

# Chuhong Zhu

## 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.

53 papers	2,056 citations	22 h-index	45 g-index
57 ext. papers	2,362 ext. citations	7 avg, IF	4.89 L-index

#	Paper	IF	Citations
53	Three-dimensional surface-enhanced Raman scattering substrates constructed by integrating template-assisted electrodeposition and post-growth of silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 608, 2111-2119	9.3	5
52	Electrodeposition of rough gold nanoarrays for surface-enhanced Raman scattering detection. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 263, 124388	4.4	2
51	Surface plasmons activate the oxygen evolution reaction over nickel hydroxide electrocatalysts. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 21433-21441	6.7	3
50	Ag-coated 3D Cu(OH) <sub>2</sub> nanowires on the woven copper mesh as a cost-effective surface-enhanced Raman scattering substrate. <i>Surface and Coatings Technology</i> , <b>2021</b> , 415, 127132	4.4	5
49	Ag-nanocubes/graphene-oxide/Au-nanoparticles composite film with highly dense plasmonic hotspots for surface-enhanced Raman scattering detection of pesticide. <i>Microchemical Journal</i> , <b>2021</b> , 165, 106090	4.8	7
48	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> , <b>2021</b> , 32, 145302	3.4	12
47	CdS-Based Photocatalysts for Solar Water Splitting. <i>Journal of Photocatalysis</i> , <b>2021</b> , 02,	0.8	1
46	Surface-Enhanced Raman Spectroscopy for Trace Detection of Tetracycline and Dicyandiamide in Milk Using Transparent Substrate of Ag Nanoparticle Arrays. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 7066-7075	5.6	19
45	Silver nanoparticle-assembled micro-bowl arrays for sensitive SERS detection of pesticide residue. <i>Nanotechnology</i> , <b>2020</b> , 31, 205303	3.4	16
44	A split-type structure of Ag nanoparticles and AlO@Ag@Si nanocone arrays: an ingenious strategy for SERS-based detection. <i>Nanoscale</i> , <b>2020</b> , 12, 4359-4365	7.7	10
43	Silver-nanoparticles/graphene hybrids for effective enrichment and sensitive SERS detection of polycyclic aromatic hydrocarbons. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 228, 117783	4.4	12
42	Ag-Nanoparticles-Decorated Ge-Nanowhisker Grafted on Carbon Fiber Cloth as Flexible and Effective SERS Substrates. <i>ChemistrySelect</i> , <b>2020</b> , 5, 8338-8343	1.8	3
41	Highly sensitive surface-enhanced Raman scattering detection of organic pesticides based on Ag-nanoplate decorated graphene-sheets. <i>Applied Surface Science</i> , <b>2019</b> , 486, 405-410	6.7	22
40	Silver nanocubes/graphene oxide hybrid film on a hydrophobic surface for effective molecule concentration and sensitive SERS detection. <i>Applied Surface Science</i> , <b>2019</b> , 470, 423-429	6.7	20
39	Review Surface-Enhanced Raman Scattering Sensors for Food Safety and Environmental Monitoring. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B3098-B3118	3.9	88
38	Palladium-Cobalt Nanowires Decorated with Jagged Appearance for Efficient Methanol Electro-oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29965-29971	9.5	30
37	A silver-grafted sponge as an effective surface-enhanced Raman scattering substrate. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 56-63	8.5	24

36	A Hierarchical Nanostructure-Based Surface-Enhanced Raman Scattering Sensor for Preconcentration and Detection of Antibiotic Pollutants. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1700028	6.8	17
35	Detection of Dithiocarbamate Pesticides with a Spongelike Surface-Enhanced Raman Scattering Substrate Made of Reduced Graphene Oxide-Wrapped Silver Nanocubes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39618-39625	9.5	54
34	A Hierarchically Ordered Array of Silver-Nanorod Bundles for Surface-Enhanced Raman Scattering Detection of Phenolic Pollutants. <i>Advanced Materials</i> , <b>2016</b> , 28, 4871-6	24	239
33	Ordered arrays of Ag nanodendrite clusters as effective surface-enhanced Raman scattering substrates. <i>RSC Advances</i> , <b>2016</b> , 6, 26490-26494	3.7	7
32	Surface-Enhanced Raman Scattering from Au-Nanorod Arrays with Sub-5-nm Gaps Stuck Out of an AAO Template. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 934-8	1.3	8
31	Fabrication of hexagonally patterned flower-like silver particle arrays as surface-enhanced Raman scattering substrates. <i>Nanotechnology</i> , <b>2016</b> , 27, 325303	3.4	5
30	Silver-Nanorod Bundles: A Hierarchically Ordered Array of Silver-Nanorod Bundles for Surface-Enhanced Raman Scattering Detection of Phenolic Pollutants (Adv. Mater. 24/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 4870	24	7
29	An ordered array of hierarchical spheres for surface-enhanced Raman scattering detection of traces of pesticide. <i>Nanotechnology</i> , <b>2016</b> , 27, 384001	3.4	16
28	In situ synthesis of pristine-graphene/Ag nanocomposites as highly sensitive SERS substrates. <i>RSC Advances</i> , <b>2016</b> , 6, 91579-91583	3.7	6
27	Hexagonally arranged arrays of urchin-like Ag hemispheres decorated with Ag nanoparticles for surface-enhanced Raman scattering substrates. <i>Nano Research</i> , <b>2015</b> , 8, 2261-2270	10	30
26	ZnO-nanotaper array sacrificial templated synthesis of noble-metal building-block assembled nanotube arrays as 3D SERS-substrates. <i>Nano Research</i> , <b>2015</b> , 8, 957-966	10	59
25	R6G/8-AQ co-functionalized Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles for fluorescence detection of trace Hg <sup>2+</sup> and Zn <sup>2+</sup> in aqueous solution. <i>Science China Materials</i> , <b>2015</b> , 58, 550-558	7.1	7
24	Ordered arrays of vertically aligned Au-nanotubes grafted with flocky Au/Ag-nanospikes based on electrodeposition and subsequent redox reaction. <i>Electrochemistry Communications</i> , <b>2015</b> , 60, 104-108	5.1	10
23	A Surface-Enhanced Raman Scattering Sensor Integrated with Battery-Controlled Fluidic Device for Capture and Detection of Trace Small Molecules. <i>Scientific Reports</i> , <b>2015</b> , 5, 12865	4.9	17
22	Flexible membranes of Ag-nanosheet-grafted polyamide-nanofibers as effective 3D SERS substrates. <i>Nanoscale</i> , <b>2014</b> , 6, 4781-8	7.7	78
21	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> , <b>2014</b> , 50, 569-71	5.8	29
20	Ag-nanoparticles-decorated NiO-nanoflakes grafted Ni-nanorod arrays stuck out of porous AAO as effective SERS substrates. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 3686-92	3.6	35
19	Urchin-like Au-nanoparticles@Ag-nanohemisphere arrays as active SERS-substrates for recognition of PCBs. <i>RSC Advances</i> , <b>2014</b> , 4, 19654-19657	3.7	15

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 &amp; Interfaces</i> , <b>2014</b> , 6, 15667-73	9.5	101
17	Ordered arrays of Au-nanobowls loaded with Ag-nanoparticles as effective SERS substrates for rapid detection of PCBs. <i>Nanotechnology</i> , <b>2014</b> , 25, 145605	3.4	32
16	Nano-petri-dish array assisted glancing angle sputtering for Ag-NP assembled bi-nanoring arrays as effective SERS substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 7991-5	9.5	19
15	Gap-tunable Ag-nanorod arrays on alumina nanotip arrays as effective SERS substrates. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 5015	7.1	43
14	Large-area Ag nanorod array substrates for SERS: AAO template-assisted fabrication, functionalization, and application in detection PCBs. <i>Journal of Raman Spectroscopy</i> , <b>2013</b> , 44, 240-246	2.3	100
13	A Generic Synthetic Approach to Large-Scale Pristine-Graphene/Metal-Nanoparticles Hybrids. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5771-5777	15.6	40
12	Ostwald-ripening-induced growth of parallel face-exposed Ag nanoplates on micro-hemispheres for high SERS activity. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9211-7	4.8	12
11	Vertically aligned Ag nanoplate-assembled film as a sensitive and reproducible SERS substrate for the detection of PCB-77. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 211-212, 389-95	12.8	63
10	Arrays of Cone-Shaped ZnO Nanorods Decorated with Ag Nanoparticles as 3D Surface-Enhanced Raman Scattering Substrates for Rapid Detection of Trace Polychlorinated Biphenyls. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 218-224	15.6	283
9	Galvanic-cell-induced growth of Ag nanosheet-assembled structures as sensitive and reproducible SERS substrates. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14948-53	4.8	32
8	Large-scale well-separated Ag nanosheet-assembled micro-hemispheres modified with HS-ECD as effective SERS substrates for trace detection of PCBs. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2271-2278		57
7	Ag nanosheet-assembled micro-hemispheres as effective SERS substrates. <i>Chemical Communications</i> , <b>2011</b> , 47, 2709-11	5.8	97
6	FITC-modified PPy nanotubes embedded in nanoporous AAO membrane can detect trace PCB20 via fluorescence ratiometric measurement. <i>Chemical Communications</i> , <b>2011</b> , 47, 3808-10	5.8	13
5	Au Hierarchical Micro/Nanotower Arrays and Their Improved SERS Effect by Ag Nanoparticle Decoration. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 748-752	3.5	30
4	Improved SERS performance from Au nanopillar arrays by abridging the pillar tip spacing by Ag sputtering. <i>Advanced Materials</i> , <b>2010</b> , 22, 4136-9	24	196
3	Synthesis and thermal expansion of copper nanotubes and nanowires with Y- and step-shaped topologies. <i>Small</i> , <b>2010</b> , 6, 381-5	11	8
2	Size-tunable nano-dots and nano-rings from nanochannel-confined electrodeposition. <i>Chemical Communications</i> , <b>2009</b> , 7110-2	5.8	11
1	Carbon Defects Induced Delocalization of Electrons Enables Efficient Charge Separation in Graphitic Carbon Nitride for Increased Photocatalytic H <sub>2</sub> Generation. <i>Catalysis Letters</i> , 1	2.8	0

