

# Philippe Herbomel

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

3,377  
citations

516710

16  
h-index

713466

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. <i>Nature</i> , 2010, 464, 112-115.	27.8	814
2	Zebrafish Early Macrophages Colonize Cephalic Mesenchyme and Developing Brain, Retina, and Epidermis through a M-CSF Receptor-Dependent Invasive Process. <i>Developmental Biology</i> , 2001, 238, 274-288.	2.0	498
3	Tracing Hematopoietic Precursor Migration to Successive Hematopoietic Organs during Zebrafish Development. <i>Immunity</i> , 2006, 25, 963-975.	14.3	476
4	Origins and unconventional behavior of neutrophils in developing zebrafish. <i>Blood</i> , 2008, 111, 132-141.	1.4	329
5	Live Tracking of Inter-organ Communication by Endogenous Exosomes In Vivo. <i>Developmental Cell</i> , 2019, 48, 573-589.e4.	7.0	231
6	Live imaging of emerging hematopoietic stem cells and early thymus colonization. <i>Blood</i> , 2008, 111, 1147-1156.	1.4	211
7	Real-Time Whole-Body Visualization of Chikungunya Virus Infection and Host Interferon Response in Zebrafish. <i>PLoS Pathogens</i> , 2013, 9, e1003619.	4.7	160
8	The zebrafish as a model organism to study development of the immune system. <i>Advances in Immunology</i> , 2003, 81, 253-330.	2.2	135
9	Inflammatory Chemokines Direct and Restrict Leukocyte Migration within Live Tissues as Glycan-Bound Gradients. <i>Current Biology</i> , 2012, 22, 2375-2382.	3.9	131
10	Strategies of professional phagocytes in vivo: unlike macrophages, neutrophils engulf only surface-associated microbes. <i>Journal of Cell Science</i> , 2011, 124, 3053-3059.	2.0	121
11	Studying cell behavior in whole zebrafish embryos by confocal live imaging: application to hematopoietic stem cells. <i>Nature Protocols</i> , 2011, 6, 1897-1904.	12.0	53
12	NACA deficiency reveals the crucial role of somite-derived stromal cells in haematopoietic niche formation. <i>Nature Communications</i> , 2015, 6, 8375.	12.8	43
13	Pivotal role of Pten in the balance between proliferation and differentiation of hematopoietic stem cells in zebrafish. <i>Blood</i> , 2014, 123, 184-190.	1.4	38
14	Generating parabiotic zebrafish embryos for cell migration and homing studies. <i>Nature Methods</i> , 2013, 10, 256-258.	19.0	27
15	Anisotropic organization of circumferential actomyosin characterizes hematopoietic stem cells emergence in the zebrafish. <i>ELife</i> , 2018, 7, .	6.0	25
16	Trim33 / Tif1- $\beta$ is essential for macrophage and neutrophil mobilisation to developmental or inflammatory cues. <i>Journal of Cell Science</i> , 2017, 130, 2797-2807.	2.0	23
17	Imaging 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. <i>Journal of Cell Biology</i> , 2019, 218, 3258-3271.	5.2	12

#	ARTICLE	IF	CITATIONS
19	Ultraspecific live imaging of the dynamics of zebrafish neutrophil granules by a histopermeable fluorogenic benzochalcone probe. <i>Chemical Science</i> , 2019, 10, 3654-3670.	7.4	10
20	The cationic amino acid exporter Slc7a7 is induced and vital in tissue macrophages with sustained efferocytic activity. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	8
21	Phosphatidylinositol-3 kinase signaling controls survival and stemness of hematopoietic stem and progenitor cells. <i>Oncogene</i> , 2021, 40, 2741-2755.	5.9	3
22	Resident Macrophage Lookalikes of Unexpected Origin. <i>Developmental Cell</i> , 2019, 49, 501-502.	7.0	2