

Chunyuan Song

List of Publications by Year in descending order

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67
papers

2,283
citations

172207

29
h-index

223531

46
g-index

68
all docs

68
docs citations

68
times ranked

3069
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating SERS Hot Spots on MoS ₂ Nanosheets with in Situ Grown Gold Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 18735-18741.	4.0	217
2	Design of highly efficient deep-blue organic afterglow through guest sensitization and matrices rigidification. Nature Communications, 2020, 11, 4802.	5.8	148
3	Highly sensitive immunoassay based on Raman reporter-labeled immuno-Au aggregates and SERS-active immune substrate. Biosensors and Bioelectronics, 2009, 25, 826-831.	5.3	136
4	Ultrasensitive silver nanorods array SERS sensor for mercury ions. Biosensors and Bioelectronics, 2017, 87, 59-65.	5.3	104
5	An ultrasensitive SERS sensor for simultaneous detection of multiple cancer-related miRNAs. Nanoscale, 2016, 8, 17365-17373.	2.8	98
6	Gold nanostars for cancer cell-targeted SERS-imaging and NIR light-triggered plasmonic photothermal therapy (PPTT) in the first and second biological windows. Journal of Materials Chemistry B, 2019, 7, 2001-2008.	2.9	82
7	Distinguishing breast cancer cells using surface-enhanced Raman scattering. Analytical and Bioanalytical Chemistry, 2012, 402, 1093-1100.	1.9	77
8	Colorimetric/SERS dual-mode detection of mercury ion via SERS-Active peroxidase-like Au@AgPt NPs. Sensors and Actuators B: Chemical, 2020, 310, 127849.	4.0	68
9	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2021, 60, 11695-11701.	7.2	62
10	Polyvinylpyrrolidone- (PVP-) coated silver aggregates for high performance surface-enhanced Raman scattering in living cells. Nanotechnology, 2009, 20, 445102.	1.3	61
11	Facile synthesis of hydrangea flower-like hierarchical gold nanostructures with tunable surface topographies for single-particle surface-enhanced Raman scattering. Nanoscale, 2015, 7, 17004-17011.	2.8	61
12	Gold-modified silver nanorod arrays: growth dynamics and improved SERS properties. Journal of Materials Chemistry, 2012, 22, 1150-1159.	6.7	46
13	Combination assay of lung cancer associated serum markers using surface-enhanced Raman spectroscopy. Journal of Materials Chemistry B, 2016, 4, 1811-1817.	2.9	45
14	The effect of porous structure of PMMA tunneling dielectric layer on the performance of nonvolatile floating-gate organic field-effect transistor memory devices. Organic Electronics, 2016, 33, 95-101.	1.4	44
15	SPR/SERS dual-mode plasmonic biosensor via catalytic hairpin assembly-induced AuNP network. Biosensors and Bioelectronics, 2021, 190, 113376.	5.3	42
16	High-Sensitive Assay of Nucleic Acid Using Tetrahedral DNA Probes and DNA Concatamers with a Surface-Enhanced Raman Scattering/Surface Plasmon Resonance Dual-Mode Biosensor Based on a Silver Nanorod-Covered Silver Nanohole Array. ACS Applied Materials & Interfaces, 2020, 12, 31242-31254.	4.0	40
17	SERS-based mercury ion detections: principles, strategies and recent advances. Science China Chemistry, 2016, 59, 16-29.	4.2	39
18	One-step functionalized gold nanorods as intracellular probe with improved SERS performance and reduced cytotoxicity. Biosensors and Bioelectronics, 2010, 26, 241-247.	5.3	38

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19	Synthesis of Novel Gold Mesoflowers as SERS Tags for Immunoassay with Improved Sensitivity. ACS Applied Materials & Interfaces, 2014, 6, 21842-21850.	4.0	36
20	DNA-Origami-Based Assembly of Anisotropic Plasmonic Gold Nanostructures. Small, 2017, 13, 1603991.	5.2	35
21	Synthesis of magnetic core-branched Au shell nanostructures and their application in cancer-related miRNA detection via SERS. Science China Materials, 2017, 60, 1129-1144.	3.5	35
22	Ultrasensitive SERS detection of nucleic acids via simultaneous amplification of target-triggered enzyme-free recycling and multiple-reporter. Biosensors and Bioelectronics, 2019, 141, 111402.	5.3	34
23	Gold nanoflowers with tunable sheet-like petals: facile synthesis, SERS performances and cell imaging. Journal of Materials Chemistry B, 2016, 4, 7112-7118.	2.9	33
24	Ag-SiO ₂ Core-Shell Nanorod Arrays: Morphological, Optical, SERS, and Wetting Properties. Langmuir, 2012, 28, 1488-1495.	1.6	32
25	Plasmonic Heterodimers with Binding Site-Dependent Hot Spot for Surface-Enhanced Raman Scattering. Small, 2018, 14, e1800669.	5.2	32
26	Single-Step Organization of Plasmonic Gold Metamaterials with Self-Assembled DNA Nanostructures. Research, 2019, 2019, 7403580.	2.8	32
27	Ultrasensitive detection of carcino-embryonic antigen by using novel flower-like gold nanoparticle SERS tags and SERS-active magnetic nanoparticles. RSC Advances, 2014, 4, 41666-41669.	1.7	31
28	DNA walker-powered ratiometric SERS cytosensor of circulating tumor cells with single-cell sensitivity. Biosensors and Bioelectronics, 2022, 213, 114442.	5.3	31
29	A gold nanoflower-based traceable drug delivery system for intracellular SERS imaging-guided targeted chemo-phototherapy. Journal of Materials Chemistry B, 2018, 6, 3030-3039.	2.9	30
30	Programming Surface-Enhanced Raman Scattering of DNA Origami-templated Metamolecules. Nano Letters, 2020, 20, 3155-3159.	4.5	30
31	Tracking Multiplex Drugs and Their Dynamics in Living Cells Using the Label-Free Surface-Enhanced Raman Scattering Technique. Molecular Pharmaceutics, 2012, 9, 842-849.	2.3	29
32	Sensing gastric cancer exosomes with MoS ₂ -based SERS aptasensor. Biosensors and Bioelectronics, 2022, 215, 114553.	5.3	29
33	Gold-modified silver nanorod arrays for SERS-based immunoassays with improved sensitivity. Journal of Materials Chemistry B, 2014, 2, 7488-7494.	2.9	27
34	A straightforward route to the synthesis of a surface-enhanced Raman scattering probe for targeting transferrin receptor-overexpressed cells. Nanotechnology, 2010, 21, 345101.	1.3	24
35	SERS/electrochemical dual-mode biosensor based on multi-functionalized molybdenum disulfide nanosheet probes and SERS-active Ag nanorods array electrodes for reliable detection of cancer-related miRNA. Sensors and Actuators B: Chemical, 2022, 368, 132245.	4.0	24
36	Tailoring terahertz plasmons with silver nanorod arrays. Scientific Reports, 2013, 3, .	1.6	23

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37	Highly sensitive SERS assay of DENV gene via a cascade signal amplification strategy of localized catalytic hairpin assembly and hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128970.	4.0	21
38	Strong Fano Resonance Excited in an Array of Nanoparticle-in-Ring Nanostructures for Dual Plasmonic Sensor Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20935-20944.	1.5	20
39	Dipole Radiation-Induced Extraordinary Optical Transmission for Silver Nanorod-Covered Silver Nanohole Arrays. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5634-5641.	1.5	19
40	The exploration of quantum dot-molecular beacon based MoS ₂ fluorescence probing for myeloma-related Mirnas detection. <i>Bioactive Materials</i> , 2022, 17, 360-368.	8.6	19
41	Silver-mediated temperature-controlled selective deposition of Pt on hexoctahedral Au nanoparticles and the high performance of Au@AgPt NPs in catalysis and SERS. <i>Nanoscale</i> , 2019, 11, 18881-18893.	2.8	18
42	Non-enzymatic signal amplification-powered point-of-care SERS sensor for rapid and ultra-sensitive assay of SARS-CoV-2 RNA. <i>Biosensors and Bioelectronics</i> , 2022, 212, 114379.	5.3	18
43	Surface-Enhanced Fluorescence from Fluorophore-Assembled Monolayers by Using Ag@SiO ₂ Nanoparticles. <i>ChemPhysChem</i> , 2011, 12, 992-998.	1.0	16
44	Multi-armed tetrahedral DNA probes for visualizing the whole-course of cell apoptosis by simultaneously fluorescence imaging intracellular cytochrome c and telomerase. <i>Biosensors and Bioelectronics</i> , 2022, 205, 114059.	5.3	16
45	èŠå...%å...%è°±ăŽèj~é¢âĉžâ¼°æ%æ¼æ•Ēâ°,,å...%è°±ç”ç©¶. <i>Chinese Optics Letters</i> , 2009, 7, 894.	1.3	15
46	Preparation of 2-mercaptobenzothiazole-labeled immuno-Au aggregates for SERS-based immunoassay. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 285-288.	2.5	15
47	Immunoassays Based on Surface-Enhanced Fluorescence using Gap-Plasmon-Tunable Ag Bilayer Nanoparticle Films. <i>Journal of Fluorescence</i> , 2013, 23, 71-77.	1.3	15
48	Anisotropic resistivity of tilted silver nanorod arrays: Experiments and modeling. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	15
49	A dual signal amplification strategy for the highly sensitive fluorescence detection of nucleic acids. <i>Analyst</i> , 2020, 145, 1219-1226.	1.7	13
50	DNA self-assembled Au nanoparticle clusters on silver nanorod arrays for high-sensitive and multiplex detection of cancer-related biomarkers. <i>Nanoscale</i> , 2022, 14, 4538-4547.	2.8	13
51	Intracellular miRNA-Triggered Surface-Enhanced Raman Scattering Imaging and Dual Gene-Silencing Therapy of Cancer Cell. <i>Analytical Chemistry</i> , 2022, 94, 9336-9344.	3.2	13
52	Effects of solid substrate on the SERS-based immunoassay: a comparative study. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 313-318.	1.2	11
53	Ultrasensitive SERS determination of avian influenza A H7N9 virus via exonuclease III-assisted cycling amplification. <i>Talanta</i> , 2019, 205, 120137.	2.9	11
54	Double-Tetrahedral DNA Probe Functionalized Ag Nanorod Biointerface for Effective Capture, Highly Sensitive Detection, and Nondestructive Release of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32869-32879.	4.0	10

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55	A Straightforward Immunoassay Applicable to a Wide Range of Antibodies Based on Surface Enhanced Fluorescence. <i>Journal of Fluorescence</i> , 2013, 23, 551-559.	1.3	9
56	Copper oxide-modified graphene anode and its application in organic photovoltaic cells. <i>Optics Express</i> , 2018, 26, A769.	1.7	9
57	Direct synthesis of Au@Ag nanoframes by galvanic replacement via a continuous concaving process. <i>Nanoscale</i> , 2022, 14, 8825-8832.	2.8	9
58	The use of a handheld Raman system for virus detection. <i>Proceedings of SPIE</i> , 2012, , .	0.8	6
59	In situ growth of monolayer porous gold nanoparticles film as high-performance SERS substrates. <i>Materials Research Express</i> , 2016, 3, 075013.	0.8	4
60	Tagged molecule induced nanoparticle aggregation: Raman reporter-labeled immuno-Au aggregate as immuno-sensor. <i>Chinese Optics Letters</i> , 2010, 8, 309-312.	1.3	3
61	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. <i>Angewandte Chemie</i> , 2021, 133, 11801-11807.	1.6	3
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63	A target-mediated fuel-initiated molecular machine for high-sensitive fluorescence assay of the ZIKV gene via strand displacement reaction-based signal recovery and cycling amplification. <i>Analyst</i> , The, 2020, 145, 5475-5481.	1.7	2
64	Silicon acid batteries enabled by a copper catalysed electrochemo-mechanical process. <i>Energy and Environmental Science</i> , 2021, 14, 6672-6677.	15.6	2
65	SERS-BASED AQUEOUS IMMUNOASSAY REALIZED WITH SILICA NANOPARTICLES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2011, 20, 63-73.	1.1	0
66	Theoretical and Experimental Studies on Raman Spectroscopy of Cyclic Fluorene-Based Strained Semiconductors. <i>Acta Chimica Sinica</i> , 2019, 77, 442.	0.5	0
67	Scalable Synthesis of Hydroxyl-Functionalized Boron Nanosheets for High Ion-Conductive Solid-State Electrolyte Application. <i>Chemical Communications</i> , 2022, , .	2.2	0