

Kihwan Nam

List of Publications by Year in descending order

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11
papers

181
citations

1040056

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1281871

11
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all docs

11
docs citations

11
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying DNA mismatches at single-nucleotide resolution by probing individual surface potentials of DNA-capped nanoparticles. <i>Nanoscale</i> , 2018, 10, 538-547.	5.6	11
2	Shaping Rolling Circle Amplification Products into DNA Nanoparticles by Incorporation of Modified Nucleotides and Their Application to In Vitro and In Vivo Delivery of a Photosensitizer. <i>Molecules</i> , 2018, 23, 1833.	3.8	12
3	Automated Dielectrophoretic Tweezers-Based Force Spectroscopy System in a Microfluidic Device. <i>Sensors</i> , 2017, 17, 2272.	3.8	8
4	Research Update: Nanoscale surface potential analysis of MoS ₂ field-effect transistors for biomolecular detection using Kelvin probe force microscopy. <i>APL Materials</i> , 2016, 4, .	5.1	7
5	Biaxial Dielectrophoresis Force Spectroscopy: A Stoichiometric Approach for Examining Intermolecular Weak Binding Interactions. <i>ACS Nano</i> , 2016, 10, 4011-4019.	14.6	21
6	Real-Time Analysis of Cellular Response to Small-Molecule Drugs within a Microfluidic Dielectrophoresis Device. <i>Analytical Chemistry</i> , 2015, 87, 5914-5920.	6.5	15
7	Carbon Nanotube-Patterned Surface-Based Recognition of Carcinoembryonic Antigens in Tumor Cells for Cancer Diagnosis. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1126-1130.	4.6	14
8	Nanomechanical characterization of chemical interaction between gold nanoparticles and chemical functional groups. <i>Nanoscale Research Letters</i> , 2012, 7, 608.	5.7	25
9	Aptamer-functionalized nano-pattern based on carbon nanotube for sensitive, selective protein detection. <i>Journal of Materials Chemistry</i> , 2012, 22, 23348.	6.7	36
10	Single-step electropolymerization patterning of a polypyrrole nanowire by ultra-short pulses via an AFM cantilever. <i>Nanotechnology</i> , 2011, 22, 225303.	2.6	14
11	Experimental and numerical study of electrochemical nanomachining using an AFM cantilever tip. <i>Nanotechnology</i> , 2010, 21, 185301.	2.6	18