

Bahram Parvin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

649

citations

12

h-index

25

g-index

26

ext. papers

762

ext. citations

6.8

avg, IF

3.47

L-index

#	Paper	IF	Citations
26	CD36 repression activates a multicellular stromal program shared by high mammographic density and tumor tissues. <i>Cancer Discovery</i> , 2012 , 2, 826-39	24.4	128
25	Breast fibroblasts modulate early dissemination, tumorigenesis, and metastasis through alteration of extracellular matrix characteristics. <i>Neoplasia</i> , 2013 , 15, 249-62	6.4	126
24	Invariant delineation of nuclear architecture in glioblastoma multiforme for clinical and molecular association. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 670-82	11.7	70
23	Molecular predictors of 3D morphogenesis by breast cancer cell lines in 3D culture. <i>PLoS Computational Biology</i> , 2010 , 6, e1000684	5	67
22	A molecular method for the delivery of small molecules and proteins across the cell wall of algae using molecular transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13225-30	11.5	45
21	Linking changes in epithelial morphogenesis to cancer mutations using computational modeling. <i>PLoS Computational Biology</i> , 2010 , 6, e1000900	5	35
20	Iterative tensor voting for perceptual grouping of ill-defined curvilinear structures. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 1503-13	11.7	25
19	Integrated profiling of three dimensional cell culture models and 3D microscopy. <i>Bioinformatics</i> , 2013 , 29, 3087-93	7.2	23
18	Stress signaling from human mammary epithelial cells contributes to phenotypes of mammographic density. <i>Cancer Research</i> , 2014 , 74, 5032-5044	10.1	20
17	Multidimensional profiling of cell surface proteins and nuclear markers. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2010 , 7, 80-90	3	16
16	A Practical Methodology for Generating High-Resolution 3D Models of Open-Pit Slopes Using UAVs: Flight Path Planning and Optimization. <i>Remote Sensing</i> , 2020 , 12, 2283	5	15
15	BioSig3D: High Content Screening of Three-Dimensional Cell Culture Models. <i>PLoS ONE</i> , 2016 , 11, e0148379	3.79	14
14	Stiffness of the microenvironment upregulates ERBB2 expression in 3D cultures of MCF10A within the range of mammographic density. <i>Scientific Reports</i> , 2016 , 6, 28987	4.9	12
13	Feature-Based Representation Improves Color Decomposition and Nuclear Detection Using a Convolutional Neural Network. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 625-634	5	10
12	Fusion of encoder-decoder deep networks improves delineation of multiple nuclear phenotypes. <i>BMC Bioinformatics</i> , 2018 , 19, 294	3.6	10
11	Efficient synthesis of fluorescent rosamines: multifunctional platforms for cellular imaging. <i>Tetrahedron Letters</i> , 2014 , 55, 1549-1551	2	7
10	Functionalized Buckyballs for Visualizing Microbial Species in Different States and Environments. <i>Scientific Reports</i> , 2015 , 5, 13685	4.9	6

9	Identification of fluorescent compounds with non-specific binding property via high throughput live cell microscopy. <i>PLoS ONE</i> , 2012 , 7, e28802	3.7	6
8	Overexpression of CD36 in mammary fibroblasts suppresses colony growth in breast cancer cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 526, 41-47	3.4	5
7	YY1 is a cis-regulator in the organoid models of high mammographic density. <i>Bioinformatics</i> , 2020 , 36, 1663-1667	7.2	3
6	Topographically Guided UAV for Identifying Tension Cracks Using Image-Based Analytics in Open-Pit Mines. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5415-5424	8.9	2
5	Protein Ligands in the Secretome of CD36 Fibroblasts Induce Growth Suppression in a Subset of Breast Cancer Cell Lines. <i>Cancers</i> , 2021 , 13,	6.6	2
4	Buckyballs conjugated with nucleic acid sequences identifies microorganisms in live cell assays. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 78	9.4	1
3	Organoid model of mammographic density displays a higher frequency of aberrant colony formations with radiation exposure. <i>Bioinformatics</i> , 2020 , 36, 1989-1993	7.2	1
2	Deep fusion of contextual and object-based representations for delineation of multiple nuclear phenotypes. <i>Bioinformatics</i> , 2019 , 35, 4860-4861	7.2	0
1	Rapid identification of a subset of foodborne bacteria in live-cell assays. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 10571-10584	5.7	0