

Giorgi Shtenberg

List of Publications by Year in descending order

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26
papers

601
citations

759233

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docs citations

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times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction and Characterization of Porous SiO ₂ /Hydrogel Hybrids as Optical Biosensors for Rapid Detection of Bacteria. <i>Advanced Functional Materials</i> , 2010, 20, 2269-2277.	14.9	113
2	Engineering Nanostructured Porous SiO ₂ Surfaces for Bacteria Detection via "Direct Cell Capture". <i>Analytical Chemistry</i> , 2011, 83, 3282-3289.	6.5	111
3	Porous Silicon-Based Biosensors: Towards Real-Time Optical Detection of Target Bacteria in the Food Industry. <i>Scientific Reports</i> , 2016, 6, 38099.	3.3	60
4	Detection of trace heavy metal ions in water by nanostructured porous Si biosensors. <i>Analyst</i> , The, 2015, 140, 4507-4514.	3.5	45
5	Picking up the Pieces: A Generic Porous Si Biosensor for Probing the Proteolytic Products of Enzymes. <i>Analytical Chemistry</i> , 2013, 85, 1951-1956.	6.5	37
6	Porous Silicon Fabry-Pérot Interferometer for <i>N</i> -Acetyl- β -D-Glucosaminidase Biomarker Monitoring. <i>ACS Sensors</i> , 2020, 5, 1969-1976.	7.8	33
7	Nanostructured Porous Si Optical Biosensors: Effect of Thermal Oxidation on Their Performance and Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16049-16055.	8.0	32
8	DNA-directed immobilization of horseradish peroxidase onto porous SiO ₂ optical transducers. <i>Nanoscale Research Letters</i> , 2012, 7, 443.	5.7	25
9	Milk haptoglobin detection based on enhanced chemiluminescence of gold nanoparticles. <i>Talanta</i> , 2019, 197, 257-263.	5.5	24
10	Ultrasensitive haptoglobin biomarker detection based on amplified chemiluminescence of magnetite nanoparticles. <i>Journal of Nanobiotechnology</i> , 2020, 18, 6.	9.1	21
11	Porous silicon for cancer therapy: from fundamental research to the clinic. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	4.4	14
12	Gold Nanoparticle Size-Dependent Enhanced Chemiluminescence for Ultra-Sensitive Haptoglobin Biomarker Detection. <i>Biomolecules</i> , 2019, 9, 372.	4.0	14
13	Inflammatory biomarker detection in milk using label-free porous SiO ₂ interferometer. <i>Talanta</i> , 2020, 220, 121439.	5.5	13
14	Amplified Fluorescence by ZnO Nanoparticles vs. Quantum Dots for Bovine Mastitis Acute Phase Response Evaluation in Milk. <i>Nanomaterials</i> , 2020, 10, 549.	4.1	10
15	Label-free optical monitoring of proteolytic reaction products using nanoporous silica colloidal assembly. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 796-800.	7.8	7
16	Real-time detection of copper contaminants in environmental water using porous silicon Fabry-Pérot interferometers. <i>Analyst</i> , The, 2021, 146, 5160-5168.	3.5	7
17	<i>N</i> -acetyl- β -D-glucosaminidase activity assay for monitoring insulin-dependent diabetes using Ag-porous Si SERS platform. <i>Talanta</i> , 2022, 239, 123087.	5.5	7
18	Enhanced Fluorescence of <i>N</i> -Acetyl- β -D-Glucosaminidase Activity by ZnO Quantum Dots for Early Stage Mastitis Evaluation. <i>Frontiers in Chemistry</i> , 2019, 7, 754.	3.6	6

#	ARTICLE	IF	CITATIONS
19	Development and Characterization of Integrated Nano-Sensors for Organic Residues and pH Field Detection. <i>Sensors</i> , 2021, 21, 5842.	3.8	5
20	N-acetyl- β -D-glucosaminidase biomarker quantification in milk using Ag-porous Si SERS platform for mastitis severity evaluation. <i>Applied Surface Science</i> , 2021, 566, 150700.	6.1	5
21	DNAzyme-based biosensor for sub ppb lead ions detection using porous silicon Fabry-Pérot interferometer. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131761.	7.8	4
22	Botulinum Neurotoxin-C Detection Using Nanostructured Porous Silicon Interferometer. <i>Chemosensors</i> , 2021, 9, 228.	3.6	3
23	Botulinum Neurotoxin C Dual Detection through Immunological Recognition and Endopeptidase Activity Using Porous Silicon Interferometers. <i>Analytical Chemistry</i> , 2022, , .	6.5	3
24	Biosensor based on DNA directed immobilization of enzymes onto optically sensitive porous Si. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 195-200.	0.1	1
25	Bovine mastitis inflammatory assessment using silica coated ZnO-NPs induced fluorescence of NAGase biomarker assay. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 257, 119769.	3.9	1
26	Functional Nanostructured Porous Si/Hydrogel Hybrids: Synthesis, Characterization and Applications. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1403, 108.	0.1	0