

Dawoon Han

List of Publications by Year in descending order

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14
papers

291
citations

1163117

8
h-index

1058476

14
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14
all docs

14
docs citations

14
times ranked

485
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Analytical detection of biological thiols in a microchip capillary channel. <i>Biosensors and Bioelectronics</i> , 2013, 40, 362-367. | 10.1 | 33 |
| 5 | 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 |
| 6 | 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 |
| 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 | 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 |
| 9 | MCU based real-time temperature control system for universal microfluidic PCR chip. <i>Microsystem Technologies</i> , 2014, 20, 471-476. | 2.0 | 9 |
| 10 | 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 |
| 11 | An Electrochemical Assay for Restriction Endonuclease Activity Using Graphene Monolayer. <i>Journal of the Electrochemical Society</i> , 2014, 161, B261-B264. | 2.9 | 8 |
| 12 | Rhodium Complex and Enzyme Couple Mediated Electrochemical Detection of Adenosine. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 812-820. | 2.9 | 6 |
| 13 | Rapid Detection of Protein Kinase on Capacitive Sensing Platforms. <i>IEEE Transactions on Nanobioscience</i> , 2016, 15, 843-848. | 3.3 | 5 |
| 14 | 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 |