Pavel S Pidenko

List of Publications by Year
in descending order

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20 papers	115 citations	1307594 7 h-index	1281871 11 g-index
20 all docs	20 docs citations	20 times ranked	126 citing authors

#	Article	IF	Citations
1	Water-dispersed luminescent quantum dots for miRNA detection. TrAC - Trends in Analytical Chemistry, 2019, 111, 197-205.	11.4	28
2	Molecularly imprinted polyaniline for detection of horseradish peroxidase. Analytical and Bioanalytical Chemistry, 2020, 412, 6509-6517.	3.7	18
3	Imprinted proteins as a receptor for detection of zearalenone. Analytica Chimica Acta, 2018, 1040, 99-104.	5.4	12
4	The red shift of the semiconductor quantum dots luminescence maximum in the hollow core photonic crystal fibers. Optical Materials, 2017, 73, 423-427.	3.6	10
5	Controlled chemical modification of the internal surface of photonic crystal fibers for application as biosensitive elements. Optical Materials, 2016, 60, 283-289.	3.6	9
6	Microstructured optical fibers sensor modified by deep eutectic solvent: Liquid-phase microextraction and detection in one analytical device. Talanta, 2021, 232, 122305.	5.5	9
7	Enzyme modulation of quantum dot luminescence: Application in bioanalysis. TrAC - Trends in Analytical Chemistry, 2020, 127, 115897.	11.4	8
8	Soft glass multi-channel capillaries as a platform for bioimprinting. Talanta, 2020, 208, 120445.	5.5	7
9	Dihydrolipoic acid coated alloyed quantum dots. , 2020, , .		4
10	Luminescent alloyed quantum dots for turn-off enzyme-based assay. Analytical and Bioanalytical Chemistry, 2022, 414, 4471-4480.	3.7	4
11	Simultaneous determination of proteins in microstructured optical fibers supported by chemometric tools. Analytical and Bioanalytical Chemistry, 2019, 411, 7055-7059.	3.7	2
12	Imprinted proteins for determination of ovalbumin. Analytical and Bioanalytical Chemistry, 2022, , .	3.7	2
13	Ðœodification of the internal surface of photonic crystal fibers with Ag and Au nanoparticles for application as sensor elements. , 2017, , .		1
14	Detection of antigen-antibody interactions in microstructured optical fibers. , 2020, , .		1
15	Modification of inner surface of photonic crystal fibers with self-assembled polyaniline films. Proceedings of SPIE, 2016, , .	0.8	0
16	The optical properties of quantum dots integrated in a hollow core photon crystal fiber. Proceedings of SPIE, 2017, , .	0.8	0
17	Application of microstructural optical waveguides with hollow core for enzyme immunoassay. , 2018, , .		0
18	Influence of saline background on microstructured optical fibers optical properties. , 2019, , .		0

#	Article	IF	Citations
19	The pH of protein solutions effect on microstructured optical fibers transmission spectrum. , 2019, , .		0
20	Molecularly imprinted polyaniline: Synthesis, properties, application. A review. Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology, 2022, 22, 142-149.	0.1	0