

Liang Lv

List of Publications by Year in descending order

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59
papers

2,108
citations

218677

26
h-index

233421

45
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59
all docs

59
docs citations

59
times ranked

3159
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors influencing the removal of fluoride from aqueous solution by calcined Mg-Al-CO ₃ layered double hydroxides. <i>Journal of Hazardous Materials</i> , 2006, 133, 119-128.	12.4	240
2	Uptake of chloride ion from aqueous solution by calcined layered double hydroxides: Equilibrium and kinetic studies. <i>Water Research</i> , 2006, 40, 735-743.	11.3	210
3	Alkyne-Modulated Surface-Enhanced Raman Scattering-Palette for Optical Interference-Free and Multiplex Cellular Imaging. <i>Analytical Chemistry</i> , 2016, 88, 6115-6119.	6.5	100
4	Splicing Nanoparticles-Based "Click" SERS Could Aid Multiplex Liquid Biopsy and Accurate Cellular Imaging. <i>Journal of the American Chemical Society</i> , 2018, 140, 10649-10652.	13.7	90
5	Triplex Au-Ag-C Core-Shell Nanoparticles as a Novel Raman Label. <i>Advanced Functional Materials</i> , 2010, 20, 969-975.	14.9	87
6	Accurate Clinical Diagnosis of Liver Cancer Based on Simultaneous Detection of Ternary Specific Antigens by Magnetic Induced Mixing Surface-Enhanced Raman Scattering Emissions. <i>Analytical Chemistry</i> , 2019, 91, 2955-2963.	6.5	85
7	Portable SERS-enabled Micropipettes for Microarea Sampling and Reliably Quantitative Detection of Surface Organic Residues. <i>Analytical Chemistry</i> , 2015, 87, 9217-9224.	6.5	83
8	A novel biosensor based on single-layer MoS ₂ nanosheets for detection of Ag ⁺ . <i>Talanta</i> , 2015, 132, 658-663.	5.5	81
9	Rapid and Reliable Detection of Alkaline Phosphatase by a Hot Spots Amplification Strategy Based on Well-Controlled Assembly on Single Nanoparticle. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29547-29553.	8.0	81
10	Functionalization of Graphene Sheets by Polyacetylene: Convenient Synthesis and Enhanced Emission. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 768-773.	2.2	54
11	Total Aqueous Synthesis of Au@Cu ₂ S Core-Shell Nanoparticles for In Vitro and In Vivo SERS/PA Imaging-Guided Photothermal Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801257.	7.6	53
12	Field and Pretreatment-Free Detection of Heavy-Metal Ions in Organic Polluted Water through an Alkyne-Coded SERS Test Kit. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27772-27778.	8.0	50
13	A simple and universal "turn-on" detection platform for proteases based on surface enhanced Raman scattering (SERS). <i>Biosensors and Bioelectronics</i> , 2015, 65, 375-381.	10.1	46
14	Combined Labelled and Label-free SERS Probes for Triplex Three-dimensional Cellular Imaging. <i>Scientific Reports</i> , 2016, 6, 19173.	3.3	46
15	Bio-Raman spectroscopy: a potential clinical analytical method assisting in disease diagnosis. <i>Analytical Methods</i> , 2011, 3, 1257.	2.7	45
16	Facile One-Pot Synthesis of Nanodot-Decorated Gold-Silver Alloy Nanoboxes for Single-Particle Surface-Enhanced Raman Scattering Activity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32526-32535.	8.0	45
17	Monodispersed plasmonic Prussian blue nanoparticles for zero-background SERS/MRI-guided phototherapy. <i>Nanoscale</i> , 2020, 12, 3292-3301.	5.6	45
18	A label-free SERS probe for highly sensitive detection of Hg ²⁺ based on functionalized Au@Ag nanoparticles. <i>Talanta</i> , 2017, 162, 374-379.	5.5	44

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19	Simultaneous enzymatic and SERS properties of bifunctional chitosan-modified popcorn-like Au-Ag nanoparticles for high sensitive detection of melamine in milk powder. <i>Talanta</i> , 2015, 140, 204-211.	5.5	41
20	Environmentally Safe Mercury(II) Ions Aided Zero-Background and Ultrasensitive SERS Detection of Dipicolinic Acid. <i>Analytical Chemistry</i> , 2017, 89, 10335-10342.	6.5	40
21	BACE1 (β -Secretase) Inhibitory Chromone Glycosides from <i>Aloe vera</i> and <i>Aloe nobilis</i> . <i>Planta Medica</i> , 2008, 74, 540-545.	1.3	37
22	Application of surface-enhanced Raman scattering in cell analysis. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1248-1254.	2.5	37
23	A sensitive sequential "on/off" SERS assay for heparin with wider detection window and higher reliability based on the reversed surface charge changes of functionalized Au@Ag nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 66, 55-61.	10.1	34
24	A background elimination method based on linear programming for Raman spectra. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1987-1993.	2.5	32
25	Rational synthesis of hollow cubic CuS@Spiky Au core-shell nanoparticles for enhanced photothermal and SERS effects. <i>Chemical Communications</i> , 2018, 54, 13399-13402.	4.1	32
26	Surface-enhanced Raman spectroscopy in living plant using triplex Au@Ag@C core-shell nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 879-884.	2.5	27
27	Photochemical Synthesis of Shape-Controlled Nanostructured Gold on Zinc Oxide Nanorods as Photocatalytically Renewable Sensors. <i>Analytical Chemistry</i> , 2016, 88, 3789-3795.	6.5	27
28	A highly sensitive SERS probe for bisphenol A detection based on functionalized Au@Ag nanoparticles. <i>Analytical Methods</i> , 2018, 10, 5622-5628.	2.7	26
29	Combined Surface-Enhanced Raman Scattering Emissions for High-Throughput Optical Labels on Micrometer-Scale Objects. <i>Analytical Chemistry</i> , 2019, 91, 13866-13873.	6.5	26
30	A "turn-off" SERS assay of heparin with high selectivity based on heparin-peptide complex and Raman labelled gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2014, 60, 124-129.	10.1	25
31	<i>In vivo</i> study on the protection of indole-3-carbinol (I3C) against the mouse acute alcoholic liver injury by micro-Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 550-555.	2.5	21
32	Core-shell Fructus Broussonetia-like Au@Ag@Pt nanoparticles as highly efficient peroxidase mimetics for supersensitive resonance-enhanced Raman sensing. <i>Analytical Methods</i> , 2016, 8, 2097-2105.	2.7	21
33	Elemental analysis-aided Raman spectroscopic studies on Chinese cloisonné wares and painted enamels from the Imperial Palace. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 165-170.	3.9	19
34	Preparation of molecularly imprinted fluorescence sensor based on carbon quantum dots via precipitation polymerization for fluorescence detection of tetracycline. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49126.	2.6	19
35	Precise Encoding of Triple-Bond Raman Scattering of Single Polymer Nanoparticles for Multiplexed Imaging Application. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21846-21852.	13.8	17
36	Raman scattering properties of human pterygium tissue. <i>Journal of Biomedical Optics</i> , 2005, 10, 024036.	2.6	16

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37	Reliable SERS detection of nitrite based on pH and laser irradiance-dependent diazotization through a convenient sampling micro-chamber. <i>Analyst, The</i> , 2016, 141, 5195-5201.	3.5	16
38	INHIBITâ€œInspired Twoâ€œOutput DNA Logic Gates Based on Surfaceâ€œEnhanced Raman Scattering. <i>Chemistry - A European Journal</i> , 2015, 21, 14301-14304.	3.3	11
39	Facile and controllable synthesis of triplex Au@Agâ€œPt@infinite coordination polymer coreâ€œshell nanoparticles for highly efficient immobilization of enzymes and enhanced electrochemical biosensing activity. <i>RSC Advances</i> , 2016, 6, 86025-86033.	3.6	11
40	Rational synthesis of Three-Layered plasmonic nanocomposites of copper Sulfide/Gold/Zinc-Doped Prussian blue analogues for improved photothermal disinfection and wound healing. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 621-633.	9.4	11
41	Inclusion of guest materials in aqueous coordination network shells spontaneously generated by reacting 2,5-dimercapto-1,3,4-thiadiazole with nanoscale metallic silver. <i>RSC Advances</i> , 2014, 4, 34294.	3.6	9
42	A one-tube multiplexed colorimetric strategy based on plasmonic nanoparticles combined with non-negative matrix factorization. <i>Talanta</i> , 2014, 128, 305-310.	5.5	8
43	A novel platform for detection of protooncogene based on Au nanocluster enhanced fluorescence. <i>Analytical Methods</i> , 2015, 7, 40-44.	2.7	8
44	MFALNet: A Multiscale Feature Aggregation Lightweight Network for Semantic Segmentation of High-Resolution Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 2172-2176.	3.1	8
45	â€œMixing-and-measuringâ€œ™ surface-enhanced Raman scattering (SERS) detection of <i>Bacillus cereus</i> for potentially aiding gold mine field exploration. <i>Talanta</i> , 2019, 204, 44-49.	5.5	7
46	An in vivo quantitative Raman-pH sensor of arterial blood based on laser trapping of erythrocytes. <i>Analyst, The</i> , 2016, 141, 3027-3032.	3.5	6
47	A novel surface-enhanced Raman scattering (SERS) detection for natural gas exploration using methane-oxidizing bacteria. <i>Talanta</i> , 2018, 184, 156-161.	5.5	6
48	The small silver nanoparticle-assisted homogeneous sensing of thiocyanate ions with an ultra-wide window based on surface-enhanced Raman-extinction spectroscopy. <i>Analytical Methods</i> , 2021, 13, 1049-1057.	2.7	5
49	Photoreduced Ag ⁺ surrounding single poly(4-cyanostyrene) nanoparticles for undifferentiated SERS sensing and killing of bacteria. <i>Talanta</i> , 2022, 245, 123450.	5.5	5
50	A tipâ€œgap mesh-like bilayer SERS substrate for highly sensitive detection. <i>Analytical Methods</i> , 2018, 10, 2251-2256.	2.7	4
51	Three new antioxidant<i>C</i>-glucosylanthrones from<i>Aloe nobilis</i>. <i>Journal of Asian Natural Products Research</i> , 2010, 12, 443-447.	1.4	2
52	Î²-Carotene doped silicananoparticles as a novel resonance Raman scattering tag for in vivo cellular imaging. <i>Journal of Materials Chemistry</i> , 2012, 22, 631-635.	6.7	2
53	Simultaneous fluorescence detection of mercury (II) and silver ions based on rhodamine B isothiocyanate and 5-carboxyfluorescein-ssDNA modified probe. <i>Wuhan University Journal of Natural Sciences</i> , 2016, 21, 499-504.	0.4	2
54	Surface-enhanced Raman scattering nanotags design and synthesis. , 2022, , 171-223.		2

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55	Raman inks based on triple-bond-containing polymeric nanoparticles for security. <i>Nanoscale</i> , 2022, 14, 7864-7871.	5.6	2
56	Study of Cloisonné enamel glaze of decorative components from Fuwangge in the Forbidden City by means of LA-ICP-MS and micro-Raman Spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 2017, 1656, 187-198.	0.1	1
57	In vivo Molecular Imaging of Plant Tissues Using a Novel Carbon Encapsulated SERS Tags. , 2010, , .		0
58	A Novel Early Diagnosis Method of Alzheimer's Disease: Raman Studies of Platelet from Tg2576 Mice. , 2010, , .		0
59	Study on the Resonance Raman Scattering Properties of β -carotene Incorporated in SBA-15. , 2010, , .		0