

# Binbin Zhou

## List of Publications by Year in descending order

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26  
papers

649  
citations

623734  
14  
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580821  
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27  
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docs citations

27  
times ranked

800  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal coordination induced SERS nanoprobe for sensitive and selective detection of histamine in serum. <i>Talanta</i> , 2022, 237, 122913.	5.5	14
2	Self-templated formation of twin-like metal-organic framework nanobricks as pre-catalysts for efficient water oxidation. <i>Nano Research</i> , 2022, 15, 2887-2894.	10.4	12
3	An anti-freezing biomineral hydrogel of high strain sensitivity for artificial skin applications. <i>Nano Research</i> , 2022, 15, 6655-6661.	10.4	14
4	Surfactant-free preparation expanded graphite coupled with Ag nanoparticles as SERS high sensor via optimizing electromagnetic enhancement and adsorption behavior. <i>Applied Surface Science</i> , 2022, 592, 153264.	6.1	5
5	Insertable, Scabbarded, and Nanoetched Silver Needle Sensor for Hazardous Element Depth Profiling by Laser-Induced Breakdown Spectroscopy. <i>ACS Sensors</i> , 2022, 7, 1381-1389.	7.8	14
6	In situ surface-enhanced Raman spectroscopy monitoring of molecular reorientation in plasmon-mediated chemical reactions. <i>Journal of Catalysis</i> , 2022, 413, 527-533.	6.2	5
7	Hydrogen-bond activated ESIPT in naphthalimide-based fluorescent probe for sensing volatile amines. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 281, 121567.	3.9	10
8	The rationality of using core-shell nanoparticles with embedded internal standards for SERS quantitative analysis based glycerol-assisted 3D hotspots platform. <i>RSC Advances</i> , 2021, 11, 20326-20334.	3.6	6
9	Plasmonic metal nanostructures: concepts, challenges and opportunities in photo-mediated chemical transformations. <i>IScience</i> , 2021, 24, 101982.	4.1	19
10	Facile Surfactant-free, Reductant-free, and Ag Salt-free Growth of Ag Nanoparticles with Controllable Size from 35 to 660 nm on Bulk Ag Materials. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2249-2252.	3.3	5
11	One-step synthesis of mesoporous Cobalt sulfides (CoS <sub>x</sub> ) on the metal substrate as an efficient bifunctional electrode for overall water splitting. <i>Electrochimica Acta</i> , 2021, 389, 138786.	5.2	24
12	Insertable and reusable SERS sensors for rapid on-site quality control of fish and meat products. <i>Chemical Engineering Journal</i> , 2021, 426, 130733.	12.7	26
13	Controlling Plasmon-Aided Reduction of <i>p</i> -Nitrothiophenol by Tuning the Illumination Wavelength. <i>ACS Catalysis</i> , 2021, 11, 14898-14905.	11.2	14
14	Thermal and Nonthermal Effects in Plasmon-Mediated Electrochemistry at Nanostructured Ag Electrodes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6790-6793.	13.8	49
15	Thermal and Nonthermal Effects in Plasmon-Mediated Electrochemistry at Nanostructured Ag Electrodes. <i>Angewandte Chemie</i> , 2020, 132, 6856-6859.	2.0	4
16	Gold Nanoparticle-Decorated Silver Needle for Surface-Enhanced Raman Spectroscopy Screening of Residual Malachite Green in Aquaculture Products. <i>ACS Applied Nano Materials</i> , 2019, 2, 2752-2757.	5.0	33
17	Amphiphilic Functionalized Acupuncture Needle as SERS Sensor for In Situ Multiphase Detection. <i>Analytical Chemistry</i> , 2018, 90, 3826-3832.	6.5	43
18	Sodium Chloride Crystal-Induced SERS Platform for Controlled Highly Sensitive Detection of Illicit Drugs. <i>Chemistry - A European Journal</i> , 2018, 24, 4800-4804.	3.3	23

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19	Natural Deposition Strategy for Interfacial, Self-Assembled, Large-Scale, Densely Packed, Monolayer Film with Ligand-Exchanged Gold Nanorods for In Situ Surface-Enhanced Raman Scattering Drug Detection. Chemistry - A European Journal, 2018, 24, 4094-4102.	3.3	45
20	Probing catecholamine neurotransmitters based on iron-coordination surface-enhanced resonance Raman spectroscopy label. Sensors and Actuators B: Chemical, 2018, 268, 350-358.	7.8	32
21	Highly Selective and Repeatable Surface-Enhanced Resonance Raman Scattering Detection for Epinephrine in Serum Based on Interface Self-Assembled 2D Nanoparticles Arrays. ACS Applied Materials & Interfaces, 2017, 9, 7772-7779.	8.0	56
22	Optimal Hotspots of Dynamic Surface-Enhanced Raman Spectroscopy for Drugs Quantitative Detection. Analytical Chemistry, 2017, 89, 4875-4881.	6.5	77
23	Functionalized Acupuncture Needle as Surface-Enhanced Resonance Raman Spectroscopy Sensor for Rapid and Sensitive Detection of Dopamine in Serum and Cerebrospinal Fluid. Chemistry - A European Journal, 2017, 23, 14278-14285.	3.3	33
24	Real-time monitoring of plasmon-induced proton transfer of hypoxanthine in serum. Nanoscale, 2017, 9, 12307-12310.	5.6	12
25	Designing of ordered two-dimensional gold nanoparticles film for cocaine detection in human urine using surface-enhanced Raman spectroscopy. Talanta, 2017, 164, 693-699.	5.5	53
26	Raman Spectroscopy as a Superior Tool To Understand the Synthetic Pathway of Cu <sub>2</sub> FeSnS <sub>4</sub> Nanoparticles. European Journal of Inorganic Chemistry, 2015, 2015, 2690-2694.	2.0	21