

Nan Lu

List of Publications by Year in descending order

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759233

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#	ARTICLE	IF	CITATIONS
1	A flexible SALDI-MS substrate for no background interference detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130868.	7.8	3
2	High-density Si nanopillars modified with Ag nanoislands: Sensitive SALDI-MS chip for sulfonamides. <i>Sensors and Actuators B: Chemical</i> , 2022, 364, 131846.	7.8	2
3	Silver-nanoparticle-grafted silicon nanocones for reproducible Raman detection of trace contaminants in complex liquid environments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119447.	3.9	9
4	Au nanoparticles/ZnO nanorods as SALDI-MS substrate for on-plate enrichment and detection of glutathione in real samples. <i>Sensors and Actuators B: Chemical</i> , 2021, 335, 129709.	7.8	17
5	Carbon nanoparticles derived from carbon soot as a matrix for SALDI-MS analysis. <i>Mikrochimica Acta</i> , 2020, 187, 161.	5.0	14
6	Investigation of Surface Morphology on Ion Desorption in SALDI-MS on Tailored Silicon Nanopillar Arrays. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2450-2457.	3.1	21
7	Superhydrophobic Glass Substrates Coated with Fluorosilane-Coated Silica Nanoparticles and Silver Nanoparticles for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>ACS Applied Nano Materials</i> , 2019, 2, 3813-3818.	5.0	19
8	Confining analyte droplets on visible Si pillars for improving reproducibility and sensitivity of SALDI-TOF MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1135-1142.	3.7	9
9	Enhancing reproducibility of SALDI MS detection by concentrating analytes within laser spot. <i>Talanta</i> , 2018, 179, 583-587.	5.5	20
10	Droplet-Confined Electroless Deposition of Silver Nanoparticles on Ordered Superhydrophobic Structures for High Uniform SERS Measurements. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21548-21553.	8.0	25
11	Fabrication of plasmonic cavity arrays for SERS analysis. <i>Nanotechnology</i> , 2017, 28, 185301.	2.6	6
12	A silver nanoislands on silica spheres platform: enriching trace amounts of analytes for ultrasensitive and reproducible SERS detection. <i>Nanoscale</i> , 2017, 9, 16749-16754.	5.6	36
13	Fabrication of a resist pattern based on plasma-polystyrene interactions. <i>RSC Advances</i> , 2016, 6, 14948-14951.	3.6	8
14	Silver-coated elevated bowtie nanoantenna arrays: Improving the near-field enhancement of gap cavities for highly active surface-enhanced Raman scattering. <i>Nano Research</i> , 2015, 8, 3715-3724.	10.4	40
15	Biomimetic Antireflective Silicon Nanocones Array for Small Molecules Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 66-73.	2.8	32
16	Highly effective and reproducible surface-enhanced Raman scattering substrates based on Ag pyramidal arrays. <i>Nano Research</i> , 2013, 6, 159-166.	10.4	75
17	On-Plate Selective Enrichment and Self-Desalting of Peptides/Proteins for Direct MALDI MS Analysis. <i>Analytical Chemistry</i> , 2012, 84, 2118-2123.	6.5	26
18	Fabrication of Single Gold Particle Arrays with Pattern Directed Electrochemical Deposition. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3779-3783.	8.0	12