

Christine Enjalbal

List of Publications by Year in descending order

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33
papers

948
citations

471509

17
h-index

434195

31
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33
all docs

33
docs citations

33
times ranked

1284
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Surface modification of silicon nanowires for biosensing. , 2022, , 25-68. | | 1 |
| 2 | Preparation of nanowires on free-standing boron-doped diamond films for high performance micro-capacitors. <i>Electrochimica Acta</i> , 2022, 421, 140500. | 5.2 | 3 |
| 3 | Low impedance and highly transparent microelectrode arrays (MEA) for in vitro neuron electrical activity probing. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128895. | 7.8 | 27 |
| 4 | Influence of buried oxide layers of nanostructured SOI surfaces on matrix-free LDI-MS performances. <i>Analyst, The</i> , 2020, 145, 1328-1336. | 3.5 | 4 |
| 5 | Quantum chemical mass spectrometry: Ab initio study of b 2 $\hat{\alpha}$ ion formation mechanisms for the singly protonated Gln $\hat{\alpha}$ His $\hat{\alpha}$ Ser tripeptide. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8778. | 1.5 | 4 |
| 6 | Fast and facile preparation of nanostructured silicon surfaces for laser desorption/ionization mass spectrometry of small compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 66-74. | 1.5 | 8 |
| 7 | Spatiotemporal control of DNA-based chemical reaction network via electrochemical activation in microfluidics. <i>Scientific Reports</i> , 2018, 8, 6396. | 3.3 | 9 |
| 8 | Atmospheric pressure plasma spraying of silane-based coatings targeting whey protein fouling and bacterial adhesion management. <i>Applied Surface Science</i> , 2018, 455, 392-402. | 6.1 | 24 |
| 9 | Characterization of peptide attachment on silicon nanowires by X-ray photoelectron spectroscopy and mass spectrometry. <i>Analyst, The</i> , 2017, 142, 969-978. | 3.5 | 10 |
| 10 | MoS ₂ /TiO ₂ /SiNW surface as an effective substrate for LDI-MS detection of glucose and glutathione in real samples. <i>Talanta</i> , 2017, 171, 101-107. | 5.5 | 24 |
| 11 | Carbon nanowalls: a new versatile graphene based interface for the laser desorption/ionization-mass spectrometry detection of small compounds in real samples. <i>Nanoscale</i> , 2017, 9, 9701-9715. | 5.6 | 32 |
| 12 | Comparison of Ti-Based Coatings on Silicon Nanowires for Phosphopeptide Enrichment and Their Laser Assisted Desorption/Ionization Mass Spectrometry Detection. <i>Nanomaterials</i> , 2017, 7, 272. | 4.1 | 5 |
| 13 | Synthesis and Functional Coating of Nanostructured Silicon as an Effective Substrate for Laser Desorption/Ionization Mass Spectrometry. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7994-7998. | 0.9 | 1 |
| 14 | Hydrothermal preparation of MoS ₂ /TiO ₂ /Si nanowires composite with enhanced photocatalytic performance under visible light. <i>Materials and Design</i> , 2016, 109, 634-643. | 7.0 | 54 |
| 15 | Light-Triggered Release of Biomolecules from Diamond Nanowire Electrodes. <i>Langmuir</i> , 2016, 32, 6515-6523. | 3.5 | 9 |
| 16 | MoS ₂ /reduced graphene oxide as active hybrid material for the electrochemical detection of folic acid in human serum. <i>Biosensors and Bioelectronics</i> , 2016, 85, 807-813. | 10.1 | 113 |
| 17 | Electrophoretic Deposition of Carbon Nanofibers/Co(OH) ₂ Nanocomposites: Application for Non $\hat{\alpha}$ Enzymatic Glucose Sensing. <i>Electroanalysis</i> , 2016, 28, 119-125. | 2.9 | 34 |
| 18 | Combining combing and secondary ion mass spectrometry to study DNA on chips using ¹³ C and ¹⁵ N labeling. <i>F1000Research</i> , 2016, 5, 1437. | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Diamond Nanowires: A Novel Platform for Electrochemistry and Matrix-Free Mass Spectrometry. <i>Sensors</i> , 2015, 15, 12573-12593. | 3.8 | 41 |
| 20 | Plasmon waveguide resonance for sensing glycan-lectin interactions. <i>Analytica Chimica Acta</i> , 2015, 873, 71-79. | 5.4 | 15 |
| 21 | Decoration of silicon nanostructures with copper particles for simultaneous selective capture and mass spectrometry detection of His-tagged model peptide. <i>Analyst, The</i> , 2014, 139, 5155-5163. | 3.5 | 9 |
| 22 | Laser desorption ionization mass spectrometry of peptides on a hybrid CHCA organic-inorganic matrix. <i>Analyst, The</i> , 2014, 139, 3748-3754. | 3.5 | 6 |
| 23 | Non-enzymatic glucose sensing on long and short diamond nanowire electrodes. <i>Electrochemistry Communications</i> , 2013, 34, 286-290. | 4.7 | 60 |
| 24 | Direct Characterization of Native Chemical Ligation of Peptides on Silicon Nanowires. <i>Langmuir</i> , 2012, 28, 13336-13344. | 3.5 | 10 |
| 25 | Laser desorption ionization mass spectrometry of protein tryptic digests on nanostructured silicon plates. <i>Journal of Proteomics</i> , 2012, 75, 1973-1990. | 2.4 | 32 |
| 26 | Diamond nanowires for highly sensitive matrix-free mass spectrometry analysis of small molecules. <i>Nanoscale</i> , 2012, 4, 231-238. | 5.6 | 75 |
| 27 | Investigation of Silicon-Based Nanostructure Morphology and Chemical Termination on Laser Desorption Ionization Mass Spectrometry Performance. <i>Analytical Chemistry</i> , 2012, 84, 10637-10644. | 6.5 | 42 |
| 28 | Affinity surface-assisted laser desorption/ionization mass spectrometry for peptide enrichment. <i>Analyst, The</i> , 2012, 137, 5527. | 3.5 | 23 |
| 29 | Surface-assisted laser desorption-ionization mass spectrometry on titanium dioxide (TiO ₂) nanotube layers. <i>Analyst, The</i> , 2012, 137, 3058. | 3.5 | 41 |
| 30 | Occurrence of C-Terminal Residue Exclusion in Peptide Fragmentation by ESI and MALDI Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 330-346. | 2.8 | 16 |
| 31 | High sensitive matrix-free mass spectrometry analysis of peptides using silicon nanowires-based digital microfluidic device. <i>Lab on A Chip</i> , 2011, 11, 1620. | 6.0 | 74 |
| 32 | Matrix-Free Laser Desorption/Ionization Mass Spectrometry on Silicon Nanowire Arrays Prepared by Chemical Etching of Crystalline Silicon. <i>Langmuir</i> , 2010, 26, 1354-1361. | 3.5 | 118 |
| 33 | Comparison of LID versus CID activation modes in tandem mass spectrometry of peptides. <i>Journal of Mass Spectrometry</i> , 2009, 44, 621-632. | 1.6 | 20 |