

Paul Martin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111 papers	15,289 citations	50 h-index	123 g-index
140 ext. papers	17,503 ext. citations	9.6 avg, IF	7.13 L-index

#	Paper	IF	Citations
111	Wound healing--aiming for perfect skin regeneration. <i>Science</i> , 1997 , 276, 75-81	33.3	3663
110	Wound repair and regeneration: mechanisms, signaling, and translation. <i>Science Translational Medicine</i> , 2014 , 6, 265sr6	17.5	1319
109	Inflammatory cells during wound repair: the good, the bad and the ugly. <i>Trends in Cell Biology</i> , 2005 , 15, 599-607	18.3	960
108	Wound repair at a glance. <i>Journal of Cell Science</i> , 2009 , 122, 3209-13	5.3	495
107	Inflammation and metabolism in tissue repair and regeneration. <i>Science</i> , 2017 , 356, 1026-1030	33.3	443
106	Parallels between tissue repair and embryo morphogenesis. <i>Development (Cambridge)</i> , 2004 , 131, 3021-3046	34.6	425
105	Wound healing in the PU.1 null mouse--tissue repair is not dependent on inflammatory cells. <i>Current Biology</i> , 2003 , 13, 1122-8	6.3	413
104	Actin cables and epidermal movement in embryonic wound healing. <i>Nature</i> , 1992 , 360, 179-83	50.4	383
103	Wound healing recapitulates morphogenesis in Drosophila embryos. <i>Nature Cell Biology</i> , 2002 , 4, 907-1223.4	23.4	324
102	Mechanisms of epithelial fusion and repair. <i>Nature Cell Biology</i> , 2001 , 3, E117-23	23.4	288
101	Dynamic actin-based epithelial adhesion and cell matching during Drosophila dorsal closure. <i>Current Biology</i> , 2000 , 10, 1420-6	6.3	262
100	Targeting connexin43 expression accelerates the rate of wound repair. <i>Current Biology</i> , 2003 , 13, 1697-703	7.3	241
99	Live imaging of wound inflammation in Drosophila embryos reveals key roles for small GTPases during in vivo cell migration. <i>Journal of Cell Biology</i> , 2005 , 168, 567-73	7.3	239
98	c-Jun regulates eyelid closure and skin tumor development through EGFR signaling. <i>Developmental Cell</i> , 2003 , 4, 879-89	10.2	230
97	Clinical challenges of chronic wounds: searching for an optimal animal model to recapitulate their complexity. <i>DMM Disease Models and Mechanisms</i> , 2014 , 7, 1205-13	4.1	227
96	Molecular mechanisms linking wound inflammation and fibrosis: knockdown of osteopontin leads to rapid repair and reduced scarring. <i>Journal of Experimental Medicine</i> , 2008 , 205, 43-51	16.6	220
95	Calcium flashes orchestrate the wound inflammatory response through DUOX activation and hydrogen peroxide release. <i>Current Biology</i> , 2013 , 23, 424-9	6.3	215

94	Acute downregulation of connexin43 at wound sites leads to a reduced inflammatory response, enhanced keratinocyte proliferation and wound fibroblast migration. <i>Journal of Cell Science</i> , 2006 , 119, 5193-203	5.3	214
93	Wound healing and inflammation: embryos reveal the way to perfect repair. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 777-84	5.8	211
92	Dynamic analysis of dorsal closure in Drosophila: from genetics to cell biology. <i>Developmental Cell</i> , 2002 , 3, 9-19	10.2	199
91	Growth factors and cutaneous wound repair. <i>Progress in Growth Factor Research</i> , 1992 , 4, 25-44		189
90	The inflammation-fibrosis link? A Jekyll and Hyde role for blood cells during wound repair. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 1009-17	4.3	187
89	Dynamic analysis of actin cable function during Drosophila dorsal closure. <i>Current Biology</i> , 2002 , 12, 1245-50	5.50	170
88	Live imaging of innate immune cell sensing of transformed cells in zebrafish larvae: parallels between tumor initiation and wound inflammation. <i>PLoS Biology</i> , 2010 , 8, e1000562	9.7	154
87	Imaging macrophage chemotaxis in vivo: studies of microtubule function in zebrafish wound inflammation. <i>Cytoskeleton</i> , 2006 , 63, 415-22		147
86	Prioritization of competing damage and developmental signals by migrating macrophages in the Drosophila embryo. <i>Current Biology</i> , 2010 , 20, 464-70	6.3	146
85	Dynamic analysis of filopodial interactions during the zippering phase of Drosophila dorsal closure. <i>Development (Cambridge)</i> , 2008 , 135, 621-6	6.6	143
84	Epigenetic reprogramming during wound healing: loss of polycomb-mediated silencing may enable upregulation of repair genes. <i>EMBO Reports</i> , 2009 , 10, 881-6	6.5	140
83	The wound inflammatory response exacerbates growth of pre-neoplastic cells and progression to cancer. <i>EMBO Journal</i> , 2015 , 34, 2219-36	13	138
82	Structures in focus--filopodia. <i>International Journal of Biochemistry and Cell Biology</i> , 2002 , 34, 726-30	5.6	123
81	Corpse Engulfment Generates a Molecular Memory that Primes the Macrophage Inflammatory Response. <i>Cell</i> , 2016 , 165, 1658-1671	56.2	121
80	Wound repair: a showcase for cell plasticity and migration. <i>Current Opinion in Cell Biology</i> , 2016 , 42, 29-37		117
79	Wound healing and inflammation genes revealed by array analysis of 'macrophageless' PU.1 null mice. <i>Genome Biology</i> , 2005 , 6, R5	18.3	109
78	A syndecan-4 hair trigger initiates wound healing through caveolin- and RhoG-regulated integrin endocytosis. <i>Developmental Cell</i> , 2011 , 21, 681-93	10.2	103
77	Rapid induction and clearance of TGF beta 1 is an early response to wounding in the mouse embryo. <i>Genesis</i> , 1993 , 14, 225-38		97

76	Live imaging of wound angiogenesis reveals macrophage orchestrated vessel sprouting and regression. <i>EMBO Journal</i> , 2018 , 37,	13	95
75	Clasp-mediated microtubule bundling regulates persistent motility and contact repulsion in <i>Drosophila</i> macrophages in vivo. <i>Journal of Cell Biology</i> , 2010 , 189, 681-9	7.3	95
74	Analysis of the tissue movements of embryonic wound healing--Dil studies in the limb bud stage mouse embryo. <i>Developmental Biology</i> , 1995 , 170, 102-14	3.1	91
73	Role for keratins 6 and 17 during wound closure in embryonic mouse skin. <i>Developmental Dynamics</i> , 2003 , 226, 356-65	2.9	88
72	Compartmentalisation of Rho regulators directs cell invagination during tissue morphogenesis. <i>Development (Cambridge)</i> , 2006 , 133, 4257-67	6.6	80
71	Live imaging of tumor initiation in zebrafish larvae reveals a trophic role for leukocyte-derived PGE ₂ <i>Current Biology</i> , 2012 , 22, 1253-9	6.3	76
70	An early molecular component of the wound healing response in rat embryos--induction of c-fos protein in cells at the epidermal wound margin. <i>Mechanisms of Development</i> , 1992 , 38, 209-15	1.7	71
69	The small GTPase Rac plays multiple roles in epithelial sheet fusion--dynamic studies of <i>Drosophila</i> dorsal closure. <i>Developmental Biology</i> , 2005 , 282, 163-73	3.1	67
68	Swatting flies: modelling wound healing and inflammation in <i>Drosophila</i> . <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 569-74	4.1	64
67	Analysis of WASp function during the wound inflammatory response--live-imaging studies in zebrafish larvae. <i>Journal of Cell Science</i> , 2008 , 121, 3196-206	5.3	64
66	Macrophage Functions in Tissue Patterning and Disease: New Insights from the Fly. <i>Developmental Cell</i> , 2017 , 40, 221-233	10.2	54
65	Fascin is required for blood cell migration during <i>Drosophila</i> embryogenesis. <i>Development (Cambridge)</i> , 2009 , 136, 2557-65	6.6	54
64	Recapitulation of morphogenetic cell shape changes enables wound re-epithelialisation. <i>Development (Cambridge)</i> , 2014 , 141, 1814-20	6.6	53
63	Epithelial fusions in the embryo. <i>Current Opinion in Cell Biology</i> , 2002 , 14, 569-74	9	52
62	Thymosin β -sulfoxide attenuates inflammatory cell infiltration and promotes cardiac wound healing. <i>Nature Communications</i> , 2013 , 4, 2081	17.4	50
61	Fat Body Cells Are Motile and Actively Migrate to Wounds to Drive Repair and Prevent Infection. <i>Developmental Cell</i> , 2018 , 44, 460-470.e3	10.2	48
60	Microtubule remodelling is required for the front-rear polarity switch during contact inhibition of locomotion. <i>Journal of Cell Science</i> , 2011 , 124, 2642-53	5.3	47
59	A reciprocal relationship between cutaneous nerves and repairing skin wounds in the developing chick embryo. <i>Developmental Biology</i> , 2001 , 238, 27-39	3.1	45

58	'White wave' analysis of epithelial scratch wound healing reveals how cells mobilise back from the leading edge in a myosin-II-dependent fashion. <i>Journal of Cell Science</i> , 2011 , 124, 1017-21	5.3	43
57	Gene induction following wounding of wild-type versus macrophage-deficient Drosophila embryos. <i>EMBO Reports</i> , 2008 , 9, 465-71	6.5	43
56	Immediate early genes krox-24 and krox-20 are rapidly up-regulated after wounding in the embryonic and adult mouse. <i>Developmental Dynamics</i> , 2002 , 223, 371-8	2.9	43
55	Reduced FOXO1 expression accelerates skin wound healing and attenuates scarring. <i>American Journal of Pathology</i> , 2014 , 184, 2465-79	5.8	42
54	Resolution mediator chemerin15 reprograms the wound microenvironment to promote repair and reduce scarring. <i>Current Biology</i> , 2014 , 24, 1406-1414	6.3	42
53	Inflammation drives wound hyperpigmentation in zebrafish by recruiting pigment cells to sites of tissue damage. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 508-15	4.1	42
52	Specific macrophage populations promote both cardiac scar deposition and subsequent resolution in adult zebrafish. <i>Cardiovascular Research</i> , 2020 , 116, 1357-1371	9.9	42
51	Conserved mechanisms of repair: from damaged single cells to wounds in multicellular tissues. <i>BioEssays</i> , 2000 , 22, 911-9	4.1	38
50	Ephrin-Bs Drive Junctional Downregulation and Actin Stress Fiber Disassembly to Enable Wound Re-epithelialization. <i>Cell Reports</i> , 2015 , 13, 1380-1395	10.6	37
49	Cell biology: master regulators of sealing and healing. <i>Current Biology</i> , 2005 , 15, R425-7	6.3	37
48	The hallmarks of cancer are also the hallmarks of wound healing. <i>Science Signaling</i> , 2020 , 13,	8.8	36
47	Imaging innate immune responses at tumour initiation: new insights from fish and flies. <i>Nature Reviews Cancer</i> , 2015 , 15, 556-62	31.3	32
46	Systems Analysis of the Dynamic Inflammatory Response to Tissue Damage Reveals Spatiotemporal Properties of the Wound Attractant Gradient. <i>Current Biology</i> , 2016 , 26, 1975-1989	6.3	32
45	MiR-142 Is Required for Staphylococcus aureus Clearance at Skin Wound Sites via Small GTPase-Mediated Regulation of the Neutrophil Actin Cytoskeleton. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 931-940	4.3	30
44	Morphoregulation by acetylcholinesterase in fibroblasts and astrocytes. <i>Journal of Cellular Physiology</i> , 2008 , 215, 82-100	7	29
43	The role of actin cables in directing the morphogenesis of the pharyngeal pouches. <i>Development (Cambridge)</i> , 2004 , 131, 593-9	6.6	26
42	Repair of excisional wounds in the embryo. <i>Eye</i> , 1994 , 8 (Pt 2), 155-60	4.4	26
41	Proteolytic and Opportunistic Breaching of the Basement Membrane Zone by Immune Cells during Tumor Initiation. <i>Cell Reports</i> , 2019 , 27, 2837-2846.e4	10.6	25

40	Live imaging of collagen deposition during skin development and repair in a collagen I - GFP fusion transgenic zebrafish line. <i>Developmental Biology</i> , 2018 , 441, 4-11	3.1	24
39	Morphogenesis: unravelling the cell biology of hole closure. <i>Current Biology</i> , 2001 , 11, R705-7	6.3	24
38	A study of wound healing in the E11.5 mouse embryo by light and electron microscopy. <i>Tissue and Cell</i> , 1993 , 25, 173-81	2.7	24
37	Targeting in neutrophils enhances the clearance of infected wounds. <i>EMBO Molecular Medicine</i> , 2018 , 10,	12	24
36	Modelling of human Wiskott-Aldrich syndrome protein mutants in zebrafish larvae using in vivo live imaging. <i>Journal of Cell Science</i> , 2013 , 126, 4077-84	5.3	21
35	The role of macrophages in clearing programmed cell death in the developing kidney. <i>Anatomy and Embryology</i> , 1996 , 194, 341-8		21
34	Perfect wound healing in the keratin 8 deficient mouse embryo. <i>Cytoskeleton</i> , 1996 , 35, 358-66		21
33	Parallels between wound repair and morphogenesis in the embryo. <i>Seminars in Cell and Developmental Biology</i> , 1999 , 10, 395-404	7.5	20
32	Live imaging the foreign body response in zebrafish reveals how dampening inflammation reduces fibrosis. <i>Journal of Cell Science</i> , 2019 , 133,	5.3	17
31	Mechanisms of wound healing in the embryo and fetus. <i>Current Topics in Developmental Biology</i> , 1996 , 32, 175-203	5.3	16
30	Enhanced expression of the mannose receptor by endothelial cells of the liver and spleen microvascular beds in the macrophage-deficient PU.1 null mouse. <i>Histochemistry and Cell Biology</i> , 2005 , 123, 365-76	2.4	15
29	The cell biology of inflammation: From common traits to remarkable immunological adaptations. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	15
28	immune cells extravasate from vessels to wounds using Tre1 GPCR and Rho signaling. <i>Journal of Cell Biology</i> , 2018 , 217, 3045-3056	7.3	14
27	Host-Biomaterial Interactions in Zebrafish. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1233-1240	5.5	13
26	Knockdown of osteopontin reduces the inflammatory response and subsequent size of postsurgical adhesions in a murine model. <i>American Journal of Pathology</i> , 2012 , 181, 1165-72	5.8	12
25	Injury Activates a Dynamic Cytoprotective Network to Confer Stress Resilience and Drive Repair. <i>Current Biology</i> , 2019 , 29, 3851-3862.e4	6.3	11
24	Macrophage regulation of angiogenesis in health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2021 , 119, 101-110	7.5	11
23	Myeloid Cells in Cutaneous Wound Repair. <i>Microbiology Spectrum</i> , 2016 , 4,	8.9	7

22	Culture of postimplantation mouse embryos. <i>Methods in Molecular Biology</i> , 1999 , 97, 7-22	1.4	7
21	Technical Note: Error metrics for estimating the accuracy of needle/instrument placement during transperineal magnetic resonance/ultrasound-guided prostate interventions. <i>Medical Physics</i> , 2018 , 45, 1408-1414	4.4	6
20	Culture of postimplantation mouse embryos. <i>Methods in Molecular Biology</i> , 2008 , 461, 7-22	1.4	6
19	Accurate Reconstruction of Cell and Particle Tracks from 3D Live Imaging Data. <i>Cell Systems</i> , 2016 , 3, 102-7	10.6	6
18	Live-imaging of endothelial Erk activity reveals dynamic and sequential signalling events during regenerative angiogenesis. <i>ELife</i> , 2021 , 10,	8.9	5
17	Development. May the force be with you. <i>Science</i> , 2003 , 300, 63-5	33.3	4
16	A Syndecan-4 Hair Trigger Initiates Wound Healing through Caveolin- and RhoG-Regulated Integrin Endocytosis. <i>Developmental Cell</i> , 2012 , 23, 1081-1082	10.2	3
15	Long-term In Vivo Tracking of Inflammatory Cell Dynamics Within Drosophila Pupae. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	2
14	Cell biology. Embryonic clutch control. <i>Science</i> , 2012 , 335, 1181-2	33.3	2
13	Wound healing and inflammation studies in genetically tractable organisms. <i>International Congress Series</i> , 2007 , 1302, 3-16		2
12	Cell migration by swimming: Drosophila adipocytes as a new in vivo model of adhesion-independent motility. <i>Seminars in Cell and Developmental Biology</i> , 2020 , 100, 160-166	7.5	2
11	Conserved mechanisms of repair: from damaged single cells to wounds in multicellular tissues 2000 , 22, 911		2
10	Morphogenesis: shroom in to close the neural tube. <i>Current Biology</i> , 2004 , 14, R150-1	6.3	2
9	Zebrafish as a Research Organism: Danio rerio in Biomedical Research 2017 , 235-261		1
8	Circulating inflammatory cytokines and risk of five cancers: a Mendelian randomization analysis.. <i>BMC Medicine</i> , 2022 , 20, 3	11.4	1
7	The Impact of Wound Inflammation on Cancer Progression: Studies in Fish and Patients 2017 , 183-199		1
6	Modulating the Inflammatory Response to Wounds and Cancer Through Infection. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 676193	5.7	1
5	Myeloid Cells in Cutaneous Wound Repair 2017 , 385-403		

- 4 Growth factors and wound healing. *Growth Factors and Cytokines in Health and Disease*, **1997**, 3, 499-528
- 3 Embryo Morphogenesis and the Role of the Actin Cytoskeleton. *Advances in Molecular and Cell Biology*, **2006**, 37, 251-283
- 2 Recapitulation of morphogenetic cell shape changes enables wound re-epithelialisation. *Journal of Cell Science*, **2014**, 127, e1-e1 5.3
- 1 White wave analysis of epithelial scratch wound healing reveals how cells mobilise back from the leading edge in a myosin-II-dependent fashion. *Development (Cambridge)*, **2011**, 138, e1-e1 6.6