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	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
2	Nanostructured SERS-electrochemical biosensors for testing of anticancer drug interactions with DNA. Biosensors and Bioelectronics, 2016, 80, 257-264.	10.1	151
3	A novel electrochemical DNA biosensor for Ebola virus detection. Analytical Biochemistry, 2018, 557, 151-155.	2.4	99
4	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
5	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
6	Freeze-casting for the fabrication of solid oxide fuel cells: A review. Materialia, 2018, 1, 198-210.	2.7	33
7	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
8	Pyrolyzable pore-formers for the porous-electrode formation in solid oxide fuel cells: A review. Ceramics International, 2018, 44, 4561-4576.	4.8	25
9	Complexes of 2-hydroxyacetophenone semicarbazones: A novel series of superoxide dismutase mimetics. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3070-3073.	2.2	24
10	Novel approaches for rapid detection of COVID-19 during the pandemic: A review. Analytical Biochemistry, 2021, 634, 114362.	2.4	24
11	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
12	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
13	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
14	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
15	Nanostructured Screen Printed Graphite Electrode for the Development of a Novel Electrochemical Genosensor. Electroanalysis, 2013, 25, 507-514.	2.9	10
16	Fabrication and Electrochemical Characterization of Freeze-Cast Tubular Solid Oxide Fuel Cells. ECS Transactions, 2017, 78, 1885-1895.	0.5	10
17	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
18	BSAâ€templated Pb Nanocluster as a Biocompatible Signaling Probe for Electrochemical EGFR Immunosensing. Electroanalysis, 2017, 29, 861-872.	2.9	8

#	Article	IF	Citations
19	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
20	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