Carmen Kar Man Fung

List of Publications by Year
in descending order

37	306	1163117 8	1125743 13
papers	citations	h-index	g-index

37	37	37	302
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of human keratinocyte cell adhesion using atomic force microscopy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 191-200.	3.3	55
2	Automated Nanomanufacturing System to Assemble Carbon Nanotube Based Devices. International Journal of Robotics Research, 2009, 28, 523-536.	8.5	38
3	Cellular level robotic surgery: Nanodissection of intermediate filaments in live keratinocytes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 137-145.	3.3	31
4	Engineering the band gap of carbon nanotube for infrared sensors. Applied Physics Letters, 2009, 95, .	3.3	30
5	Quantitative Analysis of Human Keratinocyte Cell Elasticity Using Atomic Force Microscopy (AFM). IEEE Transactions on Nanobioscience, 2011, 10, 9-15.	3.3	29
6	Characterization of mechanical behavior of an epithelial monolayer in response to epidermal growth factor stimulation. Experimental Cell Research, 2012, 318, 521-526.	2.6	27
7	Nanoresonant signal boosters for carbon nanotube based infrared detectors. Nanotechnology, 2009, 20, 185201.	2.6	24
8	Bionanomanipulation Using Atomic Force Microscopy. IEEE Nanotechnology Magazine, 2010, 4, 9-12.	1.3	19
9	Plasmonic-Resonant Bowtie Antenna for Carbon Nanotube Photodetectors. International Journal of Optics, 2012, 2012, 1-9.	1.4	7
10	CNT infrared detectors using Schottky barriers and p-n junctions based FETs. , 2009, , .		6
11	Atomic Force Microscopy as Nanorobot. Methods in Molecular Biology, 2011, 736, 485-503.	0.9	6
12	The Emergence of AFM Applications to Cell Biology: How new technologies are facilitating investigation of human cells in health and disease at the nanoscale. Journal of Nanoscience Letters, 2011, 1`, 87-101.	1.0	6
13	Photonic crystal wave guide for non-cryogenic cooled carbon nanotube based middle wave infrared sensors. Proceedings of SPIE, 2010, , .	0.8	5
14	Ultra-compliant thermal AFM probes for studying of cellular properties. , 2010, , .		3
15	Fabrication of graphene devices for infrared detection. , 2010, , .		3
16	Development of graphene-based optical detectors for infrared sensing applications. , 2011, , .		3
17	High-speed non-cryogenic cooled infrared sensors using carbon nanotubes. , 2010, , .		2
18	Comparative studies of Atomic Force Microscopy (AFM) and Quartz Crystal Microbalance with Dissipation (QCM-D) for real-time identification of signaling pathway. , 2010, , .		2

#	Article	IF	Citations
19	Zero-bandgap graphene for infrared sensing applications. Proceedings of SPIE, 2011, , .	0.8	2
20	Photonic Effect on Oxygen-Doped and De-Doped Carbon Nanotubes. , 2008, , .		1
21	Development of carbon nanotube based spectrum infrared sensors. , 2009, , .		1
22	Development of infrared sensors using carbon nanotube (CNT) based field effect transistor (FET). , 2009, , .		1
23	Quantum effect in field enhancement using antenna for carbon nanotube based infrared sensors. , 2010, , .		1
24	Manipulation and assembly methods for graphene based nano devices. , 2010, , .		1
25	Uncooled infrared sensing using graphene. , 2011, , .		1
26	Development and testing of nano robot end effector for cell electrophysiology and elastography studies. , 2011, , .		1
27	On-Chip Band Gap Engineering of Carbon Nanotubes. , 2012, , 81-92.		1
28	Design and Fabrication of Nano Antenna for Carbon Nanotube Infrared Detector. , 2008, , .		0
29	Micro fixture enabled in-situ imaging and manipulation of cell membrane protein. , 2010, , .		0
30	Atomic Force Microscopy based nanorobotic operations for biomedical investigations. , 2010, , .		0
31	Gate structure optimization of carbon nanotube transistor based infrared detector. , 2010, , .		0
32	Cellular tensegrity modeling with Atomic Force Microscopy (AFM) experimentation. , 2010, , .		0
33	Investigation and characterization of graphene for optical sensing. , 2011, , .		0
34	Investigations of bio marker for stem cell differentiations using an Atomic Force Microscopy based nanorobot. , 2011, , .		0
35	Development of Optical Sensors Using Graphene. , 2012, , 199-207.		0
36	Packaging Processes for Carbon Nanotube-Based Devices. , 2012, , 93-105.		0

#	Article	IF	Citations
37	Nanoantennas on Nanowire-Based Optical Sensors. , 2012, , 151-161.		0