BIOSENSORS: Broadband Biodetection: Holmes on a Ch

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Citation Report

#	Article	IF	Citations
2	Microplate based biosensing with a computer screen aided technique. Biosensors and Bioelectronics, 2003, 19, 35-41.	10.1	41
3	Electronic sensors with living cellular components. Proceedings of the IEEE, 2003, 91, 915-929.	21.3	112
4	Shedding Light on Microbial Detection. New England Journal of Medicine, 2003, 349, 2162-2163.	27.0	14
5	Single Osteoblast Chemical Sensor via Non-invasive Bio-Electronic Interface. Materials Research Society Symposia Proceedings, 2003, 782, 1.	0.1	0
6	CMOS microelectrode array for the monitoring of electrogenic cells. Biosensors and Bioelectronics, 2004, 20, 358-366.	10.1	152
7	Living Bacterial Cell Array for Genotoxin Monitoring. Analytical Chemistry, 2004, 76, 2902-2909.	6.5	86
8	Smart Biomaterials. Science, 2004, 305, 1923-1924.	12.6	281
9	Demonstration of an intelligent hydrogel based diffraction grating. , 2005, , .		0
10	A radial microfluidic fuel processor. Journal of Power Sources, 2005, 147, 116-127.	7.8	62
11	Generation of biochemical response patterns of different substances using a whole cell assay with multiple signaling pathways. Biosensors and Bioelectronics, 2005, 21, 727-734.	10.1	12
12	Frog melanophores cultured on fluorescent microbeads: biomimic-based biosensing. Biosensors and Bioelectronics, 2005, 21, 111-120.	10.1	3
13	Current and Developing Technologies for Monitoring Agents of Bioterrorism and Biowarfare. Clinical Microbiology Reviews, 2005, 18, 583-607.	13.6	372
14	A Scalable Addressable Positive-Dielectrophoretic Cell-Sorting Array. Analytical Chemistry, 2005, 77, 7976-7983.	6.5	169
15	Nonantibody-based recognition: alternative molecules for detection of pathogens. Expert Review of Proteomics, 2006, 3, 511-524.	3.0	65
16	Electrochemical and ligand binding studies of a de novo heme protein. Biophysical Chemistry, 2006, 123, 102-112.	2.8	20
17	Cellular impedance biosensors for drug screening and toxin detection. Analyst, The, 2007, 132, 835.	3.5	169
18	Avidin Decorated Coreâ€“Shell Nanoparticles for Biorecognition Studies by Elastic Light Scattering. ChemBioChem, 2007, 8, 1021-1028.	2.6	19
19	Influence of cell adhesion and spreading on impedance characteristics of cell-based sensors. Biosensors and Bioelectronics, 2008, 23, 1307-1313.	10.1	86

#	Article	IF	Citations
20	Gold nanoparticles: From nanomedicine to nanosensing. Nanotechnology, Science and Applications, 2008, Volume 1, 45-66.	4.6	260
21	Molecular Recognition and Specific Interactions for Biosensing Applications. Sensors, 2008, 8, 6605-6641.	3.8	72
22	Detection of drug-induced cellular changes using confocal Raman spectroscopy on patterned single-cell biosensors. Analyst, The, 2009, 134, 1440.	3.5	49
23	Biomarkers and Biosensors of Delayed Neuropathic Agents. , 2009, , 859-876.		4
24	Characterization of oxidative stress in Leishmaniasis-infected or LPS-stimulated macrophages using electrochemical impedance spectroscopy. Biosensors and Bioelectronics, 2010, 25, 2566-2572.	10.1	14
25	Orientation Difference of Chemically Immobilized and Physically Adsorbed Biological Molecules on Polymers Detected at the Solid/Liquid Interfaces in Situ. Langmuir, 2010, 26, 6471-6477.	3.5	69
26	Solvent Effect and Time-Dependent Behavior of C-Terminus-Cysteine-Modified Cecropin P1 Chemically Immobilized on a Polymer Surface. Langmuir, 2011, 27, 7042-7051.	3.5	34
27	A Study on One-Step Immobilization of Horse Immunoglobulin with Vertically Grown ZnO Nanorods Substrates. Journal of the Electrochemical Society, 2011, 158, K107.	2.9	4
28	Fine Particles in Medicine and Pharmacy. , 2012, , .		9
29	Biomedical Applications of Gold Nanoparticles. , 2012, , 101-145.		5
30	Multiscale analysis of adsorption-induced surface stress of alkanethiol on microcantilever. Journal Physics D: Applied Physics, 2013, 46, 035301.	2.8	5
32	Neuropathy Target Esterase as a Biomarker and Biosensor of Delayed Neuropathic Agents. , 2015, , 935-952.		7
33	Shape-Dependent Field Enhancement and Plasmon Resonance of Oxide Nanocrystals. Journal of Physical Chemistry C, 2015, 119, 6227-6238.	3.1	102
34	Towards Maintenanceâ€Free Biosensors for Hundreds of Bind/Release Cycles. Angewandte Chemie - International Edition, 2015, 54, 2174-2178.	13.8	16
35	Use of green fluorescent proteins for in vitro biosensing. Chemical Papers, 2015, 69, .	2.2	2
36	Noble Metal Nanoparticles in Electrochemical Analysis of Drugs. , 2019, , 171-195.		5
37	Neuropathy target esterase as a biomarker and biosensor of delayed neuropathic agents. , 2020, , 1005-1025.		0
38	Nanomedicine. , 2012, , 1-41.		0

#	Article	IF	Citations
39	Effect of cadmium chloride on general body colouration and chromatophores of stinging cat fish, Heteropneustes fossilis (Bloch). Journal of Applied and Natural Science, 2018, 10, 655-660.	0.4	2