

Surface-Enhanced Raman Spectroscopy for Bioanalysis

Chemical Reviews

118, 4946-4980

DOI: [10.1021/acs.chemrev.7b00668](https://doi.org/10.1021/acs.chemrev.7b00668)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A novel trimeric cationic surfactant as a highly efficient capping agent for the synthesis of trisoctahedral gold nanocrystals. <i>CrystEngComm</i> , 2018, 20, 7631-7636.	2.6	4
2	TiO ₂ Nanofoam@Nanotube Array for Surface-Enhanced Raman Scattering. <i>ACS Applied Nano Materials</i> , 2018, 1, 6563-6566.	5.0	20
3	Implementation of plasmonic band structure to understand polariton hybridization within metamaterials. <i>Optics Express</i> , 2018, 26, 29363.	3.4	4
4	On the Cooperativity Effect in Watson and Crick and Wobble Pairs for a Halouracil Series and Its Potential Quantitative Application Studied through Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 14165-14172.	6.5	1
5	Surface-Enhanced Raman Scattering (SERS) With Silver Nano Substrates Synthesized by Microwave for Rapid Detection of Foodborne Pathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 2857.	3.5	58
6	Graphene Oxide as an Optical Biosensing Platform: A Progress Report. <i>Advanced Materials</i> , 2019, 31, e1805043.	21.0	117
7	A Density Functional Theoretical Study on the Charge Transfer Enhancement in Surface-Enhanced Raman Scattering. <i>ChemPhysChem</i> , 2018, 19, 3401-3409.	2.1	1
8	Fabrication and simulation of V-shaped Ag nanorods as high-performance SERS substrates. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25623-25628.	2.8	12
9	Developing Hollow-Channel Gold Nanoflowers as Trimodal Intracellular Nanoprobes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2327.	4.1	8
10	Construction of Long Narrow Gaps in Ag Nanoplates. <i>Journal of the American Chemical Society</i> , 2018, 140, 15560-15563.	13.7	91
11	Dynamic Monitoring of the Oxidation Process of Phosphatidylcholine Using SERS Analysis. <i>Analytical Chemistry</i> , 2018, 90, 13751-13758.	6.5	6
12	Antibody-Free Discrimination of Protein Biomarkers in Human Serum Based on Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 12342-12346.	6.5	22
13	Gold-Decorated Nanodiamonds: Powerful Multifunctional Materials for Sensing, Imaging, Diagnostics, and Therapy. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 5138-5145.	2.0	7
14	Surfactant-Free Interface Suspended Gold Graphitic Surface-Enhanced Raman Spectroscopy Substrate for Simultaneous Multiphase Analysis. <i>Analytical Chemistry</i> , 2018, 90, 11183-11187.	6.5	21
15	On-demand quantitative SERS bioassays facilitated by surface-tethered ratiometric probes. <i>Chemical Science</i> , 2018, 9, 8089-8093.	7.4	41
16	Laser focal point sequestration for Raman micro-spectroscopy of thermally sensitive fuel cell catalytic layers. <i>Electrochimica Acta</i> , 2018, 283, 1079-1086.	5.2	2
17	Synthesis of Au@Ag core-shell nanostructures with a poly(3,4-dihydroxy-L-phenylalanine) interlayer for surface-enhanced Raman scattering imaging of epithelial cells. <i>Mikrochimica Acta</i> , 2018, 185, 353.	5.0	8
18	Exploring the margins of SERS in practical domain: An emerging diagnostic modality for modern biomedical applications. <i>Biomaterials</i> , 2018, 181, 140-181.	11.4	86

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20	Tracing the molecular dynamics of living mitochondria under phototherapy via surface-enhanced Raman scattering spectroscopy. <i>Analyst, The</i> , 2019, 144, 5521-5527.	3.5	10
21	Multiplex SERS Chemosensing of Metal Ions via DNA-Mediated Recognition. <i>Analytical Chemistry</i> , 2019, 91, 11778-11784.	6.5	23
22	In situ analysis of pesticide residues on the surface of agricultural products via surface-enhanced Raman spectroscopy using a flexible Au@Ag@PDMS substrate. <i>New Journal of Chemistry</i> , 2019, 43, 13075-13082.	2.8	23
23	SERS-based differential diagnosis between multiple solid malignancies: breast, colorectal, lung, ovarian and oral cancer. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6165-6178.	6.7	62
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28	Core-Shell-Structured Gold Nanocone Array for Label-Free DNA Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 4983-4990.	5.0	33
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38	Wafer-Scale Polymer-Based Transparent Nanocorals with Excellent Nanoplasmonic Photothermal Stability for High-Power and Superfast SERS Imaging. <i>Advanced Optical Materials</i> , 2019, 7, 1901413.	7.3	16
39	Hierarchical TiO ₂ @Ag composite with three-dimensional hot spots for trace detection. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151994.	5.5	3
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45	Engineering State-of-the-Art Plasmonic Nanomaterials for SERS-Based Clinical Liquid Biopsy Applications. <i>Advanced Science</i> , 2019, 6, 1900730.	11.2	112
46	Transfer and Amplification of Chirality Within the "Ring of Fire" Observed in Resonance Raman Optical Activity Experiments. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16495-16498.	13.8	27
47	High-throughput DNA sequencing reveals the dominance of pico- and other filamentous cyanobacteria in an urban freshwater Lake. <i>Science of the Total Environment</i> , 2019, 661, 465-480.	8.0	28
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78	A review of cellulose-based substrates for SERS: fundamentals, design principles, applications. <i>Cellulose</i> , 2019, 26, 6489-6528.	4.9	95
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126	Label-Free Detection of Multiplexed Metabolites at Single-Cell Level via a SERS-Microfluidic Droplet Platform. <i>Analytical Chemistry</i> , 2019, 91, 15484-15490.	6.5	58

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128	Sensitive detection of polycyclic aromatic hydrocarbons with gold colloid coupled chloride ion SERS sensor. <i>Analyst, The</i> , 2019, 144, 6698-6705.	3.5	21
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1206	A review of SERS coupled microfluidic platforms: From configurations to applications. <i>Analytica Chimica Acta</i> , 2024, 1296, 342291.	5.4	0
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