

John M Heddleston

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

4,640
citations

304368

22
h-index

500791

28
g-index

30
all docs

30
docs citations

30
times ranked

8007
citing authors

#	ARTICLE	IF	CITATIONS
1	The hypoxic microenvironment maintains glioblastoma stem cells and promotes reprogramming towards a cancer stem cell phenotype. <i>Cell Cycle</i> , 2009, 8, 3274-3284.	1.3	708
2	Integrin Alpha 6 Regulates Glioblastoma Stem Cells. <i>Cell Stem Cell</i> , 2010, 6, 421-432.	5.2	597
3	BAK/BAX macropores facilitate mitochondrial herniation and mtDNA efflux during apoptosis. <i>Science</i> , 2018, 359, .	6.0	581
4	HIF Induces Human Embryonic Stem Cell Markers in Cancer Cells. <i>Cancer Research</i> , 2011, 71, 4640-4652.	0.4	473
5	High-speed coherent Raman fingerprint imaging of biological tissues. <i>Nature Photonics</i> , 2014, 8, 627-634.	15.6	358
6	Targeting Interleukin 6 Signaling Suppresses Glioma Stem Cell Survival and Tumor Growth. <i>Stem Cells</i> , 2009, 27, 2393-2404.	1.4	300
7	Nonreceptor Tyrosine Kinase BMX Maintains Self-Renewal and Tumorigenic Potential of Glioblastoma Stem Cells by Activating STAT3. <i>Cancer Cell</i> , 2011, 19, 498-511.	7.7	233
8	Deadly Teamwork: Neural Cancer Stem Cells and the Tumor Microenvironment. <i>Cell Stem Cell</i> , 2011, 8, 482-485.	5.2	218
9	Cytoskeletal actin dynamics shape a ramifying actin network underpinning immunological synapse formation. <i>Science Advances</i> , 2017, 3, e1603032.	4.7	143
10	Targeting A20 Decreases Glioma Stem Cell Survival and Tumor Growth. <i>PLoS Biology</i> , 2010, 8, e1000319.	2.6	117
11	A Moving Source of Matrix Components Is Essential for De Novo Basement Membrane Formation. <i>Current Biology</i> , 2017, 27, 3526-3534.e4.	1.8	94
12	Interfacial actin protrusions mechanically enhance killing by cytotoxic T cells. <i>Science Immunology</i> , 2019, 4, .	5.6	93
13	Actin cables and comet tails organize mitochondrial networks in mitosis. <i>Nature</i> , 2021, 591, 659-664.	13.7	92
14	Macropinosome formation by tent pole ruffling in macrophages. <i>Journal of Cell Biology</i> , 2018, 217, 3873-3885.	2.3	90
15	Histone H3K27 acetylation precedes active transcription during zebrafish zygotic genome activation as revealed by live-cell analysis. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	81
16	Glioma Stem Cell Maintenance: The Role of the Microenvironment. <i>Current Pharmaceutical Design</i> , 2011, 17, 2386-2401.	0.9	76
17	Membrane-cytoskeletal crosstalk mediated by myosin-I regulates adhesion turnover during phagocytosis. <i>Nature Communications</i> , 2019, 10, 1249.	5.8	64
18	Multicomponent Chemical Imaging of Pharmaceutical Solid Dosage Forms with Broadband CARS Microscopy. <i>Analytical Chemistry</i> , 2013, 85, 8102-8111.	3.2	59

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19	Developmentally programmed germ cell remodelling by endodermal cell cannibalism. <i>Nature Cell Biology</i> , 2016, 18, 1302-1310.	4.6	56
20	High-resolution live imaging reveals axon-glia interactions during peripheral nerve injury and repair in zebrafish. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 553-564.	1.2	41
21	A guide to accurate reporting in digital image acquisition “can anyone replicate your microscopy data?”. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	35
22	Frontline Science: Dynamic cellular and subcellular features of migrating leukocytes revealed by in vivo lattice lightsheet microscopy. <i>Journal of Leukocyte Biology</i> , 2020, 108, 455-468.	1.5	34
23	Software for lattice light-sheet imaging of FRET biosensors, illustrated with a new Rap1 biosensor. <i>Journal of Cell Biology</i> , 2019, 218, 3153-3160.	2.3	32
24	FMNL2 regulates dynamics of fascin in filopodia. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	30
25	Endothelial junctional membrane protrusions serve as hotspots for neutrophil transmigration. <i>ELife</i> , 2021, 10, .	2.8	20
26	Visualizing the Invisible: Advanced Optical Microscopy as a Tool to Measure Biomechanical Forces. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 706126.	1.8	6
27	The level of oncogenic Ras determines the malignant transformation of Lkb1 mutant tissue in vivo. <i>Communications Biology</i> , 2021, 4, 142.	2.0	5
28	Quantifying Molecular Dynamics within Complex Cellular Morphologies using LLSM-FRAP. <i>Small Methods</i> , 2022, 6, e2200149.	4.6	4