Philippe Herbomel

List of Publications by Year
in descending order

22 papers	3,377 citations	516561 16 h-index	713332 21 g-index
30 all docs	30 docs citations	30 times ranked	4249 citing authors

#	Article	IF	Citations
1	Blood stem cells emerge from aortic endothelium by a novel type of cell transition. Nature, 2010, 464, 112-115.	13.7	814
2	Zebrafish Early Macrophages Colonize Cephalic Mesenchyme and Developing Brain, Retina, and Epidermis through a M-CSF Receptor-Dependent Invasive Process. Developmental Biology, 2001, 238, 274-288.	0.9	498
3	Tracing Hematopoietic Precursor Migration to Successive Hematopoietic Organs during Zebrafish Development. Immunity, 2006, 25, 963-975.	6.6	476
4	Origins and unconventional behavior of neutrophils in developing zebrafish. Blood, 2008, 111, 132-141.	0.6	329
5	Live Tracking of Inter-organ Communication by Endogenous Exosomes InÂVivo. Developmental Cell, 2019, 48, 573-589.e4.	3.1	231
6	Live imaging of emerging hematopoietic stem cells and early thymus colonization. Blood, 2008, 111, 1147-1156.	0.6	211
7	Real-Time Whole-Body Visualization of Chikungunya Virus Infection and Host Interferon Response in Zebrafish. PLoS Pathogens, 2013, 9, e1003619.	2.1	160
8	The zebrafish as a model organism to study development of the immune system. Advances in Immunology, 2003, 81, 253-330.	1.1	135
9	Inflammatory Chemokines Direct and Restrict Leukocyte Migration within Live Tissues as Glycan-Bound Gradients. Current Biology, 2012, 22, 2375-2382.	1.8	131
10	Strategies of professional phagocytes in vivo: unlike macrophages, neutrophils engulf only surface-associated microbes. Journal of Cell Science, 2011, 124, 3053-3059.	1.2	121
11	Studying cell behavior in whole zebrafish embryos by confocal live imaging: application to hematopoietic stem cells. Nature Protocols, 2011, 6, 1897-1904.	5.5	53
12	NACA deficiency reveals the crucial role of somite-derived stromal cells in haematopoietic niche formation. Nature Communications, 2015, 6, 8375.	5.8	43
13	Pivotal role of Pten in the balance between proliferation and differentiation of hematopoietic stem cells in zebrafish. Blood, 2014, 123, 184-190.	0.6	38
14	Generating parabiotic zebrafish embryos for cell migration and homing studies. Nature Methods, 2013, 10, 256-258.	9.0	27
15	Anisotropic organization of circumferential actomyosin characterizes hematopoietic stem cells emergence in the zebrafish. ELife, 2018, 7, .	2.8	25
16	Trim33 / Tif1-Î³ is essential for macrophage and neutrophil mobilisation to developmental or inflammatory cues. Journal of Cell Science, 2017, 130, 2797-2807.	1.2	23
17	maging Early Macrophage Differentiation, Migration, and Behaviors in Live Zebrafish Embryos. , 2005, 105, 199-214.		22
18	Coronin 1A depletion restores the nuclear stability and viability of Aip1/Wdr1-deficient neutrophils. Journal of Cell Biology, 2019, 218, 3258-3271.	2.3	12

#	Article	IF	Citations
19	Ultraspecific live imaging of the dynamics of zebrafish neutrophil granules by a histopermeable fluorogenic benzochalcone probe. Chemical Science, 2019, 10, 3654-3670.	3.7	10
20	The cationic amino acid exporter Slc7a7 is induced and vital in tissue macrophages with sustained efferocytic activity. Journal of Cell Science, 2020, 133, .	1.2	8
21	Phosphatidylinositol-3 kinase signaling controls survival and stemness of hematopoietic stem and progenitor cells. Oncogene, 2021, 40, 2741-2755.	2.6	3
22	Resident Macrophage Lookalikes of Unexpected Origin. Developmental Cell, 2019, 49, 501-502.	3.1	2