M Julius Hossain

List of Publications by Year
in descending order

37 papers	1,857 citations	516561 16 h-index	552653 26 g-index
52 all docs	52 docs citations	52 times ranked	2682 citing authors

#	Article	IF	Citations
1	Topologically associating domains and chromatin loops depend on cohesin and are regulated by CTCF, WAPL, and PDS5 proteins. EMBO Journal, 2017, 36, 3573-3599.	3.5	620
2	A quantitative map of human Condensins provides new insights into mitotic chromosome architecture. Journal of Cell Biology, 2018, 217, 2309-2328.	2.3	151
3	Nuclear pore assembly proceeds by an inside-out extrusion of the nuclear envelope. ELife, 2016, 5, .	2.8	143
4	Dual-spindle formation in zygotes keeps parental genomes apart in early mammalian embryos. Science, 2018, 361, 189-193.	6.0	118
5	Determining cellular CTCF and cohesin abundances to constrain 3D genome models. ELife, 2019, 8, .	2.8	103
6	Experimental and computational framework for a dynamic protein atlas of human cell division. Nature, 2018, 561, 411-415.	13.7	98
7	Sister chromatid resolution is an intrinsic part of chromosome organization in prophase. Nature Cell Biology, 2016, 18, 692-699.	4.6	75
8	Postmitotic nuclear pore assembly proceeds by radial dilation of small membrane openings. Nature Structural and Molecular Biology, 2018, 25, 21-28.	3.6	75
9	Live imaging and modeling of inner nuclear membrane targeting reveals its molecular requirements in mammalian cells. Journal of Cell Biology, 2015, 209, 705-720.	2.3	67
10	Quantitative mapping of fluorescently tagged cellular proteins using FCS-calibrated four-dimensional imaging. Nature Protocols, 2018, 13, 1445-1464.	5.5	64
11	Convective tissue movements play a major role in avian endocardial morphogenesis. Developmental Biology, 2012, 363, 348-361.	0.9	55
12	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, 2522-2536.	0.9	44
13	A Novel Framework for Cellular Tracking and Mitosis Detection in Dense Phase Contrast Microscopy Images. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 642-653.	3.9	43
14	Three-dimensional superresolution fluorescence microscopy maps the variable molecular architecture of the nuclear pore complex. Molecular Biology of the Cell, 2021, 32, 1523-1533.	0.9	37
15	Moving Object Detection for Real Time Video Surveillance: An Edge Based Approach. IEICE Transactions on Communications, 2007, E90-B, 3654-3664.	0.4	33
16	Dual spindles assemble in bovine zygotes despite the presence of paternal centrosomes. Journal of Cell Biology, 2021, 220, .	2.3	23
17	A Linear Time Algorithm of Computing Hausdorff Distance for Content-based Image Analysis. Circuits, Systems, and Signal Processing, 2012, 31, 389-399.	1.2	15
18	A flexible edge matching technique for object detection inÂdynamic environment. Applied Intelligence, 2012, 36, 638-648.	3.3	13

#	Article	IF	Citations
19	Background Independent Moving Object Segmentation for Video Surveillance. IEICE Transactions on Communications, 2009, E92-B, 585-598.	0.4	9
20	Maximizing the Effective Lifetime of Mobile Ad Hoc Networks. IEICE Transactions on Communications, 2008, E91-B, 2818-2827.	0.4	6
21	Contaminated ECG Artifact Detection and Elimination from EEG Using Energy Function Based Transformation. , 2007, , .		5
22	Edge Segment-Based Automatic Video Surveillance. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.0	4
23	A Novel Framework for Tracking In-vitro Cells in Time-lapse Phase Contrast Data. , 2010, , .		3
24	Moving Object Detection in Dynamic Environment. Lecture Notes in Computer Science, 2005, , 359-365.	1.0	3
25	Segmentation of moving object for content based applications. , 2009, , .		2
26	Reference Independent Moving Object Detection: An Edge Segment Based Approach. , 2007, , 501-509.		2
27	Cost-Effective Lifetime Prediction Based Routing Protocol for MANET. Lecture Notes in Computer Science, 2005, , 170-177.	1.0	2
28	An Adaptive Motion Segmentation for Automated Video Surveillance. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	1
29	An active particle-based tracking framework for 2D and 3D time-lapse microscopy images. , 2011, 2011, 6613-8.		1
30	A Block Based Moving Object Detection Utilizing the Distribution of Noise. Lecture Notes in Computer Science, 2007, , 645-654.	1.0	1
31	VISUALIZATION OF TOOTH FOR NON DESTRUCTIVE EVALUATION. , 2008, , .		1
32	Background Independent Moving Object Segmentation Using Edge Similarity Measure. Lecture Notes in Computer Science, 2007, , 318-329.	1.0	1
33	Moving Object Detection and Classification Using Neural Network. , 2008, , 152-161.		1
34	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.	0.4	1
35	Keynote speaker: An experimental and computational framework to build a dynamic protein atlas for human cell division. , 2017, , .		0
36	An Edge-Based Moving Object Detection for Video Surveillance. Lecture Notes in Computer Science, 2005, , 485-490.	1.0	0

#	Article	IF	Citations
37	Suitability of Edge Segment Based Moving Object Detection for Real Time Video Surveillance. , 2007, , 526-533.		0