Ram Datar

List of Publications by Year
in descending order

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22 papers	2,954 citations	516710 16 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	4229 citing authors

#	Article	IF	Citations
1	Frequency and clinical impact of preoperative circulating tumor cells in resectable non-metastatic lung adenocarcinomas. Lung Cancer, 2017, 113, 152-157.	2.0	10
2	Targeted and controlled anticancer drug delivery and release with magnetoelectric nanoparticles. Scientific Reports, 2016, 6, 20867.	3.3	199
3	Isolation of Circulating Tumor Cells Using Stiffness-Based Filtration Platform. , 2015, , .		1
4	Fourier ptychographic microscopy for filtration-based circulating tumor cell enumeration and analysis. Journal of Biomedical Optics, 2014, 19, 066007.	2.6	73
5	Separable Bilayer Microfiltration Device for Viable Label-free Enrichment of Circulating Tumour Cells. Scientific Reports, 2014, 4, 7392.	3.3	91
6	Clinical translation of a novel microfilter technology Capture, characterization and culture of circulating tumor cells. , 2013, , .		1
7	Top-down Fabricated Polysilicon Nanoribbon Biosensor Chips for Cancer Diagnosis. Materials Research Society Symposia Proceedings, 2013, 1569, 213-218.	0.1	1
8	Size-Based Enrichment Technologies for CTC Detection and Characterization. Recent Results in Cancer Research, 2012, 195, 87-95.	1.8	28
9	Rapid, Label-Free, Electrical Whole Blood Bioassay Based on Nanobiosensor Systems. ACS Nano, 2011, 5, 9883-9891.	14.6	74
10	3D microfilter device for viable circulating tumor cell (CTC) enrichment from blood. Biomedical Microdevices, 2011, 13, 203-213.	2.8	394
11	Disseminated and circulating tumor cells: Role in effective cancer management. Critical Reviews in Oncology/Hematology, 2011, 77, 1-11.	4.4	82
12	Technologies and methods used for the detection, enrichment and characterization of cancer stem cells. The National Medical Journal of India, 2010, 23, 346-50.	0.3	7
13	Cantilever Sensors: Nanomechanical Tools for Diagnostics. MRS Bulletin, 2009, 34, 449-454.	3.5	170
14	Label-Free Protein Recognition Two-Dimensional Array Using Nanomechanical Sensors. Nano Letters, 2008, 8, 520-524.	9.1	108
15	ErbB-2 Induces the Cyclin D1 Gene in Prostate Epithelial Cells In vitro and In vivo. Cancer Research, 2007, 67, 4364-4372.	0.9	36
16	Membrane microfilter device for selective capture, electrolysis and genomic analysis of human circulating tumor cells. Journal of Chromatography A, 2007, 1162, 154-161.	3.7	547
17	Role of coordinated molecular alterations in the development of androgen-independent prostate cancer: an in vitro model that corroborates clinical observations. BJU International, 2006, 97, 170-178.	2.5	25
18	Complementary Detection of Prostate-Specific Antigen Using In2O3 Nanowires and Carbon Nanotubes. Journal of the American Chemical Society, 2005, 127, 12484-12485.	13.7	376

#	Article	IF	Citations
19	DNA extraction from archival formalin-fixed, paraffin-embedded tissues: heat-induced retrieval in alkaline solution. Histochemistry and Cell Biology, 2004, 122, 211-218.	1.7	142
20	DNA Extraction from Archival Formalin-fixed, Paraffin-embedded Tissue Sections Based on the Antigen Retrieval Principle: Heating Under the Influence of pH. Journal of Histochemistry and Cytochemistry, 2002, 50, 1005-1011.	2.5	225
21	Cantilever-Based Optical Deflection Assay for Discrimination of DNA Single-Nucleotide Mismatches. Analytical Chemistry, 2001, 73, 1567-1571.	6.5	363
22	Nanomechanical Methods To Study Single Cells. , 0, , 245-265.		0