

Fereshteh Rahimi

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

748
citations

567144

15
h-index

526166

27
g-index

30
all docs

30
docs citations

30
times ranked

985
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Pd doped WO ₃ films prepared by sol-gel process for hydrogen sensing. International Journal of Hydrogen Energy, 2010, 35, 854-860. | 3.8 | 133 |
| 2 | 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 |
| 3 | 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 |
| 4 | Characterization of Pd nanoparticle dispersed over porous silicon as a hydrogen sensor. Journal Physics D: Applied Physics, 2007, 40, 7201-7209. | 1.3 | 45 |
| 5 | Development of an immunosensor using oriented immobilized anti-OmpW for sensitive detection of <i>Vibrio cholerae</i> by surface plasmon resonance. Biosensors and Bioelectronics, 2016, 86, 484-488. | 5.3 | 43 |
| 6 | Improvement of chondroitinases ABCI stability in natural deep eutectic solvents. Journal of Molecular Liquids, 2017, 227, 21-25. | 2.3 | 42 |
| 7 | Characterization of porous poly-silicon impregnated with Pd as a hydrogen sensor. Journal Physics D: Applied Physics, 2005, 38, 36-40. | 1.3 | 39 |
| 8 | Characterization of porous poly-silicon as a gas sensor. Sensors and Actuators B: Chemical, 2004, 100, 341-346. | 4.0 | 38 |
| 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 | Effective factors on Pd growth on porous silicon by electroless-plating: Response to hydrogen. Sensors and Actuators B: Chemical, 2006, 115, 164-169. | 4.0 | 34 |
| 11 | Hydrogen sensing properties of multi-walled carbon nanotube films sputtered by Pd. International Journal of Hydrogen Energy, 2010, 35, 4445-4449. | 3.8 | 28 |
| 12 | Investigation of hydrogen sensing properties and aging effects of Schottky like Pd/porous Si. Sensors and Actuators B: Chemical, 2010, 146, 53-60. | 4.0 | 27 |
| 13 | 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 |
| 14 | 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 |
| 15 | Comparison of antibody immobilization strategies in detection of <i>Vibrio cholerae</i> by surface plasmon resonance. Biointerphases, 2016, 11, 041006. | 0.6 | 17 |
| 16 | Fourier transform infrared spectroscopy and scanning tunneling spectroscopy of porous silicon in the presence of methanol. Sensors and Actuators B: Chemical, 2008, 132, 40-44. | 4.0 | 16 |
| 17 | Evaluating the Potential of an Antibody Against Recombinant OmpW Antigen in Detection of <i>Vibrio cholerae</i> by Surface Plasmon Resonance (SPR) Biosensor. Plasmonics, 2017, 12, 1493-1504. | 1.8 | 15 |
| 18 | Porous silicon nanoparticle as a stabilizing support for chondroitinase. International Journal of Biological Macromolecules, 2017, 94, 852-858. | 3.6 | 15 |

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|----|--|-----|-----------|
| 19 | Combined cerium oxide nanocapping and layer-by-layer coating of porous silicon containers for controlled drug release. <i>Journal of Materials Science</i> , 2018, 53, 14975-14988. | 1.7 | 11 |
| 20 | Label-free discrimination of single nucleotide changes in DNA by reflectometric interference Fourier transform spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 714-720. | 2.5 | 9 |
| 21 | 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 |
| 22 | Buried-Gate MWCNT FET-Based Nanobiosensing Device for Real-Time Detection of CRP. <i>ACS Omega</i> , 2022, 7, 7341-7349. | 1.6 | 8 |
| 23 | The Effect of a Porous Layer on I-V Characterization of a Polysilicon p-n Junction. <i>Silicon</i> , 2018, 10, 205-210. | 1.8 | 6 |
| 24 | Real-time biosensing of growth hormone on porous silicon by reflectometric interference Fourier transform spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1. | 1.1 | 6 |
| 25 | A novel approach for osteocalcin detection by competitive ELISA using porous silicon as a substrate. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 871-878. | 1.4 | 5 |
| 26 | Scanning tunneling spectroscopy of porous silicon in presence of methanol. <i>Sensors and Actuators B: Chemical</i> , 2006, 120, 172-176. | 4.0 | 4 |
| 27 | Catalytic parameters and thermal stability of chondroitinase ABCI on red porous silicon nanoparticles. <i>Journal of Biotechnology</i> , 2020, 324, 83-90. | 1.9 | 4 |
| 28 | 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 |
| 29 | Optimization of Porous Silicon Conditions for DNA-based Biosensing via Reflectometric Interference Spectroscopy. <i>Cell Journal</i> , 2019, 20, 584-591. | 0.2 | 3 |