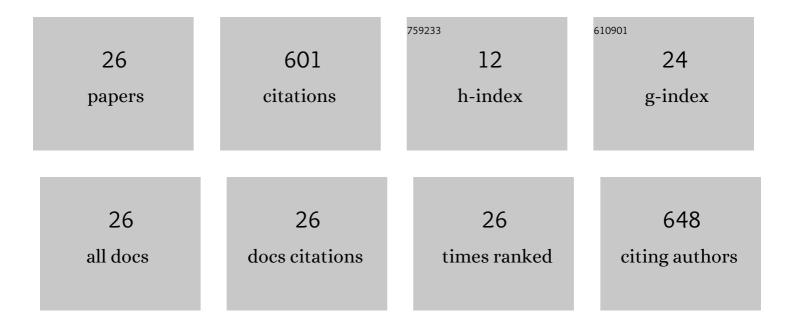
## Giorgi Shtenberg

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7771698/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Construction and Characterization of Porous SiO <sub>2</sub> /Hydrogel Hybrids as Optical Biosensors for Rapid Detection of Bacteria. Advanced Functional Materials, 2010, 20, 2269-2277.	14.9	113
2	Engineering Nanostructured Porous SiO <sub>2</sub> Surfaces for Bacteria Detection via "Direct Cell Capture― Analytical Chemistry, 2011, 83, 3282-3289.	6.5	111
3	Porous Silicon-Based Biosensors: Towards Real-Time Optical Detection of Target Bacteria in the Food Industry. Scientific Reports, 2016, 6, 38099.	3.3	60
4	Detection of trace heavy metal ions in water by nanostructured porous Si biosensors. Analyst, 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. Analytical Chemistry, 2013, 85, 1951-1956.	6.5	37
6	Porous Silicon Fabry–Pérot Interferometer for <i>N</i> -Acetyl-β- <scp>d</scp> -Glucosaminidase Biomarker Monitoring. ACS Sensors, 2020, 5, 1969-1976.	7.8	33
7	Nanostructured Porous Si Optical Biosensors: Effect of Thermal Oxidation on Their Performance and Properties. ACS Applied Materials & amp; Interfaces, 2014, 6, 16049-16055.	8.0	32
8	DNA-directed immobilization of horseradish peroxidase onto porous SiO2 optical transducers. Nanoscale Research Letters, 2012, 7, 443.	5.7	25
9	Milk haptoglobin detection based on enhanced chemiluminescence of gold nanoparticles. Talanta, 2019, 197, 257-263.	5.5	24
10	Ultrasensitive haptoglobin biomarker detection based on amplified chemiluminescence of magnetite nanoparticles. Journal of Nanobiotechnology, 2020, 18, 6.	9.1	21
11	Porous silicon for cancer therapy: from fundamental research to the clinic. Reviews in Chemical Engineering, 2015, 31, .	4.4	14
12	Gold Nanoparticle Size-Dependent Enhanced Chemiluminescence for Ultra-Sensitive Haptoglobin Biomarker Detection. Biomolecules, 2019, 9, 372.	4.0	14
13	Inflammatory biomarker detection in milk using label-free porous SiO2 interferometer. Talanta, 2020, 220, 121439.	5.5	13
14	Amplified Fluorescence by ZnO Nanoparticles vs. Quantum Dots for Bovine Mastitis Acute Phase Response Evaluation in Milk. Nanomaterials, 2020, 10, 549.	4.1	10
15	Label-free optical monitoring of proteolytic reaction products using nanoporous silica colloidal assembly. Sensors and Actuators B: Chemical, 2018, 262, 796-800.	7.8	7
16	Real-time detection of copper contaminants in environmental water using porous silicon Fabry–Pérot interferometers. Analyst, The, 2021, 146, 5160-5168.	3.5	7
17	N-acetyl-β-d-glucosaminidase activity assay for monitoring insulin-dependent diabetes using Ag-porous Si SERS platform. Talanta, 2022, 239, 123087.	5.5	7
18	Enhanced Fluorescence of N-Acetyl-β-D-Glucosaminidase Activity by ZnO Quantum Dots for Early Stage Mastitis Evaluation. Frontiers in Chemistry, 2019, 7, 754.	3.6	6

**GIORGI SHTENBERG** 

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