Yuliya E Silina

List of Publications by Year
in descending order

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35	513	687363 13	713466 21
papers	citations	h-index	g-index

35	35	35	666
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The development of alginate-based amperometric nanoreactors for biochemical profiling of living yeast cells. Bioelectrochemistry, 2022, 145, 108082.	4.6	4
2	LDI-MS scanner: Laser desorption ionization mass spectrometry-based biosensor standardization. Talanta, 2021, 223, 121688.	5.5	11
3	Electrochemical operational principles and analytical performance of Pd-based amperometric nanobiosensors. Analyst, The, 2021, 146, 4873-4882.	3.5	6
4	Mechanistic aspects of functional layer formation in hybrid one-step designed GOx/Nafion/Pd-NPs nanobiosensors. Analyst, The, 2021, 146, 2172-2185.	3.5	5
5	Toward Alginate-Based Membrane Technology for High Performance Recovery of Heavy Metals in Cells. ACS Applied Bio Materials, 2021, 4, 2558-2569.	4.6	3
6	One-Pot Synthesis of Copper Iodide-Polypyrrole Nanocomposites. Chemosensors, 2021, 9, 56.	3.6	4
7	A novel copper (II) binding peptide for a colorimetric biosensor system design. Talanta, 2021, 232, 122439.	5.5	12
8	Towards one-step design of tailored enzymatic nanobiosensors. Analyst, The, 2020, 145, 1014-1024.	3.5	18
9	Graphene oxide and its chemical nature: Multi-stage interactions between the oxygen and graphene. Surfaces and Interfaces, 2020, 21, 100763.	3.0	35
10	Automated Electrochemical Glucose Biosensor Platform as an Efficient Tool Toward On-Line Fermentation Monitoring: Novel Application Approaches and Insights. Frontiers in Bioengineering and Biotechnology, 2020, 8, 436.	4.1	23
11	Application of Organic-Inorganic Hybrids in Chemical Analysis, Bio- and Environmental Monitoring. Applied Sciences (Switzerland), 2020, 10, 1458.	2.5	19
12	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. Analytical Methods, 2019, 11, 3987-3995.	2.7	5
13	One-step encapsulation, storage and controlled release of low molecular weight organic compounds via electroplated nanoparticles. Analyst, The, 2019, 144, 5677-5681.	3.5	3
14	Sensors for biosensors: a novel tandem monitoring in a droplet towards efficient screening of robust design and optimal operating conditions. Analyst, The, 2019, 144, 2511-2522.	3.5	17
15	The Role of Nanoanalytics in the Development of Organic-Inorganic Nanohybridsâ€”Seeing Nanomaterials as They Are. Nanomaterials, 2019, 9, 1673.	4.1	12
16	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. Journal of Environmental Chemical Engineering, 2018, 6, 1886-1897.	6.7	2
17	Mechanistic modeling of cyclic voltammetry: A helpful tool for understanding biosensor principles and supporting design optimization. Sensors and Actuators B: Chemical, 2018, 259, 945-955.	7.8	22
18	Exploring the Potential of Electroplated Chips towards Biomedical Sensing and Diagnostics. Proceedings (mdpi), 2018, 2, 817.	0.2	1

#	Article	IF	Citations
19	Exploring the potential of electroless and electroplated noble metalâ€“semiconductor hybrids within bio- and environmental sensing. Analyst, The, 2018, 143, 5646-5669.	3.5	10
20	A study of enhanced ion formation from metalâ€semiconductor complexes in atmospheric pressure laser desorption/ionization mass spectrometry. Journal of Mass Spectrometry, 2017, 52, 43-53.	1.6	8
21	Storage and controlled release of fragrances maintaining a constant ratio of volatile compounds. Analytical Methods, 2017, 9, 6073-6082.	2.7	3
22	Penetration of CdSe/ZnS quantum dots into differentiated vs undifferentiated Caco-2 cells. Journal of Nanobiotechnology, 2016, 14, 70.	9.1	14
23	Interactions between DPPC as a component of lung surfactant and amorphous silica nanoparticles investigated by HILIC-ESIâ€“MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1029-1030, 222-229.	2.3	9
24	Nanoporous anodic aluminum oxide films for UV/vis detection of noble and non-noble metals. Analytical Methods, 2016, 8, 45-51.	2.7	8
25	p-Coumaric acid, a novel and effective biomarker for quantifying hypoxic stress by HILIC-ESI-MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1020, 6-13.	2.3	11
26	Plant leaves as templates for soft lithography. RSC Advances, 2016, 6, 22469-22475.	3.6	42
27	Influence of surface melting effects and availability of reagent ions on LDI-MS efficiency after UV laser irradiation of Pd nanostructures. Journal of Mass Spectrometry, 2015, 50, 578-585.	1.6	28
28	Impact of analyte ablation and surface acidity of Pd nanoparticles on efficiency of surface-assisted laser desorption/ionization-mass spectrometry. International Journal of Mass Spectrometry, 2015, 387, 24-30.	1.5	6
29	Analysis of fatty acids and triacylglycerides by Pd nanoparticle-assisted laser desorption/ionization mass spectrometry. Analytical Methods, 2015, 7, 3701-3707.	2.7	14
30	Sorption of hydrophilic dyes on anodic aluminium oxide films and application to pH sensing. Analyst, The, 2015, 140, 771-778.	3.5	14
31	Novel Galvanic Nanostructures of Ag and Pd for Efficient Laser Desorption/Ionization of Low Molecular Weight Compounds. Journal of the American Society for Mass Spectrometry, 2014, 25, 841-851.	2.8	38
32	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. Journal of Mass Spectrometry, 2014, 49, 468-480.	1.6	16
33	Nanostructured solid substrates for efficient laser desorption/ionization mass spectrometry (LDI-MS) of low molecular weight compounds. Analyst, The, 2013, 138, 7053.	3.5	73
34	Determination of trace amounts of hydrogen sulfide in a gas flow using a piezoelectric detector. Journal of Analytical Chemistry, 2007, 62, 781-787.	0.9	7
35	Use of a Complete Factorial Experiment for Designing a Gas Sensor Based on Extracts of Pleurotus ostreatus Mycelium Mushroom. Journal of Analytical Chemistry, 2005, 60, 678-683.	0.9	10