

Adam C Martin

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

4,281
citations

279487

23
h-index

276539

41
g-index

53
all docs

53
docs citations

53
times ranked

3004
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular Tension and Tissue Morphogenesis. , 2021, , 317-325.		1
2	Dynamics of hydraulic and contractile wave-mediated fluid transport during <i>Drosophila</i> oogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	21
3	Actin-based force generation and cell adhesion in tissue morphogenesis. Current Biology, 2021, 31, R667-R680.	1.8	69
4	Combinatorial patterns of graded RhoA activation and uniform F-actin depletion promote tissue curvature. Development (Cambridge), 2021, 148, .	1.2	24
5	The nature of cell division forces in epithelial monolayers. Journal of Cell Biology, 2021, 220, .	2.3	15
6	Apical Constriction Reversal upon Mitotic Entry Underlies Different Morphogenetic Outcomes of Cell Division. Molecular Biology of the Cell, 2020, 31, 1663-1674.	0.9	14
7	The Physical Mechanisms of <i>Drosophila</i> Gastrulation: Mesoderm and Endoderm Invagination. Genetics, 2020, 214, 543-560.	1.2	38
8	Self-organized cytoskeletal alignment during <i>Drosophila</i> mesoderm invagination. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190551.	1.8	3
9	The cellular and molecular mechanisms that establish the mechanics of <i>Drosophila</i> gastrulation. Current Topics in Developmental Biology, 2020, 136, 141-165.	1.0	18
10	Divergent and combinatorial mechanical strategies that promote epithelial folding during morphogenesis. Current Opinion in Genetics and Development, 2020, 63, 24-29.	1.5	7
11	Structural Redundancy in Supracellular Actomyosin Networks Enables Robust Tissue Folding. Developmental Cell, 2019, 50, 586-598.e3.	3.1	61
12	Microtubules promote intercellular contractile force transmission during tissue folding. Journal of Cell Biology, 2019, 218, 2726-2742.	2.3	40
13	ZnUMBA Crosses the Border. Developmental Cell, 2019, 48, 423-424.	3.1	0
14	Modular regulation of Rho family GTPases in development. Small GTPases, 2019, 10, 122-129.	0.7	34
15	Geometric constraints during epithelial jamming. Nature Physics, 2018, 14, 613-620.	6.5	196
16	Quantitative analysis of cell shape and the cytoskeleton in developmental biology. Wiley Interdisciplinary Reviews: Developmental Biology, 2018, 7, e333.	5.9	8
17	Actomyosin meshwork mechanosensing enables tissue shape to orient cell force. Nature Communications, 2017, 8, 15014.	5.8	125
18	Actomyosin-based tissue folding requires a multicellular myosin gradient. Development (Cambridge), 2017, 144, 1876-1886.	1.2	79

#	ARTICLE	IF	CITATIONS
19	Actomyosin Pulsing in Tissue Integrity Maintenance during Morphogenesis. <i>Trends in Cell Biology</i> , 2017, 27, 276-283.	3.6	57
20	Myosin 2-Induced Mitotic Rounding Enables Columnar Epithelial Cells to Interpret Cortical Spindle Positioning Cues. <i>Current Biology</i> , 2017, 27, 3350-3358.e3.	1.8	49
21	Tension, contraction and tissue morphogenesis. <i>Development (Cambridge)</i> , 2017, 144, 4249-4260.	1.2	161
22	Actomyosin-based tissue folding requires a multicellular myosin gradient. <i>Journal of Cell Science</i> , 2017, 130, e1.2-e1.2.	1.2	3
23	Epithelial Contractility: A Crowning Achievement. <i>Developmental Cell</i> , 2016, 37, 3-4.	3.1	1
24	Abl suppresses cell extrusion and intercalation during epithelium folding. <i>Molecular Biology of the Cell</i> , 2016, 27, 2822-2832.	0.9	12
25	Loss of G _{12/13} exacerbates apical area dependence of actomyosin contractility. <i>Molecular Biology of the Cell</i> , 2016, 27, 3526-3536.	0.9	16
26	Force transmission in epithelial tissues. <i>Developmental Dynamics</i> , 2016, 245, 361-371.	0.8	46
27	RhoA GTPase inhibition organizes contraction during epithelial morphogenesis. <i>Journal of Cell Biology</i> , 2016, 214, 603-617.	2.3	134
28	Apical Sarcomere-like Actomyosin Contracts Nonmuscle <i>Drosophila</i> Epithelial Cells. <i>Developmental Cell</i> , 2016, 39, 346-358.	3.1	80
29	<i>Drosophila</i> non-muscle myosin II motor activity determines the rate of tissue folding. <i>ELife</i> , 2016, 5, .	2.8	50
30	<i>Drosophila</i> comes of age as a model system for understanding the function of cytoskeletal proteins in cells, tissues, and organisms. <i>Cytoskeleton</i> , 2015, 72, 207-224.	1.0	13
31	Intracellular signalling and intercellular coupling coordinate heterogeneous contractile events to facilitate tissue folding. <i>Nature Communications</i> , 2015, 6, 7161.	5.8	69
32	Stable Force Balance between Epithelial Cells Arises from F-Actin Turnover. <i>Developmental Cell</i> , 2015, 35, 685-697.	3.1	102
33	Death drags down the neighbourhood. <i>Nature</i> , 2015, 518, 171-173.	13.7	1
34	Crumbling under Pressure. <i>Developmental Cell</i> , 2015, 33, 122-124.	3.1	1
35	Mechanical Force Sensing in Tissues. <i>Progress in Molecular Biology and Translational Science</i> , 2014, 126, 317-352.	0.9	86
36	Apical constriction: themes and variations on a cellular mechanism driving morphogenesis. <i>Development (Cambridge)</i> , 2014, 141, 1987-1998.	1.2	402

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37	Dynamic myosin phosphorylation regulates contractile pulses and tissue integrity during epithelial morphogenesis. <i>Journal of Cell Biology</i> , 2014, 206, 435-450.	2.3	137
38	Apical domain polarization localizes actin-myosin activity to drive ratchet-like apical constriction. <i>Nature Cell Biology</i> , 2013, 15, 926-936.	4.6	224
39	Volume conservation principle involved in cell lengthening and nucleus movement during tissue morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19298-19303.	3.3	127
40	Integration of contractile forces during tissue invagination. <i>Journal of Cell Biology</i> , 2010, 188, 735-749.	2.3	495
41	Pulsation and stabilization: Contractile forces that underlie morphogenesis. <i>Developmental Biology</i> , 2010, 341, 114-125.	0.9	147
42	Pulsed contractions of an actin-myosin network drive apical constriction. <i>Nature</i> , 2009, 457, 495-499.	13.7	1,089
43	Morphogenetic forces planar polarize LGN/Pins in the embryonic head during <i>Drosophila</i> gastrulation. <i>ELife</i> , 0, 11, .	2.8	6