Nan Lu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3826665/publications.pdf

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18	374	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	559
all docs	docs citations	times ranked	citing authors

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