

Fereshteh Rahimi

List of Publications by Year in descending order

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29
papers

748
citations

567144

15
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526166

27
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30
all docs

30
docs citations

30
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	Buried-Gate MWCNT FET-Based Nanobiosensing Device for Real-Time Detection of CRP. ACS Omega, 2022, 7, 7341-7349.	1.6	8
2	Real-time biosensing of growth hormone on porous silicon by reflectometric interference Fourier transform spectroscopy. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	6
3	Controlled Tyrosine Kinase Inhibitor Delivery to Liver Cancer Cells by Gate-Capped Mesoporous Silica Nanoparticles. ACS Applied Bio Materials, 2020, 3, 239-251.	2.3	18
4	A lectin-coupled porous silicon-based biosensor: label-free optical detection of bacteria in a real-time mode. Scientific Reports, 2020, 10, 16017.	1.6	49
5	Catalytic parameters and thermal stability of chondroitinase ABCI on red porous silicon nanoparticles. Journal of Biotechnology, 2020, 324, 83-90.	1.9	4
6	Label-free discrimination of single nucleotide changes in DNA by reflectometric interference Fourier transform spectroscopy. Colloids and Surfaces B: Biointerfaces, 2019, 181, 714-720.	2.5	9
7	Rapid optimization of liposome characteristics using a combined microfluidics and design-of-experiment approach. Drug Delivery and Translational Research, 2019, 9, 404-413.	3.0	56
8	Optimization of Porous Silicon Conditions for DNA-based Biosensing via Reflectometric Interference Spectroscopy. Cell Journal, 2019, 20, 584-591.	0.2	3
9	The Molecular Basis of the Sodium Dodecyl Sulfate Effect on Human Ubiquitin Structure: A Molecular Dynamics Simulation Study. Scientific Reports, 2018, 8, 2150.	1.6	37
10	The Effect of a Porous Layer on I-V Characterization of a Polysilicon p-n Junction. Silicon, 2018, 10, 205-210.	1.8	6
11	Combined cerium oxide nanocapping and layer-by-layer coating of porous silicon containers for controlled drug release. Journal of Materials Science, 2018, 53, 14975-14988.	1.7	11
12	Design and Fabrication a Gold Nanoparticle-DNA Based Nanobiosensor for Detection of microRNA Involved in Alzheimer's Disease. Journal of Fluorescence, 2017, 27, 603-610.	1.3	27
13	Improvement of chondroitinases ABCI stability in natural deep eutectic solvents. Journal of Molecular Liquids, 2017, 227, 21-25.	2.3	42
14	Evaluating the Potential of an Antibody Against Recombinant OmpW Antigen in Detection of Vibrio cholerae by Surface Plasmon Resonance (SPR) Biosensor. Plasmonics, 2017, 12, 1493-1504.	1.8	15
15	Porous silicon nanoparticle as a stabilizing support for chondroitinase. International Journal of Biological Macromolecules, 2017, 94, 852-858.	3.6	15
16	A novel approach for osteocalcin detection by competitive ELISA using porous silicon as a substrate. Biotechnology and Applied Biochemistry, 2017, 64, 871-878.	1.4	5
17	Development of an immunosensor using oriented immobilized anti-OmpW for sensitive detection of Vibrio cholerae by surface plasmon resonance. Biosensors and Bioelectronics, 2016, 86, 484-488.	5.3	43
18	Comparison of antibody immobilization strategies in detection of <i>Vibrio cholerae</i> by surface plasmon resonance. Biointerphases, 2016, 11, 041006.	0.6	17

#	ARTICLE	IF	CITATIONS
19	Catalytic Effect of Copper Oxide on H ₂ S Sensing Properties of Nanostructured WO ₃ . <i>Sensor Letters</i> , 2013, 11, 2015-2020.	0.4	3
20	Investigation of hydrogen sensing properties and aging effects of Schottky like Pd/porous Si. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 53-60.	4.0	27
21	Pd doped WO ₃ films prepared by sol-gel process for hydrogen sensing. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 854-860.	3.8	133
22	Hydrogen sensing properties of multi-walled carbon nanotube films sputtered by Pd. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 4445-4449.	3.8	28
23	Fourier transform infrared spectroscopy and scanning tunneling spectroscopy of porous silicon in the presence of methanol. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 40-44.	4.0	16
24	Palladium Plating on Macroporous/Microporous Silicon: Application as a Hydrogen Sensor. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2007, 37, 377-380.	0.6	8
25	Characterization of Pd nanoparticle dispersed over porous silicon as a hydrogen sensor. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 7201-7209.	1.3	45
26	Effective factors on Pd growth on porous silicon by electroless-plating: Response to hydrogen. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 164-169.	4.0	34
27	Scanning tunneling spectroscopy of porous silicon in presence of methanol. <i>Sensors and Actuators B: Chemical</i> , 2006, 120, 172-176.	4.0	4
28	Characterization of porous poly-silicon impregnated with Pd as a hydrogen sensor. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 36-40.	1.3	39
29	Characterization of porous poly-silicon as a gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 341-346.	4.0	38