

Yuliya E Silina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7616764/publications.pdf>

Version: 2024-02-01

35
papers

513
citations

687363

13
h-index

713466

21
g-index

35
all docs

35
docs citations

35
times ranked

666
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured solid substrates for efficient laser desorption/ionization mass spectrometry (LDI-MS) of low molecular weight compounds. <i>Analyst, The</i> , 2013, 138, 7053.	3.5	73
2	Plant leaves as templates for soft lithography. <i>RSC Advances</i> , 2016, 6, 22469-22475.	3.6	42
3	Novel Galvanic Nanostructures of Ag and Pd for Efficient Laser Desorption/Ionization of Low Molecular Weight Compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 841-851.	2.8	38
4	Graphene oxide and its chemical nature: Multi-stage interactions between the oxygen and graphene. <i>Surfaces and Interfaces</i> , 2020, 21, 100763.	3.0	35
5	Influence of surface melting effects and availability of reagent ions on LDI-MS efficiency after UV laser irradiation of Pd nanostructures. <i>Journal of Mass Spectrometry</i> , 2015, 50, 578-585.	1.6	28
6	Automated Electrochemical Glucose Biosensor Platform as an Efficient Tool Toward On-Line Fermentation Monitoring: Novel Application Approaches and Insights. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 436.	4.1	23
7	Mechanistic modeling of cyclic voltammetry: A helpful tool for understanding biosensor principles and supporting design optimization. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 945-955.	7.8	22
8	Application of Organic-Inorganic Hybrids in Chemical Analysis, Bio- and Environmental Monitoring. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1458.	2.5	19
9	Towards one-step design of tailored enzymatic nanobiosensors. <i>Analyst, The</i> , 2020, 145, 1014-1024.	3.5	18
10	Sensors for biosensors: a novel tandem monitoring in a droplet towards efficient screening of robust design and optimal operating conditions. <i>Analyst, The</i> , 2019, 144, 2511-2522.	3.5	17
11	The role of physical and chemical properties of Pd nanostructured materials immobilized on inorganic carriers on ion formation in atmospheric pressure laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 468-480.	1.6	16
12	Analysis of fatty acids and triacylglycerides by Pd nanoparticle-assisted laser desorption/ionization mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 3701-3707.	2.7	14
13	Sorption of hydrophilic dyes on anodic aluminium oxide films and application to pH sensing. <i>Analyst, The</i> , 2015, 140, 771-778.	3.5	14
14	Penetration of CdSe/ZnS quantum dots into differentiated vs undifferentiated Caco-2 cells. <i>Journal of Nanobiotechnology</i> , 2016, 14, 70.	9.1	14
15	The Role of Nanoanalytics in the Development of Organic-Inorganic Nanohybrids – Seeing Nanomaterials as They Are. <i>Nanomaterials</i> , 2019, 9, 1673.	4.1	12
16	A novel copper (II) binding peptide for a colorimetric biosensor system design. <i>Talanta</i> , 2021, 232, 122439.	5.5	12
17	p-Coumaric acid, a novel and effective biomarker for quantifying hypoxic stress by HILIC-ESI-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1020, 6-13.	2.3	11
18	LDI-MS scanner: Laser desorption ionization mass spectrometry-based biosensor standardization. <i>Talanta</i> , 2021, 223, 121688.	5.5	11

#	ARTICLE	IF	CITATIONS
19	Use of a Complete Factorial Experiment for Designing a Gas Sensor Based on Extracts of Pleurotus ostreatus Mycelium Mushroom. <i>Journal of Analytical Chemistry</i> , 2005, 60, 678-683.	0.9	10
20	Exploring the potential of electroless and electroplated noble metal-semiconductor hybrids within bio- and environmental sensing. <i>Analyst, The</i> , 2018, 143, 5646-5669.	3.5	10
21	Interactions between DPPC as a component of lung surfactant and amorphous silica nanoparticles investigated by HILIC-ESI-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1029-1030, 222-229.	2.3	9
22	Nanoporous anodic aluminum oxide films for UV/vis detection of noble and non-noble metals. <i>Analytical Methods</i> , 2016, 8, 45-51.	2.7	8
23	A study of enhanced ion formation from metal-semiconductor complexes in atmospheric pressure laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2017, 52, 43-53.	1.6	8
24	Determination of trace amounts of hydrogen sulfide in a gas flow using a piezoelectric detector. <i>Journal of Analytical Chemistry</i> , 2007, 62, 781-787.	0.9	7
25	Impact of analyte ablation and surface acidity of Pd nanoparticles on efficiency of surface-assisted laser desorption/ionization-mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015, 387, 24-30.	1.5	6
26	Electrochemical operational principles and analytical performance of Pd-based amperometric nanobiosensors. <i>Analyst, The</i> , 2021, 146, 4873-4882.	3.5	6
27	Exploring the potential of high resolution inductively coupled plasma mass spectrometry towards non-destructive control and validation of electroless gold nanoparticles onto silicon nanowires hybrids. <i>Analytical Methods</i> , 2019, 11, 3987-3995.	2.7	5
28	Mechanistic aspects of functional layer formation in hybrid one-step designed GOx/Nafion/Pd-NPs nanobiosensors. <i>Analyst, The</i> , 2021, 146, 2172-2185.	3.5	5
29	One-Pot Synthesis of Copper Iodide-Polypyrrole Nanocomposites. <i>Chemosensors</i> , 2021, 9, 56.	3.6	4
30	The development of alginate-based amperometric nanoreactors for biochemical profiling of living yeast cells. <i>Bioelectrochemistry</i> , 2022, 145, 108082.	4.6	4
31	Storage and controlled release of fragrances maintaining a constant ratio of volatile compounds. <i>Analytical Methods</i> , 2017, 9, 6073-6082.	2.7	3
32	One-step encapsulation, storage and controlled release of low molecular weight organic compounds via electroplated nanoparticles. <i>Analyst, The</i> , 2019, 144, 5677-5681.	3.5	3
33	Toward Alginate-Based Membrane Technology for High Performance Recovery of Heavy Metals in Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 2558-2569.	4.6	3
34	Multi-dimensional hydroxyapatite microspheres as a filling material of minicolumns for effective removal at trace level of noble and non-noble metals from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1886-1897.	6.7	2
35	Exploring the Potential of Electroplated Chips towards Biomedical Sensing and Diagnostics. <i>Proceedings (mdpi)</i> , 2018, 2, 817.	0.2	1