Renu Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11712946/publications.pdf

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21	900	623734	839539
papers	citations	14 h-index	18 g-index

21	21	21	1435
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biosensors for pathogen detection: A smart approach towards clinical diagnosis. Sensors and Actuators B: Chemical, 2014, 197, 385-404.	7.8	147
2	Label-free Detection of Influenza Viruses using a Reduced Graphene Oxide-based Electrochemical Immunosensor Integrated with a Microfluidic Platform. Scientific Reports, 2017, 7, 42771.	3.3	138
3	Chitosanâ€“iron oxide nano-composite platform for mismatch-discriminating DNA hybridization for Neisseria gonorrhoeae detection causing sexually transmitted disease. Biosensors and Bioelectronics, 2011, 26, 2967-2974.	10.1	65
4	Cost-Effective and Handmade Paper-Based Immunosensing Device for Electrochemical Detection of Influenza Virus. Sensors, 2017, 17, 2597.	3.8	60
5	STD sensor based on nucleic acid functionalized nanostructured polyaniline. Biosensors and Bioelectronics, 2009, 24, 2232-2238.	10.1	59
6	Solâ€“gel derived nano-structured zinc oxide film for sexually transmitted disease sensor. Analyst, The, 2009, 134, 997.	3.5	59
7	Single-walled carbon nanotube based transparent immunosensor for detection of a prostate cancer biomarker osteopontin. Analytica Chimica Acta, 2015, 869, 68-73.	5.4	57
8	Electrical immunosensor based on dielectrophoretically-deposited carbon nanotubes for detection of influenza virus H1N1. Analyst, The, 2014, 139, 5415-5421.	3.5	56
9	Nanobiocomposite platform based on polyaniline-iron oxide-carbon nanotubes for bacterial detection. Bioelectrochemistry, 2012, 86, 30-37.	4.6	51
10	Polyaniline/carbon nanotubes platform for sexually transmitted disease detection. Journal of Molecular Recognition, 2010, 23, 472-479.	2.1	40
11	Electrochemical Immunosensors. , 2018, , 359-414.		40
12	Electrochemical genosensor based on modified octadecanethiol self-assembled monolayer for Escherichia coli detection. Sensors and Actuators B: Chemical, 2011, 151, 333-340.	7.8	32
13	DNA biosensor for detection of Neisseria gonorrhoeae causing sexually transmitted disease. Journal of Biotechnology, 2010, 150, 357-365.	3.8	27
14	Fabrication of Neisseria gonorrhoeae biosensor based on chitosanâ€“MWCNT platform. Thin Solid Films, 2010, 519, 1135-1140.	1.8	19
15	Nanostructured platform for the detection of Neisseria gonorrhoeae using electrochemical impedance spectroscopy and differential pulse voltammetry. Mikrochimica Acta, 2012, 177, 201-210.	5.0	16
16	Coupling electrochemical response of a DNA biosensor with PCR for Neisseria gonorrhoeae detection. Diagnostic Microbiology and Infectious Disease, 2014, 78, 16-23.	1.8	13
17	Effects of Carbon Dioxide Aerosols on the Viability of Escherichia coli during Biofilm Dispersal. Scientific Reports, 2015, 5, 13766.	3.3	8
18	Solâ€“gel derived cerium-oxideâ€“silicon-oxide nanocomposite for cypermethrin detection. Thin Solid Films, 2010, 519, 1122-1127.	1.8	7

#	Article	IF	Citations
19	Mechanical desorption of immobilized proteins using carbon dioxide aerosols for reusable biosensors. Analytica Chimica Acta, 2015, 853, 588-595.	5.4	6
20	Nano-Enabled Sensing Platforms for Personalized Care. , 2017, , 201-216.		0
21	Nanobiosensing Technologies for Prostate Cancer Diagnostics/Prognostics: Tiny Smart Medicine. , 2017, , 233-252.		0