

# Darren Gilmour

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

5,030  
citations

516710

16  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

6739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Collective cell migration in morphogenesis, regeneration and cancer. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 445-457.	37.0	2,170
2	Chemokine Signaling Mediates Self-Organizing Tissue Migration in the Zebrafish Lateral Line. <i>Developmental Cell</i> , 2006, 10, 673-680.	7.0	466
3	Directional tissue migration through a self-generated chemokine gradient. <i>Nature</i> , 2013, 503, 285-289.	27.8	320
4	The Chemokine SDF1a Coordinates Tissue Migration through the Spatially Restricted Activation of Cxcr7 and Cxcr4b. <i>Current Biology</i> , 2007, 17, 1026-1031.	3.9	288
5	A radiation hybrid map of the zebrafish genome. <i>Nature Genetics</i> , 1999, 23, 86-89.	21.4	259
6	From morphogen to morphogenesis and back. <i>Nature</i> , 2017, 541, 311-320.	27.8	258
7	Dynamic Fgf signaling couples morphogenesis and migration in the zebrafish lateral line primordium. <i>Development (Cambridge)</i> , 2008, 135, 2695-2705.	2.5	204
8	Distinct roles for BAI1 and TIM-4 in the engulfment of dying neurons by microglia. <i>Nature Communications</i> , 2014, 5, 4046.	12.8	164
9	In migrating cells, the Golgi complex and the position of the centrosome depend on geometrical constraints of the substratum. <i>Journal of Cell Science</i> , 2008, 121, 2406-2414.	2.0	139
10	EMT 2.0: shaping epithelia through collective migration. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 338-342.	3.3	130
11	Luminal signalling links cell communication to tissue architecture during organogenesis. <i>Nature</i> , 2014, 515, 120-124.	27.8	129
12	Towing of sensory axons by their migrating target cells in vivo. <i>Nature Neuroscience</i> , 2004, 7, 491-492.	14.8	114
13	Organizing moving groups during morphogenesis. <i>Current Opinion in Cell Biology</i> , 2006, 18, 102-107.	5.4	109
14	Quantitative cell polarity imaging defines leader-to-follower transitions during collective migration and the key role of microtubule-dependent adherens junction formation. <i>Development (Cambridge)</i> , 2014, 141, 1282-1291.	2.5	94
15	ErbB2 and ErbB3 regulate amputation-induced proliferation and migration during vertebrate regeneration. <i>Developmental Biology</i> , 2009, 327, 177-190.	2.0	68
16	Collective cell migration guided by dynamically maintained gradients. <i>Physical Biology</i> , 2011, 8, 045004.	1.8	41
17	Dynamic Buffering of Extracellular Chemokine by a Dedicated Scavenger Pathway Enables Robust Adaptation during Directed Tissue Migration. <i>Developmental Cell</i> , 2020, 52, 492-508.e10.	7.0	25
18	An image-based data-driven analysis of cellular architecture in a developing tissue. <i>ELife</i> , 2020, 9, .	6.0	24

#	ARTICLE	IF	CITATIONS
19	TimerQuant: A modelling approach to tandem fluorescent timer design and data interpretation for measuring protein turnover in embryos. <i>Development (Cambridge)</i> , 2015, 143, 174-9.	2.5	12
20	Smoothelin-like 2 Inhibits Coronin-1B to Stabilize the Apical Actin Cortex during Epithelial Morphogenesis. <i>Current Biology</i> , 2021, 31, 696-706.e9.	3.9	7
21	Going your own way: Self-guidance mechanisms in cell migration. <i>Current Opinion in Cell Biology</i> , 2021, 72, 116-123.	5.4	7
22	Getting back on track: exploiting canalization to uncover the mechanisms of developmental robustness. <i>Current Opinion in Genetics and Development</i> , 2020, 63, 53-60.	3.3	2
23	Epithelial Morphogenesis: Stage Diving with Purpose. <i>Developmental Cell</i> , 2015, 35, 7-8.	7.0	0
24	Conserved exchange of paralog proteins during neuronal differentiation. <i>Life Science Alliance</i> , 2022, 5, e202201397.	2.8	0