

Luay M Almassalha

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,097
citations

687363

13
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

1563
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromatin histone modifications and rigidity affect nuclear morphology independent of lamins. <i>Molecular Biology of the Cell</i> , 2018, 29, 220-233.	2.1	257
2	<i>Clostridium difficile</i> Ribotype Does Not Predict Severe Infection. <i>Clinical Infectious Diseases</i> , 2012, 55, 1661-1668.	5.8	172
3	Super-resolution spectroscopic microscopy via photon localization. <i>Nature Communications</i> , 2016, 7, 12290.	12.8	91
4	Physicochemical mechanotransduction alters nuclear shape and mechanics via heterochromatin formation. <i>Molecular Biology of the Cell</i> , 2019, 30, 2320-2330.	2.1	77
5	The effects of chemical fixation on the cellular nanostructure. <i>Experimental Cell Research</i> , 2017, 358, 253-259.	2.6	64
6	Label-free imaging of the native, living cellular nanoarchitecture using partial-wave spectroscopic microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6372-E6381.	7.1	56
7	Superresolution intrinsic fluorescence imaging of chromatin utilizing native, unmodified nucleic acids for contrast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9716-9721.	7.1	56
8	Macrogenomic engineering via modulation of the scaling of chromatin packing density. <i>Nature Biomedical Engineering</i> , 2017, 1, 902-913.	22.5	47
9	Nanoscale chromatin imaging and analysis platform bridges 4D chromatin organization with molecular function. <i>Science Advances</i> , 2021, 7, .	10.3	37
10	Disordered chromatin packing regulates phenotypic plasticity. <i>Science Advances</i> , 2020, 6, eaax6232.	10.3	34
11	Physical and data structure of 3D genome. <i>Science Advances</i> , 2020, 6, eaay4055.	10.3	32
12	The Greater Genomic Landscape: The Heterogeneous Evolution of Cancer. <i>Cancer Research</i> , 2016, 76, 5605-5609.	0.9	25
13	Spectral contrast optical coherence tomography angiography enables single-scan vessel imaging. <i>Light: Science and Applications</i> , 2019, 8, 7.	16.6	24
14	Analysis of three-dimensional chromatin packing domains by chromatin scanning transmission electron microscopy (ChromSTEM). <i>Scientific Reports</i> , 2022, 12, .	3.3	18
15	Multimodal interference-based imaging of nanoscale structure and macromolecular motion uncovers UV induced cellular paroxysm. <i>Nature Communications</i> , 2019, 10, 1652.	12.8	16
16	Dynamic Crowding Regulates Transcription. <i>Biophysical Journal</i> , 2020, 118, 2117-2129.	0.5	15
17	Colocalization of cellular nanostructure using confocal fluorescence and partial wave spectroscopy. <i>Journal of Biophotonics</i> , 2017, 10, 377-384.	2.3	13
18	Correlating colorectal cancer risk with field carcinogenesis progression using partial wave spectroscopic microscopy. <i>Cancer Medicine</i> , 2018, 7, 2109-2120.	2.8	12

#	ARTICLE	IF	CITATIONS
19	Higher Order Chromatin Modulator Cohesin SA1 Is an Early Biomarker for Colon Carcinogenesis: Race-Specific Implications. <i>Cancer Prevention Research</i> , 2016, 9, 844-854.	1.5	11
20	Measuring Nanoscale Chromatin Heterogeneity with Partial Wave Spectroscopic Microscopy. <i>Methods in Molecular Biology</i> , 2018, 1745, 337-360.	0.9	10
21	The transformation of the nuclear nanoarchitecture in human field carcinogenesis. <i>Future Science OA</i> , 2017, 3, FSO206.	1.9	8
22	Physicochemical mechanotransduction alters nuclear shape and mechanics via heterochromatin formation. <i>Molecular Biology of the Cell</i> , 2019, , mbc.E19-05-0286.	2.1	6
23	Preservation of cellular nano-architecture by the process of chemical fixation for nanopathology. <i>PLoS ONE</i> , 2019, 14, e0219006.	2.5	4
24	Label free localization of nanoparticles in live cancer cells using spectroscopic microscopy. <i>Nanoscale</i> , 2018, 10, 19125-19130.	5.6	3
25	Nuclear Blebbing Solely as a Function of Chromatin Compaction State. <i>FASEB Journal</i> , 2017, 31, lb237.	0.5	0