

CITATION REPORT

List of articles citing

Gecko-Inspired Nanotentacle Surface-Enhanced Raman Spectroscopy Substrate for Sampling and Reliable Detection of Pesticide Residues in Fruits and Vegetal

DOI: 10.1021/acs.analchem.6b04324
Analytical Chemistry, 2017, 89, 2424-2431.

Source: <https://exaly.com/paper-pdf/65996543/citation-report.pdf>

Version: 2024-04-24

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
182	Stable, Flexible, and High-Performance SERS Chip Enabled by a Ternary Film-Packaged Plasmonic Nanoparticle Array.		
181	Paper-Based SERS Sensing Platform Based on 3D Silver Dendrites and Molecularly Imprinted Identifier Sandwich Hybrid for Neonicotinoid Quantification.		
180	Surface-Enhanced Raman Scattering Trace-Detection Platform Based on Continuous-Rolling-Assisted Evaporation on Superhydrophobic Surfaces.		
179	Cauliflower-Inspired 3D SERS Substrate for Multiple Mycotoxins Detection.		
178	A high-performance SERS-imprinted sensor doped with silver particles of different surface morphologies for selective detection of pyrethroids in rivers. 2017 , 41, 14342-14350		31
177	Silica nanowire assemblies as three-dimensional, optically transparent platforms for constructing highly active SERS substrates. <i>Nanoscale</i> , 2017 , 9, 15901-15910	7.7	19
176	Detection of Pesticide Residues in Food Using Surface-Enhanced Raman Spectroscopy: A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6719-6726	5.7	168
175	Colorimetric and chemiluminescent dual-readout immunochromatographic assay for detection of pesticide residues utilizing g-CN/BiFeO nanocomposites. 2018 , 106, 43-49		88
174	Fabrication of a self-assembled and flexible SERS nanosensor for explosive detection at parts-per-quadrillion levels from fingerprints. 2018 , 143, 2012-2022		59
173	A colorimetric sensor array based on sulfuric acid assisted KMnO fading for the detection and identification of pesticides. <i>Talanta</i> , 2018 , 181, 305-310	6.2	13
172	Dragonfly wing decorated by gold nanoislands as flexible and stable substrates for surface-enhanced Raman scattering (SERS). 2018 , 8, 6916		29
171	Review of optical sensors for pesticides. 2018 , 103, 1-20		182
170	Ultrasensitive detection of salbutamol in animal urine by immunomagnetic bead treatment coupling with surface-enhanced Raman spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2329-2338 ^{8,5} 24		
169	Pressing solids directly into sheets of plasmonic nanojunctions enables solvent-free surface-enhanced Raman spectroscopy. <i>Applied Materials Today</i> , 2018 , 13, 352-358	6.6	13
168	Simultaneous In Situ Extraction and Fabrication of Surface-Enhanced Raman Scattering Substrate for Reliable Detection of Thiram Residue. <i>Analytical Chemistry</i> , 2018 , 90, 13647-13654	7.8	54
167	Improving SERS hot spots for on-site pesticide detection by combining silver nanoparticles with nanowires. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8793-8803	7.1	61
166	Au-Decorated Dragonfly Wing Bioscaffold Arrays as Flexible Surface-Enhanced Raman Scattering (SERS) Substrate for Simultaneous Determination of Pesticide Residues. <i>Nanomaterials</i> , 2018 , 8,	5.4	16

165	Recent progressive preparations and applications of silver-based SERS substrates. 2018 , 106, 246-258		37
164	Robust, flexible, sticky and high sensitive SERS membrane for rapid detection applications. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 676-681	8.5	23
163	Rapid, simple and quantitative detection of metolcarb residues in apples by surface-enhanced Raman scattering. 2018 , 8, 075001		2
162	Flexible SERS substrate for portable Raman analysis of biosamples. <i>Applied Surface Science</i> , 2018 , 458, 95-99	6.7	33
161	Polydopamine@Gold Nanowaxberry Enabling Improved SERS Sensing of Pesticides, Pollutants, and Explosives in Complex Samples. <i>Analytical Chemistry</i> , 2018 , 90, 9048-9054	7.8	40
160	Quantification of trace chemicals in unknown complex systems by SERS. <i>Talanta</i> , 2018 , 186, 452-458	6.2	9
159	Dual functional PDMS sponge SERS substrate for the on-site detection of pesticides both on fruit surfaces and in juice. 2018 , 143, 2689-2695		31
158	Quantitative Determination of Chlormequat Chloride Residue in Wheat Using Surface-Enhanced Raman Spectroscopy. 2018 , 2018, 6146489		5
157	Grating-like SERS substrate with tunable gaps based on nanorough Ag nanoislands/moth wing scale arrays for quantitative detection of cypermethrin. <i>Optics Express</i> , 2018 , 26, 22168-22181	3.3	22
156	Rapid and sensitive on-site detection of pesticide residues in fruits and vegetables using screen-printed paper-based SERS swabs. <i>Analytical Methods</i> , 2018 , 10, 4655-4664	3.2	36
155	Kinetically-Controlled Growth of Chestnut-Like Au Nanocrystals with High-Density Tips and Their High SERS Performances on Organochlorine Pesticides. <i>Nanomaterials</i> , 2018 , 8,	5.4	6
154	Plasmonic Au nanostar Raman probes coupling with highly ordered TiO/Au nanotube arrays as the reliable SERS sensing platform for chronic myeloid leukemia drug evaluation. 2018 , 117, 260-266		20
153	Holographic Fabrication of 3D Nanostructures. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800330	4.6	12
152	3D-assembled Ag nanowires for use in plasmon-enhanced spectroscopic sensors. 2019 , 54, 325-347		9
151	Hydrophobic AgNPs: one-step synthesis in aqueous solution and their greatly enhanced performance for SERS detection. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10465-10470	7.1	9
150	Nanoflower-like Ag/AAO SERS platform with quasi-photonic crystal nanostructure for efficient detection of goat serum. 2019 , 19, 1276-1285		10
149	Stable, Flexible, and High-Performance SERS Chip Enabled by a Ternary Film-Packaged Plasmonic Nanoparticle Array. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29177-29186	9.5	98
148	A Water-Stable Luminescent Metal-Organic Framework for Rapid and Visible Sensing of Organophosphorus Pesticides. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26250-26260	9.5	64

147	Toward Flexible Surface-Enhanced Raman Scattering (SERS) Sensors for Point-of-Care Diagnostics. 2019 , 6, 1900925		218
146	Observation of an Emerging Charged Domain Wall at a Non-ferroelectric Heterointerface with Aberration-corrected STEM. 2019 , 25, 672-673		
145	Effect of honeycomb bulkheads on uniaxial undrained bearing capacities of wide-shallow bucket foundation. 2019 , 304, 022058		
144	A novel reactive power optimization method for distributed power system using PSO. 2019 , 1303, 012107		
143	Near-Infrared Light-Enhanced Protease-Conjugated Gold Nanorods As A Photothermal Antimicrobial Agent For Elimination Of Exotoxin And Biofilms. 2019 , 14, 8047-8058		14
142	Facile fabrication of a large-area and cost-effective PDMS-SERS substrate by sandpaper template-assisted lithography. <i>Analytical Methods</i> , 2019 , 11, 4917-4922	3.2	12
141	Sensing strategy based on Carbon Quantum Dots obtained from riboflavin for the identification of pesticides. <i>Sensors and Actuators B: Chemical</i> , 2019 , 301, 127149	8.5	22
140	Enzymatic reaction modulation of G-quadruplex formation for the sensitive homogeneous fluorescence sensing of cholinesterase and organophosphate pesticides. <i>Analytical Methods</i> , 2019 , 11, 980-988	3.2	6
139	A hybrid triazine-imine core-shell magnetic covalent organic polymer for analysis of pesticides in fruit samples by ultra high performance liquid chromatography with tandem mass spectrometry. 2019 , 42, 1432-1439		10
138	ABD spongy flexible nanosheet array for on-site recyclable swabbing extraction and subsequent SERS analysis of thiram. 2019 , 186, 458		8
137	Silver films coated inverted cone-shaped nanopore array anodic aluminum oxide membranes for SERS analysis of trace molecular orientation. <i>Applied Surface Science</i> , 2019 , 488, 707-713	6.7	10
136	Polymer induced one-step interfacial self-assembly method for the fabrication of flexible, robust and free-standing SERS substrates for rapid on-site detection of pesticide residues. <i>Nanoscale</i> , 2019 , 11, 12829-12836	7.7	24
135	Screening pesticide residues on fruit peels using portable Raman spectrometer combined with adhesive tape sampling. <i>Food Chemistry</i> , 2019 , 295, 254-258	8.5	35
134	Surface-Imprinted Gold Nanoparticle-Based Surface-Enhanced Raman Scattering for Sensitive and Specific Detection of Patulin in Food Samples. 2019 , 12, 1648-1657		28
133	Rapid and fingerprinted monitoring of pesticide methyl parathion on the surface of fruits/leaves as well as in surface water enabled by gold nanorods based casting-and-sensing SERS platform. <i>Talanta</i> , 2019 , 200, 84-90	6.2	24
132	In-Situ Grown Silver Nanoparticles on Nonwoven Fabrics Based on Mussel-Inspired Polydopamine for Highly Sensitive SERS Carbaryl Pesticides Detection. <i>Nanomaterials</i> , 2019 , 9,	5.4	29
131	Tape-Imprinted Hierarchical Lotus Seedpod-Like Arrays for Extraordinary Surface-Enhanced Raman Spectroscopy. 2019 , 15, e1804527		19
130	Rapid detection of multiple organophosphorus pesticides (triazophos and parathion-methyl) residues in peach by SERS based on core-shell bimetallic Au@Ag NPs. 2019 , 36, 762-778		27

129	Cauliflower-Inspired 3D SERS Substrate for Multiple Mycotoxins Detection. <i>Analytical Chemistry</i> , 2019 , 91, 3885-3892	7.8	115
128	Application of nano-ELISA in food analysis: Recent advances and challenges. 2019 , 113, 140-156		114
127	Sandwich-like Ag@Cu@CW SERS substrate with tunable nanogaps and component based on the Plasmonic nanonodule structures for sensitive detection crystal violet and 4-aminothiophenol. <i>Applied Surface Science</i> , 2019 , 479, 879-886	6.7	54
126	Insight into the working wavelength of hotspot effects generated by popular nanostructures. 2019 , 8, 24-34		6
125	Fabrication of silver-coated gold nanoparticles to simultaneously detect multi-class insecticide residues in peach with SERS technique. <i>Talanta</i> , 2019 , 196, 537-545	6.2	62
124	In situ synthesis of gold nanoparticles on pseudo-paper films as flexible SERS substrate for sensitive detection of surface organic residues. <i>Talanta</i> , 2019 , 197, 225-233	6.2	25
123	Glutathione modified Ag nanoparticles as efficient detector for pyrimethanil. <i>Nanotechnology</i> , 2019 , 30, 115502	3.4	4
122	Determination of Sulfite in Botanical Medicine Using Headspace Thin-Film Microextraction and Surface Enhanced Raman Spectrometry. 2019 , 52, 1236-1246		7
121	Flexible bipyramid-AuNPs based SERS tape sensing strategy for detecting methyl parathion on vegetable and fruit surface. <i>Sensors and Actuators B: Chemical</i> , 2019 , 285, 123-128	8.5	41
120	Superhydrophobic SERS substrates based on silver dendrite-decorated filter paper for trace detection of nitenpyram. <i>Analytica Chimica Acta</i> , 2019 , 1049, 170-178	6.6	39
119	A critical review of flexible and porous SERS sensors for analytical chemistry at the point-of-sample. <i>Analytica Chimica Acta</i> , 2019 , 1060, 17-29	6.6	68
118	Highly Efficient Abiotic Assay Formats for Methyl Parathion: Molecularly Imprinted Polymer Nanoparticle Assay as an Alternative to Enzyme-Linked Immunosorbent Assay. <i>Analytical Chemistry</i> , 2019 , 91, 958-964	7.8	28
117	A Review of Chinese Raman Spectroscopy Research Over the Past Twenty Years. 2020 , 74, 130-159		2
116	Intrinsic Raman signal of polymer matrix induced quantitative multiphase SERS analysis based on stretched PDMS film with anchored Ag nanoparticles/Au nanowires. 2020 , 381, 122710		71
115	On-spot surface enhanced Raman scattering detection of Aflatoxin B in peanut extracts using gold nanobipyramids evenly trapped into the AAO nanoholes. <i>Food Chemistry</i> , 2020 , 307, 125528	8.5	25
114	Molecular (Raman, NIR, and FTIR) spectroscopy and multivariate analysis in consumable products analysis1. 2020 , 55, 647-723		14
113	Enzyme induced molecularly imprinted polymer on SERS substrate for ultrasensitive detection of patulin. <i>Analytica Chimica Acta</i> , 2020 , 1101, 111-119	6.6	22
112	Surface molecularly-imprinted magnetic nanoparticles coupled with SERS sensing platform for selective detection of malachite green. <i>Sensors and Actuators B: Chemical</i> , 2020 , 325, 128787	8.5	22

111	A smart-phone based ratiometric nanoprobe for label-free detection of methyl parathion. <i>Sensors and Actuators B: Chemical</i> , 2020 , 322, 128580	8.5	18
110	Please Avoid Plotting Analytical Response against Logarithm of Concentration. <i>Analytical Chemistry</i> , 2020 , 92, 10210-10212	7.8	13
109	Ag nanocubes decorated 1T-MoS ₂ nanosheets SERS substrate for reliable and ultrasensitive detection of pesticides. <i>Applied Materials Today</i> , 2020 , 21, 100871	6.6	15
108	Towards a traceable enhancement factor in surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16513-16519	7.1	2
107	Surface-Enhanced Raman Scattering: Introduction and Applications. 2020 ,		4
106	Applications of surface-enhanced Raman spectroscopy in detection fields. 2020 , 15, 2971-2989		6
105	Fluorescence sensor for organophosphorus pesticide detection based on the alkaline phosphatase-triggered reaction. <i>Analytica Chimica Acta</i> , 2020 , 1131, 102-108	6.6	16
104	Rapid simultaneous adsorption and SERS detection of acid orange II using versatile gold nanoparticles decorated NH-MIL-101(Cr). <i>Analytica Chimica Acta</i> , 2020 , 1129, 126-135	6.6	17
103	Functional nanostructured metal oxides and its hybrid electrodes [Recent advancements in electrochemical biosensing applications. <i>Microchemical Journal</i> , 2020 , 159, 105522	4.8	18
102	Synthesis of silver nanoplates on electrospun fibers via tollens reaction for SERS sensing of pesticide residues. 2020 , 187, 560		9
101	Large-Scale Flexible Surface-Enhanced Raman Scattering (SERS) Sensors with High Stability and Signal Homogeneity. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45332-45341	9.5	22
100	Loading of Au/Ag Bimetallic Nanoparticles within and Outside of the Flexible SiO ₂ Electrospun Nanofibers as Highly Sensitive, Stable, Repeatable Substrates for Versatile and Trace SERS Detection. 2020 , 12,		10
99	Application of Multiplexed Aptasensors in Food Contaminants Detection. 2020 , 5, 3721-3738		23
98	Nanozyme Sensor Arrays Based on Heteroatom-Doped Graphene for Detecting Pesticides. <i>Analytical Chemistry</i> , 2020 , 92, 7444-7452	7.8	76
97	Rapid detection of five pesticide residues using complexes of gold nanoparticle and porphyrin combined with ultraviolet visible spectrum. 2020 , 100, 4464-4473		4
96	Nanozyme-linked immunosorbent assay for porcine circovirus type 2 antibody using HAuCl ₄ /H ₂ O ₂ coloring system. <i>Microchemical Journal</i> , 2020 , 157, 105079	4.8	6
95	Shape-Controlled Hierarchical Flowerlike Au Nanostructure Microarrays by Electrochemical Growth for Surface-Enhanced Raman Spectroscopy Application. <i>Analytical Chemistry</i> , 2020 , 92, 9838-9846	7.8	15
94	Sensitive detection of organic pollutants by advanced nanostructures. 2020 , 35-74		

93	Surface-enhanced Raman spectroscopy for on-site analysis: A review of recent developments. 2020 , 35, 808-820		36
92	Improved lateral flow strip based on hydrophilic/hydrophobic SERS substrate for ultra-sensitive and quantitative immunoassay. <i>Applied Surface Science</i> , 2020 , 529, 147121	6.7	15
91	Surface-enhanced Raman spectroscopy for polychlorinated biphenyl detection: Recent developments and future prospects. 2020 , 125, 115836		16
90	Small Molecular Contaminant and Microorganism Can Be Simultaneously Detected Based on Nanobody-Phage: Using Carcinogen Aflatoxin and Its Main Fungal Section spp. in Stored Maize for Demonstration. 2019 , 10, 3023		1
89	Macroscopic two-dimensional monolayer films of gold nanoparticles: fabrication strategies, surface engineering and functional applications. <i>Nanoscale</i> , 2020 , 12, 7433-7460	7.7	30
88	In Situ Recyclable Surface-Enhanced Raman Scattering-Based Detection of Multicomponent Pesticide Residues on Fruits and Vegetables by the Flower-like MoS ₂ @Ag Hybrid Substrate. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14386-14399	9.5	70
87	Two-dimensional flower-shaped Au@Ag nanoparticle arrays as effective SERS substrates with high sensitivity and reproducibility for detection of thiram. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3838-3845	7.1	17
86	Trace analysis of organic compounds in foods with surface-enhanced Raman spectroscopy: Methodology, progress, and challenges. 2020 , 19, 622-642		20
85	Flexible paper-based SERS substrate strategy for rapid detection of methyl parathion on the surface of fruit. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 231, 118104	4.4	22
84	Rapid nondestructive detection of mixed pesticides residues on fruit surface using SERS combined with self-modeling mixture analysis method. <i>Talanta</i> , 2020 , 217, 120998	6.2	76
83	Double-enzymes-mediated Fe/Fe conversion as magnetic relaxation switch for pesticide residues sensing. 2021 , 403, 123619		10
82	Highly sensitively detecting tetramethylthiuram disulfide based on synergistic contribution of metal and semiconductor in stable Ag/TiO ₂ core-shell SERS substrates. <i>Applied Surface Science</i> , 2021 , 539, 147744	6.7	18
81	Application of nanomaterials-based sensor for food analysis. 2021 , 213-235		1
80	A sensitive and reproducible SERS sensor based on natural lotus leaf for paraquat detection. <i>Microchemical Journal</i> , 2021 , 160, 105728	4.8	6
79	Towards a point-of-care SERS sensor for biomedical and agri-food analysis applications: a review of recent advancements. <i>Nanoscale</i> , 2021 , 13, 553-580	7.7	40
78	Bio-inspired self-cleaning carbon cloth based on flower-like Ag nanoparticles and leaf-like MOF: A high-performance and reusable substrate for SERS detection of azo dyes in soft drinks. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129080	8.5	14
77	Towards practical and sustainable SERS: a review of recent developments in the construction of multifunctional enhancing substrates. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 11517-11552	7.1	11
76	Application of SERS quantitative analysis method in food safety detection. <i>Reviews in Analytical Chemistry</i> , 2021 , 40, 173-186	2.3	6

75	Current Research on Silver Nanoparticles: Synthesis, Characterization, and Applications. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-23	3.2	43
74	Rapid detection of estrogen compounds using surface-enhanced Raman spectroscopy with a Zn/Au-Ag/Ag sandwich-structured substrate. <i>Optical Materials</i> , 2021 , 112, 110759	3.3	3
73	Improve optical properties by modifying Ag nanoparticles on a razor clam SERS substrate. <i>Optics Express</i> , 2021 , 29, 5152-5165	3.3	28
72	Advances in flexible surface-enhanced Raman scattering (SERS) substrates for nondestructive food detection: Fundamentals and recent applications. <i>Trends in Food Science and Technology</i> , 2021 , 109, 690-701	15.3	52
71	Enhancing the Activity of Silver Nanowire Membranes by Electrochemical Cyclic Voltammetry as Highly Sensitive Flexible SERS Substrate for On-Site Analysis. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
70	Surface-enhanced shifted excitation Raman difference spectroscopy for trace detection of fentanyl in beverages. <i>Applied Optics</i> , 2021 , 60, 2354-2361	1.7	5
69	Recent Advances in the Fabrication and Functionalization of Flexible Optical Biosensors: Toward Smart Life-Sciences Applications. <i>Biosensors</i> , 2021 , 11,	5.9	8
68	Vertically aligned nanostructures for a reliable and ultrasensitive SERS-active platform: Fabrication and engineering strategies. <i>Nano Today</i> , 2021 , 37, 101063	17.9	11
67	Fabrication of Ag modified SiO ₂ electrospun nanofibrous membranes as ultrasensitive and high stable SERS substrates for multiple analytes detection. <i>Colloids and Interface Science Communications</i> , 2021 , 42, 100428	5.4	9
66	One-step fabrication of metal nanoparticles on polymer film by femtosecond LIPAA method for SERS detection. <i>Talanta</i> , 2021 , 228, 122204	6.2	8
65	Facile One-Step Deposition of Ag Nanoparticles on SiO Electrospun Nanofiber Surfaces for Label-Free SERS Detection and Antibacterial Dressing.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 6549-6557	4.1	2
64	In Vivo Contaminant Monitoring and Metabolomic Profiling in Plants Exposed to Carbamates via a Novel Microextraction Fiber. <i>Environmental Science & Technology</i> , 2021 , 55, 12449-12458	10.3	10
63	Progress in sensory devices of pesticides, pathogens, coronavirus, and chemical additives and hazards in food assessment: Food safety concerns. <i>Progress in Materials Science</i> , 2021 , 124, 100866	42.2	14
62	Application of surface-enhanced Raman spectroscopy using silver and gold nanoparticles for the detection of pesticides in fruit and fruit juice. <i>Trends in Food Science and Technology</i> , 2021 , 116, 583-602	15.3	2
61	Reliable SERS detection of pesticides with a large-scale self-assembled Au@4-MBA@Ag nanoparticle array. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 263, 120218	4.4	5
60	A surface-imprinted surface-enhanced Raman scattering sensor for histamine detection based on dual semiconductors and Ag nanoparticles. <i>Food Chemistry</i> , 2022 , 369, 130971	8.5	7
59	A highly-efficient, stable, and flexible Kapton tape-based SERS chip. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6471-6475	7.8	2
58	Nanocellulose-silver ensembles for ultrasensitive SERS: An investigation on the role of nanocellulose fibers in the generation of high-density hotspots. <i>Applied Materials Today</i> , 2020 , 20, 100672	6.6	10

57	Surface-imprinted SiO ₂ @Ag nanoparticles for the selective detection of BPA using surface enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 566-573	8.5	43
56	Preparation of Ag@PDA@SiO ₂ electrospinning nanofibrous membranes for direct bacteria SERS detection and antimicrobial activities. <i>Materials Research Express</i> , 2020 , 7, 095012	1.7	9
55	Flexible Surface-Enhanced Raman Scattering Substrates: A Review on Constructions, Applications, and Challenges. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100982	4.6	2
54	Raman spectroscopic techniques for nondestructive analysis of agri-foods: A state-of-the-art review. <i>Trends in Food Science and Technology</i> , 2021 , 118, 490-504	15.3	6
53	Recent progress on three-dimensional substrates for surface-enhanced Raman spectroscopic analysis. <i>Microchemical Journal</i> , 2021 , 106908	4.8	3
52	Semi-sacrificial template growth-assisted self-supporting MOF chip: A versatile and high-performance SERS sensor for food contaminants monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021 , 352, 131025	8.5	7
51	PDMS/TiO ₂ /Ag hybrid substrate with intrinsic signal and clean surface for recyclable and quantitative SERS sensing. <i>Sensors and Actuators B: Chemical</i> , 2022 , 351, 130886	8.5	4
50	Surface-enhanced resonance Raman detection of 1,1-diamino-2,2-dinitroethylene (FOX-7) on metal-doped Au 12 and Ag 12 clusters. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 2425-2434	2.3	0
49	Electrically tunable SERS based on plasmonic gold nanorod-graphene/ion-gel hybrid structure with a low voltage. <i>Carbon</i> , 2022 , 187, 425-431	10.4	1
48	Stamp-like flexible SERS substrate for in-situ rapid detection of thiram residues in fruits and vegetables. <i>Food Chemistry</i> , 2021 , 131570	8.5	4
47	Selectively Tracking Nanoparticles in Aquatic Plant Using Core-Shell Nanoparticle-Enhanced Raman Spectroscopy Imaging. <i>ACS Nano</i> , 2021 ,	16.7	2
46	Optimum synthesis of cactus-inspired SERS substrate with high roughness for paraquat detection.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 268, 120703	4.4	0
45	Handheld SERS coupled with QuEChERS for the sensitive analysis of multiple pesticides in basmati rice.. <i>Npj Science of Food</i> , 2022 , 6, 3	6.3	2
44	Highly sensitive and selective detection of butachlor based on the resonance light scattering of doped carbon quantum dots.. <i>Analytical Methods</i> , 2022 ,	3.2	1
43	AAO Template-Assisted Fabrication of Ordered Ag Nanoparticles-Decorated Au Nanotubes Array for Surface-Enhanced Raman Scattering Detection. <i>Sustainability</i> , 2022 , 14, 1305	3.6	0
42	Di-(2-picolyl)amine functionalized tetraphenylethylene as multifunctional chemosensor.. <i>Analytica Chimica Acta</i> , 2022 , 1196, 339543	6.6	0
41	State of the art in flexible SERS sensors toward label-free and onsite detection: from design to applications. <i>Nano Research</i> , 1	10	5
40	Dual-functional ultrathin wearable 3D particle-in-cavity SF-AAO-Au SERS sensors for effective sweat glucose and lab-on-glove pesticide detection. <i>Sensors and Actuators B: Chemical</i> , 2022 , 359, 131512	8.5	5

39	Highly sensitive SERS substrates with multi-hot spots for on-site detection of pesticide residues.. <i>Food Chemistry</i> , 2022 , 381, 132208	8.5	2
38	A Novel 3D Hierarchical Plasmonic Functional Cu@CoO@Ag Array as Intelligent SERS Sensing Platform with Trace Droplet Rapid Detection Ability for Pesticide Residue Detection on Fruits and Vegetables.. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
37	Ultrasensitive SERS Analysis of Liquid and Gaseous Putrescine and Cadaverine by a 3D-Rosettelike Nanostructure-Decorated Flexible Porous Substrate.. <i>Analytical Chemistry</i> , 2022 ,	7.8	1
36	Progress and challenges in sensing of mycotoxins using molecularly imprinted polymers.. <i>Environmental Pollution</i> , 2022 , 119218	9.3	2
35	Reproducible Flexible SERS Substrates Inspired by Bionic Micro-Nano Hierarchical Structures of Rose Petals. <i>Advanced Materials Interfaces</i> , 2102468	4.6	4
34	Abnormally Weak Surface-Enhanced Raman Scattering Activity of Tip-Rich Au Nanostars: The Role of Interfacial Defects.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2428-2433	6.4	0
33	A Novel SERS Substrate Based on Discarded Oyster Shells for Rapid Detection of Organophosphorus Pesticide. <i>Coatings</i> , 2022 , 12, 506	2.9	1
32	Wafer-Scale Fabrication and Transfer of Porous Silicon Films as Flexible Nanomaterials for Sensing Application.. <i>Nanomaterials</i> , 2022 , 12,	5.4	0
31	Deep Learning-Based Spectral Extraction for Improving the Performance of Surface-Enhanced Raman Spectroscopy Analysis on Multiplexed Identification and Quantitation.. <i>Journal of Physical Chemistry A</i> , 2022 ,	2.8	0
30	Photoactive Control of Surface-Enhanced Raman Scattering with Reduced Graphene Oxide in Gas Atmosphere.. <i>ACS Nano</i> , 2021 ,	16.7	0
29	Surface-Enhanced Raman Spectroscopy Substrates for Food Safety and Quality Analysis.. <i>Journal of Agricultural and Food Chemistry</i> , 2022 ,	5.7	3
28	Hybridizing Silver Nanoparticles in Hydrogel for High-Performance Flexible SERS Chips. <i>ACS Applied Materials & Interfaces</i> ,	9.5	4
27	An anti-scratch flexible SERS substrate for pesticide residue detection on the surface of fruits and vegetables. <i>Nanotechnology</i> , 2022 , 33, 405501	3.4	
26	Bismuth based novel substrate for surface enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 280, 121576	4.4	1
25	Effective adsorption and in-situ SERS detection of multi-target pesticides on fruits and vegetables using bead-string like Ag NWs@ZIF-8 core-shell nanochains. <i>Food Chemistry</i> , 2022 , 395, 133623	8.5	2
24	A review: Research progress of SERS-based sensors for agricultural applications. 2022 , 128, 90-101		2
23	Sensitive and handy detection of pesticide residue on fruit surface based on single microsphere surface-enhanced Raman spectroscopy technique. 2022 , 628, 116-128		0
22	Optimization of surface enhanced Raman scattering performance based on Ag nanoparticle-modified vanadium-titanium nanorods with tunable nanogaps. 2022 , 30, 38613		0

21	Rapid Immobilization of Silver Nanoparticles via Amino-quinone Coatings Enables Surface-Enhanced Raman Scattering Detection.	0
20	Direct current magnetic field: An optional strategy for reducing pyrophosphate in gelatinous meat products. 2022 , 169, 114018	0
19	Rapid Fabrication of Large-area and Uniform SERS substrate of Au Nano-hemisphere Array and its Application in detection of Malachite Green in Tilapia.	0
18	Study on the Performance of Ag-Cu Bimetal SERS Substrate. 2022 , 12, 1457	0
17	Recent Advances in Rapid Detection Techniques for Pesticide Residue: A Review. 2022 , 70, 13093-13117	4
16	3D Flexible SERS Substrates Integrated with a Portable Raman Analyzer and Wireless Communication for Point-of-Care Application.	1
15	Anisotropic Nanoparticle Arrays Guided by Ordered Nanowire Films Enhance Surface-Enhanced Raman Scattering. 2201682	0
14	Au Nanoparticle-Based Surface-Enhanced Raman Spectroscopy Aptasensors for Paraquat Herbicide Detection.	0
13	Chemical sensing of pesticides in water. 2023 , 647-668	0
12	Nondestructive testing methods for pesticide residue in food commodities: A review.	2
11	Novel Microneedle Patch-Based Surface-Enhanced Raman Spectroscopy Sensor for the Detection of Pesticide Residues. 2023 , 15, 4873-4882	0
10	Vertically aligned Ag-decorated MoS ₂ nanosheets supported on polyvinyl alcohol flexible substrate enable high-sensitivity and self-cleaning SERS devices. 2023 , 11, 109437	0
9	High-Performance Hydrogel SERS Chips with Tunable Localized Surface Plasmon Resonance for Coordinated Electromagnetic Enhancement with Chemical Enhancement. 2023 , 11,	0
8	Multiplex Surface-Enhanced Raman Scattering: An Emerging Tool for Multicomponent Detection of Food Contaminants. 2023 , 13, 296	0
7	Stable and Reusable Lace-like Black Silicon Nanostructures Coated with Nanometer-Thick Gold Films for SERS-Based Sensing. 2023 , 6, 4770-4781	0
6	Fabrication of a metal organic framework (MOF)-modified Au nanoparticle array for sensitive and stable SERS sensing of paraquat in cereals. 2023 , 88, 1769-1780	0
5	Rapid detection of residual chlorpyrifos and pyrimethanil on fruit surface by surface- enhanced Raman spectroscopy integrated with deep learning approach.	0
4	Visual/quantitative SERS biosensing chip based on Au-decorated polystyrene sphere microcavity arrays. 2023 , 133869	0

- 3 A review on current progress of Raman-based techniques in food safety: From normal Raman spectroscopy to SESORS. **2023**, 169, 112944 ○
- 2 Recent development of surface-enhanced Raman scattering for biosensing. **2023**, 21, ○
- 1 Ag NPs@PDMS nanoripple array films as SERS substrates for rapid in situ detection of pesticide residues. **2023**, 299, 122877 ○