

Guy B Blanchard

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,958
citations

361413

20
h-index

501196

28
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47
all docs

47
docs citations

47
times ranked

1617
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion-regulated junction slippage controls cell intercalation dynamics in an Apposed-Cortex Adhesion Model. PLoS Computational Biology, 2022, 18, e1009812.	3.2	9
2	Embryo-scale epithelial buckling forms a propagating furrow that initiates gastrulation. Nature Communications, 2022, 13, .	12.8	22
3	Correct regionalization of a tissue primordium is essential for coordinated morphogenesis. ELife, 2021, 10, .	6.0	4
4	Accelerating drug development for neuroblastoma: Summary of the Second Neuroblastoma Drug Development Strategy forum from Innovative Therapies for Children with Cancer and International Society of Paediatric Oncology Europe Neuroblastoma. European Journal of Cancer, 2020, 136, 52-68.	2.8	42
5	The devil is in the mesoscale: Mechanical and behavioural heterogeneity in collective cell movement. Seminars in Cell and Developmental Biology, 2019, 93, 46-54.	5.0	33
6	The tricellular vertex-specific adhesion molecule Sidekick facilitates polarised cell intercalation during Drosophila axis extension. PLoS Biology, 2019, 17, e3000522.	5.6	54
7	Title is missing!. , 2019, 17, e3000522.		0
8	Title is missing!. , 2019, 17, e3000522.		0
9	Title is missing!. , 2019, 17, e3000522.		0
10	Title is missing!. , 2019, 17, e3000522.		0
11	Title is missing!. , 2019, 17, e3000522.		0
12	Title is missing!. , 2019, 17, e3000522.		0
13	Actomyosin-Driven Tension at Compartmental Boundaries Orients Cell Division Independently of Cell Geometry In Vivo. Developmental Cell, 2018, 47, 727-740.e6.	7.0	72
14	A 3D cell shape that enables tube formation. Nature, 2018, 561, 182-183.	27.8	7
15	Radially patterned cell behaviours during tube budding from an epithelium. ELife, 2018, 7, .	6.0	74
16	From pulsatile apicomedial contractility to effective epithelial mechanics. Current Opinion in Genetics and Development, 2018, 51, 78-87.	3.3	18
17	Taking the strain: quantifying the contributions of all cell behaviours to changes in epithelial shape. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20150513.	4.0	16
18	Geometry can provide long-range mechanical guidance for embryogenesis. PLoS Computational Biology, 2017, 13, e1005443.	3.2	42

#	ARTICLE	IF	CITATIONS
19	Unipolar distributions of junctional Myosin II identify cell stripe boundaries that drive cell intercalation throughout <i>Drosophila</i> axis extension. <i>ELife</i> , 2016, 5, .	6.0	95
20	Emergent material properties of developing epithelial tissues. <i>BMC Biology</i> , 2015, 13, 98.	3.8	32
21	Mechanical Coupling between Endoderm Invagination and Axis Extension in <i>Drosophila</i> . <i>PLoS Biology</i> , 2015, 13, e1002292.	5.6	128
22	Contractile and Mechanical Properties of Epithelia with Perturbed Actomyosin Dynamics. <i>PLoS ONE</i> , 2014, 9, e95695.	2.5	38
23	Cytoskeletal turnover and Myosin contractility drive cell autonomous oscillations in a model of <i>Drosophila</i> Dorsal Closure. <i>European Physical Journal: Special Topics</i> , 2014, 223, 1391-1402.	2.6	19
24	Meeting report-3rd Neuroblastoma Research Symposium, Liverpool, 6-7th November, 2013. <i>Pediatric Blood and Cancer</i> , 2014, 61, 1711-1713.	1.5	3
25	A Dynamic Microtubule Cytoskeleton Directs Medial Actomyosin Function during Tube Formation. <i>Developmental Cell</i> , 2014, 29, 562-576.	7.0	92
26	Measuring the multi-scale integration of mechanical forces during morphogenesis. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 653-663.	3.3	28
27	Dynamics of actomyosin contractile activity during epithelial morphogenesis. <i>Current Opinion in Cell Biology</i> , 2011, 23, 531-539.	5.4	101
28	Integrative approaches to morphogenesis: Lessons from dorsal closure. <i>Genesis</i> , 2011, 49, 522-533.	1.6	46
29	Cytoskeletal dynamics and supracellular organisation of cell shape fluctuations during dorsal closure. <i>Development (Cambridge)</i> , 2010, 137, 2743-2752.	2.5	213
30	Cytoskeletal dynamics and supracellular organisation of cell shape fluctuations during dorsal closure. <i>Journal of Cell Science</i> , 2010, 123, e1-e1.	2.0	0
31	Cell shape changes indicate a role for extrinsic tensile forces in <i>Drosophila</i> germ-band extension. <i>Nature Cell Biology</i> , 2009, 11, 859-864.	10.3	227
32	Tissue tectonics: morphogenetic strain rates, cell shape change and intercalation. <i>Nature Methods</i> , 2009, 6, 458-464.	19.0	241
33	Mechanical control of global cell behaviour during dorsal closure in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2009, 136, 1889-1898.	2.5	130
34	A dynamic fate map of the forebrain shows how vertebrate eyes form and explains two causes of cyclopia. <i>Development (Cambridge)</i> , 2006, 133, 4613-4617.	2.5	120
35	Gaseous Templates in Ant Nests. <i>Journal of Theoretical Biology</i> , 2000, 204, 223-238.	1.7	32