

Khaled A Khairy

List of Publications by Year in descending order

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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 Comprehensive Analysis of Cerebellar Volumes in the 22q11.2 Deletion Syndrome. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2023, 8, 79-90.	1.1	5
2	Understanding the mechanism of TCF3-HLF fusion oncoprotein-driven leukemogenesis. <i>Biophysical Journal</i> , 2022, 121, 356a.	0.2	0
3	The role of phase separation by NUP98 fusion oncoproteins in leukemia. <i>Biophysical Journal</i> , 2022, 121, 357a.	0.2	0
4	Phase Separation Mediates NUP98 Fusion Oncoprotein Leukemic Transformation. <i>Cancer Discovery</i> , 2022, 12, 1152-1169.	7.7	68
5	A connectome and analysis of the adult <i>Drosophila</i> central brain. <i>ELife</i> , 2020, 9, .	2.8	596
6	Deformable Registration of Whole Brain Zebrafish Microscopy Using an Implementation of the Flash Algorithm Within Ants. , 2019, , .		1
7	A Preferred Curvature-Based Continuum Mechanics Framework for Modeling Embryogenesis. <i>Biophysical Journal</i> , 2018, 114, 267-277.	0.2	13
8	A community-developed open-source computational ecosystem for big neuro data. <i>Nature Methods</i> , 2018, 15, 846-847.	9.0	51
9	A Complete Electron Microscopy Volume of the Brain of Adult <i>Drosophila melanogaster</i> . <i>Cell</i> , 2018, 174, 730-743.e22.	13.5	731
10	Light Sheet-Based Imaging and Analysis of Early Embryogenesis in the Fruit Fly. <i>Methods in Molecular Biology</i> , 2015, 1189, 79-97.	0.4	7
11	Light Sheet Microscopy in Cell Biology. <i>Methods in Molecular Biology</i> , 2012, 931, 123-137.	0.4	23
12	Quantitative high-speed imaging of entire developing embryos with simultaneous multiview light-sheet microscopy. <i>Nature Methods</i> , 2012, 9, 755-763.	9.0	487
13	Minimum-energy vesicle and cell shapes calculated using spherical harmonics parameterization. <i>Soft Matter</i> , 2011, 7, 2138.	1.2	40
14	Shedding light on the system: studying embryonic development with light sheet microscopy. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 558-565.	1.5	65
15	Reconstructing embryonic development. <i>Genesis</i> , 2011, 49, 488-513.	0.8	70
16	Fast, high-contrast imaging of animal development with scanned light sheet-based structured-illumination microscopy. <i>Nature Methods</i> , 2010, 7, 637-642.	9.0	515
17	Drawing an elephant with four complex parameters. <i>American Journal of Physics</i> , 2010, 78, 648-649.	0.3	116
18	Membrane Invaginations Reveal Cortical Sites that Pull on Mitotic Spindles in One-Cell <i>C. elegans</i> Embryos. <i>PLoS ONE</i> , 2010, 5, e12301.	1.1	96

#	ARTICLE	IF	CITATIONS
19	Simulation of Slow Motion EPR Spectra with a General Hindering Potential Expanded in Spherical Harmonics. <i>Biophysical Journal</i> , 2009, 96, 311a.	0.2	2
20	Segmentation-Less 3D Quantitative Image Analysis of Tissue Architecture with Application to the Localization of Organelles in MDCK Cysts. <i>Biophysical Journal</i> , 2009, 96, 297a-298a.	0.2	0
21	Shapes of Red Blood Cells: Comparison of 3D Confocal Images with the Bilayer-Couple Model. <i>Cellular and Molecular Bioengineering</i> , 2008, 1, 173-181.	1.0	98
22	Spherical harmonics-based parametric deconvolution of 3D surface images using bending energy minimization. <i>Medical Image Analysis</i> , 2008, 12, 217-227.	7.0	22
23	Detection of Deformable Objects in 3D Images Using Markov-Chain Monte Carlo and Spherical Harmonics. <i>Lecture Notes in Computer Science</i> , 2008, 11, 1075-1082.	1.0	8
24	Calculating Slow-Motional Electron Paramagnetic Resonance Spectra from Molecular Dynamics Using a Diffusion Operator Approach. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3703-3713.	1.1	66
25	Nonlinear-least-squares analysis of slow motional regime EPR spectra. <i>Journal of Magnetic Resonance</i> , 2006, 183, 152-159.	1.2	11
26	Molecular-scale Topographic Cues Induce the Orientation and Directional Movement of Fibroblasts on Two-dimensional Collagen Surfaces. <i>Journal of Molecular Biology</i> , 2005, 349, 380-386.	2.0	118
27	Creating nanoscopic collagen matrices using atomic force microscopy. <i>Microscopy Research and Technique</i> , 2004, 64, 435-440.	1.2	43
28	An Image Analysis Pipeline for Quantifying the Features of Fluorescently-Labeled Biomolecular Condensates in Cells. <i>Frontiers in Bioinformatics</i> , 0, 2, .	1.0	6