

Maria Gorbunova

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

278
citations

933447
10
h-index

888059
17
g-index

20
all docs

20
docs citations

20
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of household color-recording devices in quantitative chemical analysis. <i>Journal of Analytical Chemistry</i> , 2017, 72, 1127-1137.	0.9	47
2	Dispersive Liquid–Liquid Microextraction of Organic Compounds: An Overview of Reviews. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1237-1251.	0.9	38
3	Label-free gold nanoparticles for the determination of neomycin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 416-420.	3.9	29
4	Homogeneous Liquid–Liquid Microextraction of Organic Compounds. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1371-1383.	0.9	28
5	Towards the development of solid-state platform optical sensors: aggregation of gold nanoparticles on polyurethane foam. <i>Talanta</i> , 2016, 161, 780-788.	5.5	21
6	Gold nanorods and their nanocomposites: Synthesis and recent applications in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115974.	11.4	21
7	Formation of core-shell Au@Ag nanorods induced by catecholamines: A comparative study and an analytical application. <i>Analytica Chimica Acta</i> , 2016, 936, 185-194.	5.4	20
8	Gold and Silver Nanoparticles in Optical Molecular Absorption Spectroscopy. <i>Journal of Analytical Chemistry</i> , 2019, 74, 21-32.	0.9	15
9	Spectroscopic methods for determination of catecholamines: A mini-review. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 631-652.	6.7	12
10	Composable paper-based analytical devices for determination of flavonoids. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129398.	7.8	12
11	Liquid–Liquid Extraction of Organic Compounds into a Single Drop of the Extractant: Overview of Reviews. <i>Journal of Analytical Chemistry</i> , 2021, 76, 907-919.	0.9	10
12	Sorption of gold nanorods on polyurethane foam as a way to obtain a nanocomposite material with a surface plasmon resonance for chemical analysis purposes. <i>Nanotechnologies in Russia</i> , 2017, 12, 185-192.	0.7	7
13	A new nanocomposite optical sensor based on polyurethane foam and gold nanorods for solid-phase spectroscopic determination of catecholamines. <i>Gold Bulletin</i> , 2019, 52, 115-124.	2.4	7
14	Analytical Response of Sensor Arrays Based on Photonic Crystals: Measurements of Diffuse Reflectance. <i>Journal of Analytical Chemistry</i> , 2019, 74, 198-204.	0.9	4
15	Preconcentration of Catecholamins on Hypercrosslinked Polystyrene and Their Determination by High-Performance Liquid Chromatography. <i>Journal of Analytical Chemistry</i> , 2019, 74, 1057-1063.	0.9	3
16	A Monitor Calibrator as a Portable Tool for Determination of Luminescent Compounds. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10.	4.7	2
17	Gold nanorods and a nanocomposite material based on them: analytical possibilities for spectrophotometric determination of total catecholamines. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 525, 012012.	0.6	1
18	Application of gold nanoparticles in the methods of optical molecular absorption spectroscopy: main effecting factors. <i>Pure and Applied Chemistry</i> , 2020, 92, 1135-1145.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Gold nanorods and their nanocomposites based on polyurethane foam for determination of catecholamines in biological fluids. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012023.	0.6	0
20	Non-invasive in vivo spectroscopy using a monitor calibrator: A case of planarian feeding and digestion statuses. Microchemical Journal, 2021, 166, 106255.	4.5	0