M Julius Hossain

List of Publications by Citations

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	Topologically associating domains and chromatin loops depend on cohesin and are regulated by CTCF, WAPL, and PDS5 proteins. *EMBO Journal*, **2017**, 36, 3573-3599	13	360
43	Nuclear pore assembly proceeds by an inside-out extrusion of the nuclear envelope. *ELife*, **2016**, 5,	8.9	107
42	A quantitative map of human Condensins provides new insights into mitotic chromosome architecture. *Journal of Cell Biology*, **2018**, 217, 2309-2328	7.3	89
41	Dual-spindle formation in zygotes keeps parental genomes apart in early mammalian embryos. *Science*, **2018**, 361, 189-193	33.3	72
40	Experimental and computational framework for a dynamic protein atlas of human cell division. *Nature*, **2018**, 561, 411-415	50.4	65
39	Determining cellular CTCF and cohesin abundances to constrain 3D genome models. *ELife*, **2019**, 8,	8.9	59
38	Sister chromatid resolution is an intrinsic part of chromosome organization in prophase. *Nature Cell Biology*, **2016**, 18, 692-9	23.4	59
37	Postmitotic nuclear pore assembly proceeds by radial dilation of small membrane openings. *Nature Structural and Molecular Biology*, **2018**, 25, 21-28	17.6	53
36	Live imaging and modeling of inner nuclear membrane targeting reveals its molecular requirements in mammalian cells. *Journal of Cell Biology*, **2015**, 209, 705-20	7.3	53
35	Quantitative mapping of fluorescently tagged cellular proteins using FCS-calibrated four-dimensional imaging. *Nature Protocols*, **2018**, 13, 1445-1464	18.8	41
34	Convective tissue movements play a major role in avian endocardial morphogenesis. *Developmental Biology*, **2012**, 363, 348-61	3.1	36
33	Integration of biological data by kernels on graph nodes allows prediction of new genes involved in mitotic chromosome condensation. *Molecular Biology of the Cell*, **2014**, 25, 2522-36	3.5	36
32	A novel framework for cellular tracking and mitosis detection in dense phase contrast microscopy images. *IEEE Journal of Biomedical and Health Informatics*, **2013**, 17, 642-53	7.2	28
31	Moving Object Detection for Real Time Video Surveillance: An Edge Based Approach. *IEICE Transactions on Communications*, **2007**, E90-B, 3654-3664	0.5	24
30	A Linear Time Algorithm of Computing Hausdorff Distance for Content-based Image Analysis. *Circuits, Systems, and Signal Processing*, **2012**, 31, 389-399	2.2	11
29	A flexible edge matching technique for object detection in dynamic environment. *Applied Intelligence*, **2012**, 36, 638-648	4.9	10
28	Background Independent Moving Object Segmentation for Video Surveillance. *IEICE Transactions on Communications*, **2009**, E92-B, 585-598	0.5	8

27	CTCF, WAPL and PDS5 proteins control the formation of TADs and loops by cohesin		8
26	Three-dimensional superresolution fluorescence microscopy maps the variable molecular architecture of the nuclear pore complex. *Molecular Biology of the Cell*, **2021**, 32, 1523-1533	3.5	7
25	Contaminated ECG Artifact Detection and Elimination from EEG Using Energy Function Based Transformation **2007**,		5
24	Dual spindles assemble in bovine zygotes despite the presence of paternal centrosomes. *Journal of Cell Biology*, **2021**, 220,	7.3	5
23	Quantitative mapping of fluorescently tagged cellular proteins using FCS-calibrated four dimensional imaging		4
22	A Novel Framework for Tracking In-vitro Cells in Time-lapse Phase Contrast Data **2010**,		3
21	Maximizing the Effective Lifetime of Mobile Ad Hoc Networks. *IEICE Transactions on Communications*, **2008**, E91-B, 2818-2827	0.5	3
20	Non-rodent mammalian zygotes assemble dual spindles despite the presence of paternal centrosomes		3
19	Experimental and computational framework for a dynamic protein atlas of human cell division		3
18	Edge Segment-Based Automatic Video Surveillance. *Eurasip Journal on Advances in Signal Processing*, **2007**, 2008,	1.9	2
17	Moving Object Detection in Dynamic Environment. *Lecture Notes in Computer Science*, **2005**, 359-365	0.9	2
16	A quantitative map of human Condensins provides new insights into mitotic chromosome architecture		2
15	Reference Independent Moving Object Detection: An Edge Segment Based Approach **2007**, 501-509		2
14	A quantitative map of nuclear pore assembly reveals two distinct mechanisms		2
13	An active particle-based tracking framework for 2D and 3D time-lapse microscopy images. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 6613-8	0.9	1
12	An Adaptive Motion Segmentation for Automated Video Surveillance. *Eurasip Journal on Advances in Signal Processing*, **2008**, 2008,	1.9	1
11	Background Independent Moving Object Segmentation Using Edge Similarity Measure. *Lecture Notes in Computer Science*, **2007**, 318-329	0.9	1
10	Moving Object Detection and Classification Using Neural Network **2008**, 152-161		1

9	Cost-Effective Lifetime Prediction Based Routing Protocol for MANET. *Lecture Notes in Computer Science*, **2005**, 170-177	0.9	1
8	3D super-resolution fluorescence microscopy maps the variable molecular architecture of the Nuclear Pore Complex		1
7	Dual spindle formation in zygotes keeps parental genomes apart in early mammalian embryos		1
6	Visualizing Nuclear Pore Complex Assembly In Situ in Human Cells at Nanometer Resolution by Correlating Live Imaging with Electron Microscopy.. *Methods in Molecular Biology*, **2022**, 2502, 493-512	1.4	0
5	Suitability of Edge Segment Based Moving Object Detection for Real Time Video Surveillance **2007**, 526-533		
4	An Edge-Based Moving Object Detection for Video Surveillance. *Lecture Notes in Computer Science*, **2005**, 485-490	0.9	
3	Visualization of Tooth for 3-D Simulation. *Lecture Notes in Computer Science*, **2005**, 675-684	0.9	
2	Optimizing Lifetime and Routing Cost in Wireless Networks. *Lecture Notes in Computer Science*, **2005**, 93-98	0.9	
1	A Block Based Moving Object Detection Utilizing the Distribution of Noise. *Lecture Notes in Computer Science*, **2007**, 645-654	0.9	