

Dawoon Han

List of Publications by Year in descending order

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14
papers

291
citations

1163117

8
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

485
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of protein kinase using an aptamer on a microchip integrated electrolyte-insulator-semiconductor sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 973-979.	7.8	23
2	Highly selective organic transistor biosensor with inkjet printed graphene oxide support system. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3580-3585.	5.8	28
3	Microscale loop-mediated isothermal amplification of viral DNA with real-time monitoring on solution-gated graphene FET microchip. <i>Biosensors and Bioelectronics</i> , 2017, 93, 220-225.	10.1	42
4	Rapid Detection of Protein Kinase on Capacitive Sensing Platforms. <i>IEEE Transactions on Nanobioscience</i> , 2016, 15, 843-848.	3.3	5
5	Mechanism of Label-Free DNA Detection Using the Floating Electrode on Pentacene Thin Film Transistor. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4854-4859.	3.1	18
6	Gold Nanoparticle Enhanced Electrochemical Assay for Protein Kinase Activity Using a Synthetic Chemosensor on a Microchip. <i>Journal of the Electrochemical Society</i> , 2015, 162, B89-B93.	2.9	9
7	Microchip Capillary Electrophoresis Based Electroanalysis of Triazine Herbicides. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 94, 41-45.	2.7	19
8	Rhodium Complex and Enzyme Couple Mediated Electrochemical Detection of Adenosine. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 812-820.	2.9	6
9	An Electrochemical Assay for Restriction Endonuclease Activity Using Graphene Monolayer. <i>Journal of the Electrochemical Society</i> , 2014, 161, B261-B264.	2.9	8
10	MCU based real-time temperature control system for universal microfluidic PCR chip. <i>Microsystem Technologies</i> , 2014, 20, 471-476.	2.0	9
11	Analytical detection of biological thiols in a microchip capillary channel. <i>Biosensors and Bioelectronics</i> , 2013, 40, 362-367.	10.1	33
12	Screening and electrochemical detection of an antibiotic producing gene in bacteria on an integrated microchip. <i>Analytical Methods</i> , 2013, 5, 6814.	2.7	4
13	An integrated PCR microfluidic chip incorporating aseptic electrochemical cell lysis and capillary electrophoresis amperometric DNA detection for rapid and quantitative genetic analysis. <i>Lab on A Chip</i> , 2012, 12, 4455.	6.0	53
14	Fast detection of triazine herbicides on a microfluidic chip using capillary electrophoresis pulse amperometric detection. <i>Microelectronic Engineering</i> , 2012, 97, 391-395.	2.4	34