Binbin Zhou

List of Publications by Year
in descending order

26 papers	649 citations	623734 14 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	800 citing authors

#	Article	IF	Citations
1	Optimal Hotspots of Dynamic Surfaced-Enhanced Raman Spectroscopy for Drugs Quantitative Detection. Analytical Chemistry, 2017, 89, 4875-4881.	6.5	77
2	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
3	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
4	Thermal and Nonthermal Effects in Plasmonâ€Mediated Electrochemistry at Nanostructured Ag Electrodes. Angewandte Chemie - International Edition, 2020, 59, 6790-6793.	13.8	49
5	Natural Deposition Strategy for Interfacial, Selfâ€Assembled, Largeâ€Scale, Densely Packed, Monolayer Film with Ligandâ€Exchanged Gold Nanorods for In Situ Surfaceâ€Enhanced Raman Scattering Drug Detection. Chemistry - A European Journal, 2018, 24, 4094-4102.	3.3	45
6	Amphiphilic Functionalized Acupuncture Needle as SERS Sensor for In Situ Multiphase Detection. Analytical Chemistry, 2018, 90, 3826-3832.	6.5	43
7	Functionalized Acupuncture Needle as Surfaceâ€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
8	Gold Nanoparticle-Decorated Silver Needle for Surface-Enhanced Raman Spectroscopy Screening of Residual Malachite Green in Aquaculture Products. ACS Applied Nano Materials, 2019, 2, 2752-2757.	5.0	33
9	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
10	Insertable and reusable SERS sensors for rapid on-site quality control of fish and meat products. Chemical Engineering Journal, 2021, 426, 130733.	12.7	26
11	One-step synthesis of mesoporous Cobalt sulfides (CoSx) on the metal substrate as an efficient bifunctional electrode for overall water splitting. Electrochimica Acta, 2021, 389, 138786.	5.2	24
12	Sodium Chloride Crystalâ€Induced SERS Platform for Controlled Highly Sensitive Detection of Illicit Drugs. Chemistry - A European Journal, 2018, 24, 4800-4804.	3.3	23
13	Raman Spectroscopy as a Superior Tool To Understand the Synthetic Pathway of Cu2FeSnS4Nanoparticles. European Journal of Inorganic Chemistry, 2015, 2015, 2690-2694.	2.0	21
14	Plasmonic metal nanostructures: concepts, challenges and opportunities in photo-mediated chemical transformations. IScience, 2021, 24, 101982.	4.1	19
15	Metal coordination induced SERS nanoprobe for sensitive and selective detection of histamine in serum. Talanta, 2022, 237, 122913.	5.5	14
16	Controlling Plasmon-Aided Reduction of p-Nitrothiophenol by Tuning the Illumination Wavelength. ACS Catalysis, 2021, 11, 14898-14905.	11.2	14
17	An anti-freezing biomineral hydrogel of high strain sensitivity for artificial skin applications. Nano Research, 2022, 15, 6655-6661.	10.4	14
18	Insertable, Scabbarded, and Nanoetched Silver Needle Sensor for Hazardous Element Depth Profiling by Laser-Induced Breakdown Spectroscopy. ACS Sensors, 2022, 7, 1381-1389.	7.8	14

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19	Real-time monitoring of plasmon-induced proton transfer of hypoxanthine in serum. Nanoscale, 2017, 9, 12307-12310.	5.6	12
20	Self-templated formation of twin-like metal-organic framework nanobricks as pre-catalysts for efficient water oxidation. Nano Research, 2022, 15, 2887-2894.	10.4	12
21	Hydrogen-bond activated ESIPT in naphthalimide-based fluorescent probe for sensing volatile amines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 281, 121567.	3.9	10
22	The rationality of using coreâ€“shell nanoparticles with embedded internal standards for SERS quantitative analysis based glycerol-assisted 3D hotspots platform. RSC Advances, 2021, 11, 20326-20334.	3.6	6
23	Facile Surfactantâ€, Reductantâ€, and Ag Saltâ€free Growth of Ag Nanoparticles with Controllable Size from 35 to 660â€‰nm on Bulk Ag Materials. Chemistry - an Asian Journal, 2021, 16, 2249-2252.	3.3	5
24	Surfactant-free preparation expanded graphite coupled with Ag nanoparticles as SERS high sensor via optimizing electromagnetic enhancement and adsorption behavior. Applied Surface Science, 2022, 592, 153264.	6.1	5
25	In situ surface-enhanced Raman spectroscopy monitoring of molecular reorientation in plasmon-mediated chemical reactions. Journal of Catalysis, 2022, 413, 527-533.	6.2	5
26	Thermal and Nonthermal Effects in Plasmonâ€Mediated Electrochemistry at Nanostructured Ag Electrodes. Angewandte Chemie, 2020, 132, 6856-6859.	2.0	4