Christine Enjalbal

List of Publications by Year
in descending order

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33 papers	948 citations	471509 17 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	1284 citing authors

#	Article	IF	Citations
1	Matrix-Free Laser Desorption/Ionization Mass Spectrometry on Silicon Nanowire Arrays Prepared by Chemical Etching of Crystalline Silicon. Langmuir, 2010, 26, 1354-1361.	3.5	118
2	MoS2/reduced graphene oxide as active hybrid material for the electrochemical detection of folic acid in human serum. Biosensors and Bioelectronics, 2016, 85, 807-813.	10.1	113
3	Diamond nanowires for highly sensitive matrix-free mass spectrometry analysis of small molecules. Nanoscale, 2012, 4, 231-238.	5.6	75
4	High sensitive matrix-free mass spectrometry analysis of peptides using silicon nanowires-based digital microfluidic device. Lab on A Chip, 2011, 11, 1620.	6.0	74
5	Non-enzymatic glucose sensing on long and short diamond nanowire electrodes. Electrochemistry Communications, 2013, 34, 286-290.	4.7	60
6	Hydrothermal preparation of MoS2/TiO2/Si nanowires composite with enhanced photocatalytic performance under visible light. Materials and Design, 2016, 109, 634-643.	7.0	54
7	Investigation of Silicon-Based Nanostructure Morphology and Chemical Termination on Laser Desorption Ionization Mass Spectrometry Performance. Analytical Chemistry, 2012, 84, 10637-10644.	6.5	42
8	Surface-assisted laser desorptionâ€“ionization mass spectrometry on titanium dioxide (TiO2) nanotube layers. Analyst, The, 2012, 137, 3058.	3.5	41
9	Diamond Nanowires: A Novel Platform for Electrochemistry and Matrix-Free Mass Spectrometry. Sensors, 2015, 15, 12573-12593.	3.8	41
10	Electrophoretic Deposition of Carbon Nanofibers/Co(OH)₂ Nanocomposites: Application for Nonâ€Enzymatic Glucose Sensing. Electroanalysis, 2016, 28, 119-125.	2.9	34
11	Laser desorption ionization mass spectrometry of protein tryptic digests on nanostructured silicon plates. Journal of Proteomics, 2012, 75, 1973-1990.	2.4	32
12	Carbon nanowalls: a new versatile graphene based interface for the laser desorption/ionization-mass spectrometry detection of small compounds in real samples. Nanoscale, 2017, 9, 9701-9715.	5.6	32
13	Low impedance and highly transparent microelectrode arrays (MEA) for in vitro neuron electrical activity probing. Sensors and Actuators B: Chemical, 2021, 327, 128895.	7.8	27
14	MoS2/TiO2/SiNW surface as an effective substrate for LDI-MS detection of glucose and glutathione in real samples. Talanta, 2017, 171, 101-107.	5.5	24
15	Atmospheric pressure plasma spraying of silane-based coatings targeting whey protein fouling and bacterial adhesion management. Applied Surface Science, 2018, 455, 392-402.	6.1	24
16	Affinity surface-assisted laser desorption/ionization mass spectrometry for peptide enrichment. Analyst, The, 2012, 137, 5527.	3.5	23
17	Comparison of LID versus CID activation modes in tandem mass spectrometry of peptides. Journal of Mass Spectrometry, 2009, 44, 621-632.	1.6	20
18	Occurrence of C-Terminal Residue Exclusion in Peptide Fragmentation by ESI and MALDI Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2012, 23, 330-346.	2.8	16

#	Article	IF	Citations
19	Plasmon waveguide resonance for sensing glycanâ€“lectin interactions. Analytica Chimica Acta, 2015, 873, 71-79.	5.4	15
20	Direct Characterization of Native Chemical Ligation of Peptides on Silicon Nanowires. Langmuir, 2012, 28, 13336-13344.	3.5	10
21	Characterization of peptide attachment on silicon nanowires by X-ray photoelectron spectroscopy and mass spectrometry. Analyst, The, 2017, 142, 969-978.	3.5	10
22	Decoration of silicon nanostructures with copper particles for simultaneous selective capture and mass spectrometry detection of His-tagged model peptide. Analyst, The, 2014, 139, 5155-5163.	3.5	9
23	Light-Triggered Release of Biomolecules from Diamond Nanowire Electrodes. Langmuir, 2016, 32, 6515-6523.	3.5	9
24	Spatiotemporal control of DNA-based chemical reaction network via electrochemical activation in microfluidics. Scientific Reports, 2018, 8, 6396.	3.3	9
25	Fast and facile preparation of nanostructured silicon surfaces for laser desorption/ionization mass spectrometry of small compounds. Rapid Communications in Mass Spectrometry, 2019, 33, 66-74.	1.5	8
26	Laser desorption ionization mass spectrometry of peptides on a hybrid CHCA organicâ€“inorganic matrix. Analyst, The, 2014, 139, 3748-3754.	3.5	6
27	Comparison of Ti-Based Coatings on Silicon Nanowires for Phosphopeptide Enrichment and Their Laser Assisted Desorption/Ionization Mass Spectrometry Detection. Nanomaterials, 2017, 7, 272.	4.1	5
28	Influence of buried oxide layers of nanostructured SOI surfaces on matrix-free LDI-MS performances. Analyst, The, 2020, 145, 1328-1336.	3.5	4
29	Quantum chemical mass spectrometry: Ab initio study of b 2 â€ion formation mechanisms for the singly protonated Glnâ€Hisâ€Ser tripeptide. Rapid Communications in Mass Spectrometry, 2020, 34, e8778.	1.5	4
30	Combining combing and secondary ion mass spectrometry to study DNA on chips using 13C and 15N labeling. F1000Research, 2016, 5, 1437.	1.6	4
31	Preparation of nanowires on free-standing boron-doped diamond films for high performance micro-capacitors. Electrochimica Acta, 2022, 421, 140500.	5.2	3
32	Synthesis and Functional Coating of Nanostructured Silicon as an Effective Substrate for Laser Desorption/Ionization Mass Spectrometry. Journal of Nanoscience and Nanotechnology, 2016, 16, 7994-7998.	0.9	1
33	Surface modification of silicon nanowires for biosensing. , 2022, , 25-68.		1