

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
g-index

47
all docs

47
docs citations

47
times ranked

1617
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue tectonics: morphogenetic strain rates, cell shape change and intercalation. <i>Nature Methods</i> , 2009, 6, 458-464.	19.0	241
2	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
3	Cytoskeletal dynamics and supracellular organisation of cell shape fluctuations during dorsal closure. <i>Development (Cambridge)</i> , 2010, 137, 2743-2752.	2.5	213
4	Mechanical control of global cell behaviour during dorsal closure in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2009, 136, 1889-1898.	2.5	130
5	Mechanical Coupling between Endoderm Invagination and Axis Extension in <i>Drosophila</i> . <i>PLoS Biology</i> , 2015, 13, e1002292.	5.6	128
6	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
7	Dynamics of actomyosin contractile activity during epithelial morphogenesis. <i>Current Opinion in Cell Biology</i> , 2011, 23, 531-539.	5.4	101
8	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
9	A Dynamic Microtubule Cytoskeleton Directs Medial Actomyosin Function during Tube Formation. <i>Developmental Cell</i> , 2014, 29, 562-576.	7.0	92
10	Radially patterned cell behaviours during tube budding from an epithelium. <i>ELife</i> , 2018, 7, .	6.0	74
11	Actomyosin-Driven Tension at Compartmental Boundaries Orients Cell Division Independently of Cell Geometry In Vivo. <i>Developmental Cell</i> , 2018, 47, 727-740.e6.	7.0	72
12	The tricellular vertex-specific adhesion molecule Sidekick facilitates polarised cell intercalation during <i>Drosophila</i> axis extension. <i>PLoS Biology</i> , 2019, 17, e3000522.	5.6	54
13	Integrative approaches to morphogenesis: Lessons from dorsal closure. <i>Genesis</i> , 2011, 49, 522-533.	1.6	46
14	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. <i>European Journal of Cancer</i> , 2020, 136, 52-68.	2.8	42
15	Geometry can provide long-range mechanical guidance for embryogenesis. <i>PLoS Computational Biology</i> , 2017, 13, e1005443.	3.2	42
16	Contractile and Mechanical Properties of Epithelia with Perturbed Actomyosin Dynamics. <i>PLoS ONE</i> , 2014, 9, e95695.	2.5	38
17	The devil is in the mesoscale: Mechanical and behavioural heterogeneity in collective cell movement. <i>Seminars in Cell and Developmental Biology</i> , 2019, 93, 46-54.	5.0	33
18	Gaseous Templates in Ant Nests. <i>Journal of Theoretical Biology</i> , 2000, 204, 223-238.	1.7	32

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19	Emergent material properties of developing epithelial tissues. BMC Biology, 2015, 13, 98.	3.8	32
20	Measuring the multi-scale integration of mechanical forces during morphogenesis. Current Opinion in Genetics and Development, 2011, 21, 653-663.	3.3	28
21	Embryo-scale epithelial buckling forms a propagating furrow that initiates gastrulation. Nature Communications, 2022, 13, .	12.8	22
22	Cytoskeletal turnover and Myosin contractility drive cell autonomous oscillations in a model of Drosophila Dorsal Closure. European Physical Journal: Special Topics, 2014, 223, 1391-1402.	2.6	19
23	From pulsatile apicomedial contractility to effective epithelial mechanics. Current Opinion in Genetics and Development, 2018, 51, 78-87.	3.3	18
24	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
25	Adhesion-regulated junction slippage controls cell intercalation dynamics in an Apposed-Cortex Adhesion Model. PLoS Computational Biology, 2022, 18, e1009812.	3.2	9
26	A 3D cell shape that enables tube formation. Nature, 2018, 561, 182-183.	27.8	7
27	Correct regionalization of a tissue primordium is essential for coordinated morphogenesis. ELife, 2021, 10, .	6.0	4
28	Meeting report-3rd Neuroblastoma Research Symposium, Liverpool, 6-7th November, 2013. Pediatric Blood and Cancer, 2014, 61, 1711-1713.	1.5	3
29	Cytoskeletal dynamics and supracellular organisation of cell shape fluctuations during dorsal closure. Journal of Cell Science, 2010, 123, e1-e1.	2.0	0
30	Title is missing!. , 2019, 17, e3000522.		0
31	Title is missing!. , 2019, 17, e3000522.		0
32	Title is missing!. , 2019, 17, e3000522.		0
33	Title is missing!. , 2019, 17, e3000522.		0
34	Title is missing!. , 2019, 17, e3000522.		0
35	Title is missing!. , 2019, 17, e3000522.		0