

Bin Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7909680/bin-chen-publications-by-citations.pdf>

Version: 2024-04-09

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.

18
papers

584
citations

13
h-index

18
g-index

18
ext. papers

729
ext. citations

9.2
avg, IF

3.99
L-index

#	Paper	IF	Citations
18	Green synthesis of large-scale highly ordered core@shell nanoporous Au@Ag nanorod arrays as sensitive and reproducible 3D SERS substrates. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15667-75	9.5	101
17	Large-area Ag nanorod array substrates for SERS: AAO template-assisted fabrication, functionalization, and application in detection PCBs. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 240-246	2.3	100
16	Flexible membranes of Ag-nanosheet-grafted polyamide-nanofibers as effective 3D SERS substrates. <i>Nanoscale</i> , 2014 , 6, 4781-8	7.7	78
15	An antenna/spacer/reflector based Au/BiVO ₄ /WO ₃ /Au nanopatterned photoanode for plasmon-enhanced photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 763-771	21.8	51
14	Ostwald Ripening Driven Exfoliation to Ultrathin Layered Double Hydroxides Nanosheets for Enhanced Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44518-44526	9.5	31
13	Ag-nanoparticle-decorated Au-fractal patterns on bowl-like-dimple arrays on Al foil as an effective SERS substrate for the rapid detection of PCBs. <i>Chemical Communications</i> , 2014 , 50, 569-71	5.8	29
12	Multichannel Charge Transport of a BiVO ₄ /(RGO/WO ₃)/WO ₃ Three-Storey Anode for Greatly Enhanced Photoelectrochemical Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6218-6227	9.5	28
11	A biomimetic nanoleaf electrocatalyst for robust oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118017	21.8	28
10	Polyacrylic acid sodium salt film entrapped Ag-nanocubes as molecule traps for SERS detection. <i>Nano Research</i> , 2014 , 7, 1177-1187	10	27
9	Ag-Nanoparticles@Bacterial Nanocellulose as a 3D Flexible and Robust Surface-Enhanced Raman Scattering Substrate. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50713-50720	9.5	24
8	A silver-grafted sponge as an effective surface-enhanced Raman scattering substrate. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 56-63	8.5	24
7	MOF-derived NiCoZnP nanoclusters anchored on hierarchical N-doped carbon nanosheets array as bifunctional electrocatalysts for overall water splitting. <i>Chemical Engineering Journal</i> , 2021 , 422, 130533	14.7	16
6	Silver nanoparticles decorated nanoporous gold for surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2017 , 28, 055301	3.4	14
5	Template-assisted fabrication of Ag-nanoparticles@ZnO-nanorods array as recyclable 3D surface enhanced Raman scattering substrate for rapid detection of trace pesticides. <i>Nanotechnology</i> , 2021 , 32, 145302	3.4	12
4	Ordered arrays of vertically aligned Au-nanotubes grafted with flocky Au/Ag-nanospikes based on electrodeposition and subsequent redox reaction. <i>Electrochemistry Communications</i> , 2015 , 60, 104-108	5.1	10
3	Efficient Photoconversion and Charge Separation of a (Mn ²⁺ -Fe ₂ O ₃)/Reduced Graphene Oxide/(Fe ³⁺ -WO ₃) Photoelectrochemical Anode via Band-Structure Modulation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13462-13472	8.3	9
2	Enhanced Gas Sensing Performance of rGO Wrapped Crystal Facet-Controlled Co ₃ O ₄ Nanocomposite Heterostructures. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 4879-4888	3.8	1

- 1 Light-assisted room temperature gas sensing performance and mechanism of direct Z-scheme MoS₂/SnO₂ crystal faceted heterojunctions. *Journal of Hazardous Materials*, **2022**, 436, 129246 12.8 1