

# Natalia A Burmistrova

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

301  
citations

1039880

9  
h-index

887953

17  
g-index

32  
all docs

32  
docs citations

32  
times ranked

373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical sensors for determination of biogenic amines in food. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4023-4036.	1.9	60
2	Application of a new anti-zearalenone monoclonal antibody in different immunoassay formats. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1301-1307.	1.9	57
3	An immunochemical test for rapid screening of zearalenone and T-2 toxin. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 55-62.	1.9	31
4	Microstructured optical fiber-based luminescent biosensing: Is there any light at the end of the tunnel? - A review. <i>Analytica Chimica Acta</i> , 2018, 1019, 14-24.	2.6	31
5	New Nanomaterials and Luminescent Optical Sensors for Detection of Hydrogen Peroxide. <i>Chemosensors</i> , 2015, 3, 253-273.	1.8	29
6	Molecularly imprinted polyaniline for detection of horseradish peroxidase. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6509-6517.	1.9	18
7	The red shift of the semiconductor quantum dots luminescence maximum in the hollow core photonic crystal fibers. <i>Optical Materials</i> , 2017, 73, 423-427.	1.7	10
8	Controlled chemical modification of the internal surface of photonic crystal fibers for application as biosensitive elements. <i>Optical Materials</i> , 2016, 60, 283-289.	1.7	9
9	Microstructured optical fibers sensor modified by deep eutectic solvent: Liquid-phase microextraction and detection in one analytical device. <i>Talanta</i> , 2021, 232, 122305.	2.9	9
10	Rapid method for qualitative detection of 2,4,6-trinitrotoluene in environmental water samples. <i>Analytical Methods</i> , 2009, 1, 170.	1.3	8
11	Simultaneous determination of several mycotoxins by rapid immunofiltration assay. <i>Journal of Analytical Chemistry</i> , 2014, 69, 525-534.	0.4	7
12	Soft glass multi-channel capillaries as a platform for bioimprinting. <i>Talanta</i> , 2020, 208, 120445.	2.9	7
13	Quality Control of Heparin Injections: Comparison of Four Established Methods. <i>Analytical Sciences</i> , 2020, 36, 1467-1471.	0.8	7
14	Microstructured Waveguides with Polyelectrolyte-Stabilized Gold Nanostars for SERS Sensing of Dissolved Analytes. <i>Materials</i> , 2018, 11, 734.	1.3	6
15	UV Spectroscopic Determination of Aloin in Aloe vera (A. vera) Samples Based on Chemometric Data Processing. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1137-1142.	0.4	5
16	Simultaneous determination of proteins in microstructured optical fibers supported by chemometric tools. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7055-7059.	1.9	2
17	Is infrared spectroscopy combined with multivariate analysis a promising tool for heparin authentication?. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113811.	1.4	2
18	Imprinted proteins for determination of ovalbumin. <i>Analytical and Bioanalytical Chemistry</i> , 2022, , .	1.9	2

#	ARTICLE	IF	CITATIONS
19	Detection of antigen-antibody interactions in microstructured optical fibers. , 2020, , .		1
20	Intramolecular photoinduced electron transfer of fluorescent probes based on 1,8-naphthalimide and aniline derivatives. , 2015, , .		0
21	Incorporation of iodine in polymeric microparticles and emulsions. Proceedings of SPIE, 2016, , .	0.8	0
22	Modification of inner surface of photonic crystal fibers with self-assembled polyaniline films. Proceedings of SPIE, 2016, , .	0.8	0
23	Luminescence of europium (III) complexes for visualization. Proceedings of SPIE, 2016, , .	0.8	0
24	The optical properties of quantum dots integrated in a hollow core photon crystal fiber. Proceedings of SPIE, 2017, , .	0.8	0
25	Multicapillary Systems in Analytical Chemistry. Journal of Analytical Chemistry, 2021, 76, 785-796.	0.4	0
26	Layer-by-layer polyelectrolyte coating for surface-enhanced Raman scattering on gold nanostars inside hollow core photonic crystal fibers. , 2018, , .		0
27	Application of microstructural optical waveguides with hollow core for enzyme immunoassay. , 2018, , .		0
28	Spectroscopic analysis supported by chemometric tools for quality control of plant- and animal-based matrices. , 2019, , .		0
29	Influence of saline background on microstructured optical fibers optical properties. , 2019, , .		0
30	The pH of protein solutions effect on microstructured optical fibers transmission spectrum. , 2019, , .		0
31	Molecularly imprinted polyaniline: Synthesis, properties, application. A review. Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology, 2022, 22, 142-149.	0.0	0
32	Transport properties of unmodified and modified polyaniline nanotubes of amoxicillin-selective membranes. Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology, 2022, 22, 133-141.	0.0	0