <i>Nano</i> , 2017 , 12, 1750008	1.1	17
14	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
13	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

12	Understanding signal amplification strategies of nanostructured electrochemical sensors for environmental pollutants. <i>Current Opinion in Electrochemistry</i> , 2019 , 17, 56-64	7.2	15
11	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
10	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
9	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
8	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
7	Non enzymatic fluorometric determination of glucose by using quenchable g-CN quantum dots. <i>Mikrochimica Acta</i> , 2019 , 186, 779	5.8	8
6	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
5	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
4	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
3	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
2	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
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