Khaled A Khairy

List of Publications by Year
in descending order

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Version: 2024-02-01

28 papers	3,426 citations	471061 17 h-index	642321 23 g-index
33 all docs	33 docs citations	33 times ranked	4140 citing authors

#	Article	IF	Citations
1	A Complete Electron Microscopy Volume of the Brain of Adult Drosophila melanogaster. Cell, 2018, 174, 730-743.e22.	13.5	731
2	A connectome and analysis of the adult Drosophila central brain. ELife, 2020, 9, .	2.8	596
3	Fast, high-contrast imaging of animal development with scanned light sheetâ€“based structured-illumination microscopy. Nature Methods, 2010, 7, 637-642.	9.0	515
4	Quantitative high-speed imaging of entire developing embryos with simultaneous multiview light-sheet microscopy. Nature Methods, 2012, 9, 755-763.	9.0	487
5	Molecular-scale Topographic Cues Induce the Orientation and Directional Movement of Fibroblasts on Two-dimensional Collagen Surfaces. Journal of Molecular Biology, 2005, 349, 380-386.	2.0	118
6	Drawing an elephant with four complex parameters. American Journal of Physics, 2010, 78, 648-649.	0.3	116
7	Shapes of Red Blood Cells: Comparison of 3D Confocal Images with the Bilayer-Couple Model. Cellular and Molecular Bioengineering, 2008, 1, 173-181.	1.0	98
8	Membrane Invaginations Reveal Cortical Sites that Pull on Mitotic Spindles in One-Cell C. elegans Embryos. PLoS ONE, 2010, 5, e12301.	1.1	96
9	Reconstructing embryonic development. Genesis, 2011, 49, 488-513.	0.8	70
10	Phase Separation Mediates NUP98 Fusion Oncoprotein Leukemic Transformation. Cancer Discovery, 2022, 12, 1152-1169.	7.7	68
11	Calculating Slow-Motional Electron Paramagnetic Resonance Spectra from Molecular Dynamics Using a Diffusion Operator Approach. Journal of Physical Chemistry A, 2006, 110, 3703-3713.	1.1	66
12	Shedding light on the system: studying embryonic development with light sheet microscopy. Current Opinion in Genetics and Development, 2011, 21, 558-565.	1.5	65
13	A community-developed open-source computational ecosystem for big neuro data. Nature Methods, 2018, 15, 846-847.	9.0	51
14	Creating nanoscopic collagen matrices using atomic force microscopy. Microscopy Research and Technique, 2004, 64, 435-440.	1.2	43
15	Minimum-energy vesicle and cell shapes calculated using spherical harmonics parameterization. Soft Matter, 2011, 7, 2138.	1.2	40
16	Light Sheet Microscopy in Cell Biology. Methods in Molecular Biology, 2012, 931, 123-137.	0.4	23
17	Spherical harmonics-based parametric deconvolution of 3D surface images using bending energy minimization. Medical Image Analysis, 2008, 12, 217-227.	7.0	22
18	A Preferred Curvature-Based Continuum Mechanics Framework for Modeling Embryogenesis. Biophysical Journal, 2018, 114, 267-277.	0.2	13

#	Article	IF	Citations
19	Nonlinear-least-squares analysis of slow motional regime EPR spectra. Journal of Magnetic Resonance, 2006, 183, 152-159.	1.2	11
20	Detection of Deformable Objects in 3D Images Using Markov-Chain Monte Carlo and Spherical Harmonics. Lecture Notes in Computer Science, 2008, 11, 1075-1082.	1.0	8
21	Light Sheet-Based Imaging and Analysis of Early Embryogenesis in the Fruit Fly. Methods in Molecular Biology, 2015, 1189, 79-97.	0.4	7
22	An Image Analysis Pipeline for Quantifying the Features of Fluorescently-Labeled Biomolecular Condensates in Cells. Frontiers in Bioinformatics, 0, 2, .	1.0	6
23	A Comprehensive Analysis of Cerebellar Volumes in the 22q11.2 Deletion Syndrome. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 79-90.	1.1	5
24	Simulation of Slow Motion EPR Spectra with a General Hindering Potential Expanded in Spherical Harmonics. Biophysical Journal, 2009, 96, 311a.	0.2	2
25	Deformable Registration of Whole Brain Zebrafish Microscopy Using an Implementation of the Flash Algorithm Within Ants. , 2019, , .		1
26	Segmentation-Less 3D Quantitative Image Analysis of Tissue Architecture with Application to the Localization of Organelles in MDCK Cysts. Biophysical Journal, 2009, 96, 297a-298a.	0.2	0
27	Understanding the mechanism of TCF3-HLF fusion oncoprotein-driven leukemogenesis. Biophysical Journal, 2022, 121, 356a.	0.2	0
28	The role of phase separation by NUP98 fusion oncoproteins in leukemia. Biophysical Journal, 2022, 121, 357a.	0.2	0