

Bin Chen

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.

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	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
17	Light-assisted room temperature gas sensing performance and mechanism of direct Z-scheme MoS ₂ /SnO ₂ crystal faceted heterojunctions. <i>Journal of Hazardous Materials</i> , 2022 , 436, 129246	12.8	1
16	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
15	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
14	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
13	A biomimetic nanoleaf electrocatalyst for robust oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118017	21.8	28
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	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
10	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
9	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
8	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
7	Silver nanoparticles decorated nanoporous gold for surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2017 , 28, 055301	3.4	14
6	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
5	Flexible membranes of Ag-nanosheet-grafted polyamide-nanofibers as effective 3D SERS substrates. <i>Nanoscale</i> , 2014 , 6, 4781-8	7.7	78
4	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
3	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, 15667-73	9.5	101
2	Polyacrylic acid sodium salt film entrapped Ag-nanocubes as molecule traps for SERS detection. <i>Nano Research</i> , 2014 , 7, 1177-1187	10	27

- 1 Large-area Ag nanorod array substrates for SERS: AAO template-assisted fabrication, functionalization, and application in detection PCBs. *Journal of Raman Spectroscopy*, **2013**, 44, 240-246 2.3 100