Hoda Ilkhani

List of Publications by Year
in descending order

20 papers	786 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	1364 citing authors

#	Article	IF	Citations
1	Magneto-Plasmonic Nanoparticle Grid Biosensor with Enhanced Raman Scattering and Electrochemical Transduction for the Development of Nanocarriers for Targeted Delivery of Protected Anticancer Drugs. Nanomaterials, 2021, 11, 1326.	4.1	7
2	Novel approaches for rapid detection of COVID-19 during the pandemic: A review. Analytical Biochemistry, 2021, 634, 114362.	2.4	24
3	A novel three-dimensional microTAS chip for ultra-selective single base mismatched Cryptosporidium DNA biosensor. Sensors and Actuators B: Chemical, 2019, 282, 675-683.	7.8	20
4	Pyrolyzable pore-formers for the porous-electrode formation in solid oxide fuel cells: A review. Ceramics International, 2018, 44, 4561-4576.	4.8	25
5	Freeze-casting for the fabrication of solid oxide fuel cells: A review. Materialia, 2018, 1, 198-210.	2.7	33
6	A novel electrochemical DNA biosensor for Ebola virus detection. Analytical Biochemistry, 2018, 557, 151-155.	2.4	99
7	Review on fabrication techniques for porous electrodes of solid oxide fuel cells by sacrificial template methods. Renewable and Sustainable Energy Reviews, 2017, 77, 1221-1239.	16.4	94
8	Fabrication and Electrochemical Characterization of Freeze-Cast Tubular Solid Oxide Fuel Cells. ECS Transactions, 2017, 78, 1885-1895.	0.5	10
9	BSAâ€templated Pb Nanocluster as a Biocompatible Signaling Probe for Electrochemical EGFR Immunosensing. Electroanalysis, 2017, 29, 861-872.	2.9	8
10	Design of an Affibody-Based Recognition Strategy for Human Epidermal Growth Factor Receptor 2 (HER2) Detection by Electrochemical Biosensors. Chemosensors, 2016, 4, 23.	3.6	19
11	Cadmium nanoclusters in a protein matrix: Synthesis, characterization, and application in targeted drug delivery and cellular imaging. Nano Research, 2016, 9, 3229-3246.	10.4	40
12	Nanostructured SERS-electrochemical biosensors for testing of anticancer drug interactions with DNA. Biosensors and Bioelectronics, 2016, 80, 257-264.	10.1	151
13	Analytical Characterization of Label-Free Immunosensor Subsystems Based on Multi-Walled Carbon Nanotube Array-Modified Gold Interface. Combinatorial Chemistry and High Throughput Screening, 2015, 18, 83-88.	1.1	9
14	Electrochemical aptamer/antibody based sandwich immunosensor for the detection of EGFR, a cancer biomarker, using gold nanoparticles as a signaling probe. Biosensors and Bioelectronics, 2015, 74, 491-497.	10.1	155
15	Nanostructured Screen Printed Graphite Electrode for the Development of a Novel Electrochemical Genosensor. Electroanalysis, 2013, 25, 507-514.	2.9	10
16	Application of nickel phosphate nanoparticles and VSB-5 in the modification of carbon paste electrode for electrocatalytic oxidation of methanol. Journal of Solid State Electrochemistry, 2013, 17, 2043-2048.	2.5	26
17	Interaction study of ss-DNA and Yb3+ ions in aqueous solutions by electrochemical and spectroscopic techniques. Journal of Molecular Liquids, 2012, 165, 119-124.	4.9	5
18	The effect of pH on the interaction between Eu3+ ions and short single-stranded DNA sequence, studied with electrochemical, spectroscopic and computational methods. Materials Science and Engineering C, 2012, 32, 653-658.	7.3	14

#	Article	IF	Citations
19	Electrochemical spectroscopic investigations on the interaction of an ytterbium complex with DNA and their analytical applications such as biosensor. International Journal of Biological Macromolecules, 2011, 49, 1117-1123.	7.5	13
20	Complexes of 2-hydroxyacetophenone semicarbazones: A novel series of superoxide dismutase mimetics. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3070-3073.	2.2	24