

M Julius Hossain

List of Publications by Year in Descending Order

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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.

44
papers

1,174
citations

14
h-index

34
g-index

52
ext. papers

1,624
ext. citations

7.2
avg, IF

4.17
L-index

#	Paper	IF	Citations
44	Visualizing Nuclear Pore Complex Assembly In Situ in Human Cells at Nanometer Resolution by Correlating Live Imaging with Electron Microscopy.. <i>Methods in Molecular Biology</i> , 2022 , 2502, 493-512	1.4	0
43	Three-dimensional superresolution fluorescence microscopy maps the variable molecular architecture of the nuclear pore complex. <i>Molecular Biology of the Cell</i> , 2021 , 32, 1523-1533	3.5	7
42	Dual spindles assemble in bovine zygotes despite the presence of paternal centrosomes. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	5
41	Determining cellular CTCF and cohesin abundances to constrain 3D genome models. <i>ELife</i> , 2019 , 8,	8.9	59
40	A quantitative map of human Condensins provides new insights into mitotic chromosome architecture. <i>Journal of Cell Biology</i> , 2018 , 217, 2309-2328	7.3	89
39	Postmitotic nuclear pore assembly proceeds by radial dilation of small membrane openings. <i>Nature Structural and Molecular Biology</i> , 2018 , 25, 21-28	17.6	53
38	Dual-spindle formation in zygotes keeps parental genomes apart in early mammalian embryos. <i>Science</i> , 2018 , 361, 189-193	33.3	72
37	Experimental and computational framework for a dynamic protein atlas of human cell division. <i>Nature</i> , 2018 , 561, 411-415	50.4	65
36	Quantitative mapping of fluorescently tagged cellular proteins using FCS-calibrated four-dimensional imaging. <i>Nature Protocols</i> , 2018 , 13, 1445-1464	18.8	41
35	Topologically associating domains and chromatin loops depend on cohesin and are regulated by CTCF, WAPL, and PDS5 proteins. <i>EMBO Journal</i> , 2017 , 36, 3573-3599	13	360
34	Nuclear pore assembly proceeds by an inside-out extrusion of the nuclear envelope. <i>ELife</i> , 2016 , 5,	8.9	107
33	Sister chromatid resolution is an intrinsic part of chromosome organization in prophase. <i>Nature Cell Biology</i> , 2016 , 18, 692-9	23.4	59
32	Live imaging and modeling of inner nuclear membrane targeting reveals its molecular requirements in mammalian cells. <i>Journal of Cell Biology</i> , 2015 , 209, 705-20	7.3	53
31	Integration of biological data by kernels on graph nodes allows prediction of new genes involved in mitotic chromosome condensation. <i>Molecular Biology of the Cell</i> , 2014 , 25, 2522-36	3.5	36
30	A novel framework for cellular tracking and mitosis detection in dense phase contrast microscopy images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013 , 17, 642-53	7.2	28
29	Convective tissue movements play a major role in avian endocardial morphogenesis. <i>Developmental Biology</i> , 2012 , 363, 348-61	3.1	36
28	A Linear Time Algorithm of Computing Hausdorff Distance for Content-based Image Analysis. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 389-399	2.2	11

27	A flexible edge matching technique for object detection in dynamic environment. <i>Applied Intelligence</i> , 2012 , 36, 638-648	4.9	10
26	An active particle-based tracking framework for 2D and 3D time-lapse microscopy images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6613-8	0.9	1
25	A Novel Framework for Tracking In-vitro Cells in Time-lapse Phase Contrast Data 2010 ,		3
24	Background Independent Moving Object Segmentation for Video Surveillance. <i>IEICE Transactions on Communications</i> , 2009 , E92-B, 585-598	0.5	8
23	An Adaptive Motion Segmentation for Automated Video Surveillance. <i>Eurasip Journal on Advances in Signal Processing</i> , 2008 , 2008,	1.9	1
22	Moving Object Detection and Classification Using Neural Network 2008 , 152-161		1
21	Maximizing the Effective Lifetime of Mobile Ad Hoc Networks. <i>IEICE Transactions on Communications</i> , 2008 , E91-B, 2818-2827	0.5	3
20	Edge Segment-Based Automatic Video Surveillance. <i>Eurasip Journal on Advances in Signal Processing</i> , 2007 , 2008,	1.9	2
19	Contaminated ECG Artifact Detection and Elimination from EEG Using Energy Function Based Transformation 2007 ,		5
18	Background Independent Moving Object Segmentation Using Edge Similarity Measure. <i>Lecture Notes in Computer Science</i> , 2007 , 318-329	0.9	1
17	Suitability of Edge Segment Based Moving Object Detection for Real Time Video Surveillance 2007 , 526-533		
16	A Block Based Moving Object Detection Utilizing the Distribution of Noise. <i>Lecture Notes in Computer Science</i> , 2007 , 645-654	0.9	
15	Reference Independent Moving Object Detection: An Edge Segment Based Approach 2007 , 501-509		2
14	Moving Object Detection for Real Time Video Surveillance: An Edge Based Approach. <i>IEICE Transactions on Communications</i> , 2007 , E90-B, 3654-3664	0.5	24
13	An Edge-Based Moving Object Detection for Video Surveillance. <i>Lecture Notes in Computer Science</i> , 2005 , 485-490	0.9	
12	Visualization of Tooth for 3-D Simulation. <i>Lecture Notes in Computer Science</i> , 2005 , 675-684	0.9	
11	Cost-Effective Lifetime Prediction Based Routing Protocol for MANET. <i>Lecture Notes in Computer Science</i> , 2005 , 170-177	0.9	1
10	Optimizing Lifetime and Routing Cost in Wireless Networks. <i>Lecture Notes in Computer Science</i> , 2005 , 93-98	0.9	

- 9 Moving Object Detection in Dynamic Environment. *Lecture Notes in Computer Science*, **2005**, 359-365 0.9 2
- 8 A quantitative map of human Condensins provides new insights into mitotic chromosome architecture 2
- 7 CTCF, WAPL and PDS5 proteins control the formation of TADs and loops by cohesin 8
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