Kihwan Nam

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11288244/publications.pdf

Version: 2024-02-01

11	181	1040056 9	1281871 11
papers	citations	h-index	g-index

11	11	11	311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aptamer-functionalized nano-pattern based on carbon nanotube for sensitive, selective protein detection. Journal of Materials Chemistry, 2012, 22, 23348.	6.7	36
2	Nanomechanical characterization of chemical interaction between gold nanoparticles and chemical functional groups. Nanoscale Research Letters, 2012, 7, 608.	5.7	25
3	Biaxial Dielectrophoresis Force Spectroscopy: A Stoichiometric Approach for Examining Intermolecular Weak Binding Interactions. ACS Nano, 2016, 10, 4011-4019.	14.6	21
4	Experimental and numerical study of electrochemical nanomachining using an AFM cantilever tip. Nanotechnology, 2010, 21, 185301.	2.6	18
5	Real-Time Analysis of Cellular Response to Small-Molecule Drugs within a Microfluidic Dielectrophoresis Device. Analytical Chemistry, 2015, 87, 5914-5920.	6.5	15
6	Single-step electropolymerization patterning of a polypyrrole nanowire by ultra-short pulses via an AFM cantilever. Nanotechnology, 2011, 22, 225303.	2.6	14
7	Carbon Nanotube-Patterned Surface-Based Recognition of Carcinoembryonic Antigens in Tumor Cells for Cancer Diagnosis. Journal of Physical Chemistry Letters, 2013, 4, 1126-1130.	4.6	14
8	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. Molecules, 2018, 23, 1833.	3.8	12
9	Identifying DNA mismatches at single-nucleotide resolution by probing individual surface potentials of DNA-capped nanoparticles. Nanoscale, 2018, 10, 538-547.	5.6	11
10	Automated Dielectrophoretic Tweezers-Based Force Spectroscopy System in a Microfluidic Device. Sensors, 2017, 17, 2272.	3.8	8
11	Research Update: Nanoscale surface potential analysis of MoS2 field-effect transistors for biomolecular detection using Kelvin probe force microscopy. APL Materials, 2016, 4, .	5.1	7