

Graham J Lieschke

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.

105
papers

8,674
citations

44
h-index

93
g-index

109
ext. papers

10,057
ext. citations

8.3
avg, IF

5.99
L-index

#	Paper	IF	Citations
105	Animal models of human disease: zebrafish swim into view. <i>Nature Reviews Genetics</i> , 2007 , 8, 353-67	30.1	1510
104	Granulocyte/macrophage colony-stimulating factor-deficient mice show no major perturbation of hematopoiesis but develop a characteristic pulmonary pathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 5592-6	11.5	705
103	mpeg1 promoter transgenes direct macrophage-lineage expression in zebrafish. <i>Blood</i> , 2011 , 117, e49-56.2	6.2	601
102	Granulocyte colony-stimulating factor and granulocyte-macrophage colony-stimulating factor (1). <i>New England Journal of Medicine</i> , 1992 , 327, 28-35	59.2	562
101	Granulocyte colony-stimulating factor and granulocyte-macrophage colony-stimulating factor (2). <i>New England Journal of Medicine</i> , 1992 , 327, 99-106	59.2	403
100	Morphologic and functional characterization of granulocytes and macrophages in embryonic and adult zebrafish. <i>Blood</i> , 2001 , 98, 3087-96	2.2	353
99	The influence of granulocyte/macrophage colony-stimulating factor on dendritic cell levels in mouse lymphoid organs. <i>European Journal of Immunology</i> , 1997 , 27, 40-4	6.1	203
98	Zebrafish SPI-1 (PU.1) marks a site of myeloid development independent of primitive erythropoiesis: implications for axial patterning. <i>Developmental Biology</i> , 2002 , 246, 274-95	3.1	169
97	Fish immunology. <i>Current Biology</i> , 2009 , 19, R678-82	6.3	160
96	miR-451 regulates zebrafish erythroid maturation in vivo via its target gata2. <i>Blood</i> , 2009 , 113, 1794-804.2.2	2.2	160
95	Treatment of chemotherapy-induced neutropenia by subcutaneously administered granulocyte colony-stimulating factor with optimization of dose and duration of therapy. <i>Journal of Clinical Oncology</i> , 1989 , 7, 1554-62	2.2	149
94	Cohesin-dependent regulation of Runx genes. <i>Development (Cambridge)</i> , 2007 , 134, 2639-49	6.6	148
93	Immuno-responsive gene 1 augments bactericidal activity of macrophage-lineage cells by regulating Ebxidation-dependent mitochondrial ROS production. <i>Cell Metabolism</i> , 2013 , 18, 265-78	24.6	145
92	Effects of bacterially synthesized recombinant human granulocyte-macrophage colony-stimulating factor in patients with advanced malignancy. <i>Annals of Internal Medicine</i> , 1989 , 110, 357-64	8	144
91	Mice Lacking Both Granulocyte Colony-Stimulating Factor (CSF) and Granulocyte-Macrophage CSF Have Impaired Reproductive Capacity, Perturbed Neonatal Granulopoiesis, Lung Disease, Amyloidosis, and Reduced Long-Term Survival. <i>Blood</i> , 1997 , 90, 3037-3049	2.2	140
90	Zebrafish in hematology: sushi or science?. <i>Blood</i> , 2008 , 111, 3331-42	2.2	133
89	Real-time whole-body visualization of Chikungunya Virus infection and host interferon response in zebrafish. <i>PLoS Pathogens</i> , 2013 , 9, e1003619	7.6	120

88	Infection of zebrafish embryos with intracellular bacterial pathogens. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	113
87	Bioactive murine and human interleukin-12 fusion proteins which retain antitumor activity in vivo. <i>Nature Biotechnology</i> , 1997 , 15, 35-40	44.5	111
86	Zebrafish as a model for vertebrate hematopoiesis. <i>Current Opinion in Pharmacology</i> , 2010 , 10, 563-70	5.1	88
85	Neutrophil-delivered myeloperoxidase dampens the hydrogen peroxide burst after tissue wounding in zebrafish. <i>Current Biology</i> , 2012 , 22, 1818-24	6.3	87
84	The zebrafish spi1 promoter drives myeloid-specific expression in stable transgenic fish. <i>Blood</i> , 2003 , 102, 3238-40	2.2	86
83	Haematopoietic stem cell induction by somite-derived endothelial cells controlled by meox1. <i>Nature</i> , 2014 , 512, 314-8	50.4	81
82	Developmental biology of zebrafish myeloid cells. <i>International Journal of Developmental Biology</i> , 2002 , 46, 483-92	1.9	76
81	The Wnt receptor Ryk plays a role in mammalian planar cell polarity signaling. <i>Journal of Biological Chemistry</i> , 2012 , 287, 29312-23	5.4	71
80	Development of ramified microglia from early macrophages in the zebrafish optic tectum. <i>Developmental Neurobiology</i> , 2013 , 73, 60-71	3.2	70
79	Myeloid Growth Factors Promote Resistance to Mycobacterial Infection by Curtailing Granuloma Necrosis through Macrophage Replenishment. <i>Cell Host and Microbe</i> , 2015 , 18, 15-26	23.4	68
78	In vivo visualization and attenuation of oxidized lipid accumulation in hypercholesterolemic zebrafish. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4861-9	15.9	68
77	Hydrogen peroxide in inflammation: messenger, guide, and assassin. <i>Advances in Hematology</i> , 2012 , 2012, 541471	1.5	67
76	Comparison of effects of the tyrosine kinase inhibitors AG957, AG490, and STI571 on BCR-ABL--expressing cells, demonstrating synergy between AG490 and STI571. <i>Blood</i> , 2001 , 97, 2008-15	2.2	67
75	Acinetobacter baumannii phenylacetic acid metabolism influences infection outcome through a direct effect on neutrophil chemotaxis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9599-604	11.5	64
74	Studies of oral neutrophil levels in patients receiving G-CSF after autologous marrow transplantation. <i>British Journal of Haematology</i> , 1992 , 82, 589-95	4.5	60
73	Chromatin-remodeling factor SMARCD2 regulates transcriptional networks controlling differentiation of neutrophil granulocytes. <i>Nature Genetics</i> , 2017 , 49, 742-752	36.3	58
72	Dystrophin-deficient zebrafish feature aspects of the Duchenne muscular dystrophy pathology. <i>Neuromuscular Disorders</i> , 2010 , 20, 826-32	2.9	56
71	Autophagy induction is a Tor- and Tp53-independent cell survival response in a zebrafish model of disrupted ribosome biogenesis. <i>PLoS Genetics</i> , 2013 , 9, e1003279	6	55

70	The Netrin receptor Neogenin is required for neural tube formation and somitogenesis in zebrafish. <i>Developmental Biology</i> , 2004 , 269, 302-15	3.1	53
69	Blockage of lysophosphatidic acid signaling improves spinal cord injury outcomes. <i>American Journal of Pathology</i> , 2012 , 181, 978-92	5.8	52
68	Hematopoietic perturbation in zebrafish expressing a tel-jak2a fusion. <i>Experimental Hematology</i> , 2005 , 33, 182-8	3.1	50
67	Delineating the roles of neutrophils and macrophages in zebrafish regeneration models. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 56, 92-106	5.6	48
66	Characterization of the zebrafish matrix metalloproteinase 9 gene and its developmental expression pattern. <i>Gene Expression Patterns</i> , 2007 , 7, 39-46	1.5	47
65	CREB activity modulates neural cell proliferation, midbrain-hindbrain organization and patterning in zebrafish. <i>Developmental Biology</i> , 2007 , 307, 127-41	3.1	46
64	Minor class splicing shapes the zebrafish transcriptome during development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3062-7	11.5	45
63	Zebrafish <i>gcm2</i> is required for gill filament budding from pharyngeal ectoderm. <i>Developmental Biology</i> , 2004 , 276, 508-22	3.1	45
62	Intron retention enhances gene regulatory complexity in vertebrates. <i>Genome Biology</i> , 2017 , 18, 216	18.3	44
61	DNAzyme targeting c-jun suppresses skin cancer growth. <i>Science Translational Medicine</i> , 2012 , 4, 139ra827.5	17.5	44
60	The Neutrophil Nucleus: An Important Influence on Neutrophil Migration and Function. <i>Frontiers in Immunology</i> , 2018 , 9, 2867	8.4	44
59	Specification of the primitive myeloid precursor pool requires signaling through Alk8 in zebrafish. <i>Current Biology</i> , 2006 , 16, 506-11	6.3	43
58	In vivo mutation of pre-mRNA processing factor 8 (Prpf8) affects transcript splicing, cell survival and myeloid differentiation. <i>FEBS Letters</i> , 2013 , 587, 2150-7	3.8	42
57	The zebrafish as a model system for human disease. <i>Frontiers in Bioscience - Landmark</i> , 2002 , 7, d827-33	2.8	42
56	Macrophages provide a transient muscle stem cell niche via NAMPT secretion. <i>Nature</i> , 2021 , 591, 281-287	30.4	41
55	Abnormal nuclear pore formation triggers apoptosis in the intestinal epithelium of <i>elys</i> -deficient zebrafish. <i>Gastroenterology</i> , 2009 , 136, 902-11	13.3	40
54	Pharmacology of the colony-stimulating factors. <i>Trends in Pharmacological Sciences</i> , 1989 , 10, 154-9	13.2	40
53	The effects of dose and route of administration on the pharmacokinetics of granulocyte-macrophage colony-stimulating factor. <i>European Journal of Cancer & Clinical Oncology</i> , 1990 , 26, 1064-9		39

52	Antibiotic resistance and host immune evasion in mediated by a metabolic adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3722-3727	11.5	36
51	Duplicate zebrafish pth genes are expressed along the lateral line and in the central nervous system during embryogenesis. <i>Endocrinology</i> , 2005 , 146, 547-51	4.8	36
50	Tyrosine residues of the granulocyte colony-stimulating factor receptor transmit proliferation and differentiation signals in murine bone marrow cells. <i>Blood</i> , 2002 , 99, 879-87	2.2	36
49	Biocompatibility of Photopolymers in 3D Printing. <i>3D Printing and Additive Manufacturing</i> , 2017 , 4, 185-191	1.7	33
48	Grainyhead-like 3 regulation of endothelin-1 in the pharyngeal endoderm is critical for growth and development of the craniofacial skeleton. <i>Mechanisms of Development</i> , 2014 , 133, 77-90	1.7	31
47	Manipulation of gene expression during zebrafish embryonic development using transient approaches. <i>Methods in Molecular Biology</i> , 2008 , 469, 273-300	1.4	31
46	Midbrain-hindbrain boundary patterning and morphogenesis are regulated by diverse grainy head-like 2-dependent pathways. <i>Development (Cambridge)</i> , 2012 , 139, 525-36	6.6	29
45	PhagoSight: an open-source MATLAB® package for the analysis of fluorescent neutrophil and macrophage migration in a zebrafish model. <i>PLoS ONE</i> , 2013 , 8, e72636	3.7	28
44	Nerve growth factor stimulates cardiac regeneration via cardiomyocyte proliferation in experimental heart failure. <i>PLoS ONE</i> , 2012 , 7, e53210	3.7	27
43	Blocking fatty acid-fueled mROS production within macrophages alleviates acute gouty inflammation. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1752-1771	15.9	25
42	Macrophages protect <i>Talaromyces marneffei</i> conidia from myeloperoxidase-dependent neutrophil fungicidal activity during infection establishment in vivo. <i>PLoS Pathogens</i> , 2018 , 14, e1007063	7.6	25
41	A zebrafish model of inflammatory lymphangiogenesis. <i>Biology Open</i> , 2015 , 4, 1270-80	2.2	24
40	In vivo real-time visualization of leukocytes and intracellular hydrogen peroxide levels during a zebrafish acute inflammation assay. <i>Methods in Enzymology</i> , 2012 , 506, 135-56	1.7	23
39	The role of the ETS factor <i>erg</i> in zebrafish vasculogenesis. <i>Mechanisms of Development</i> , 2009 , 126, 220-9	1.7	23
38	Knockdown of zebrafish <i>crim1</i> results in a bent tail phenotype with defects in somite and vascular development. <i>Mechanisms of Development</i> , 2006 , 123, 277-87	1.7	22
37	Functional deficiencies of peritoneal cells from gene-targeted mice lacking G-CSF or GM-CSF. <i>Journal of Leukocyte Biology</i> , 1999 , 65, 256-64	6.5	21
36	The dissociation of GM-CSF efficacy from toxicity according to route of administration: a pharmacodynamic study. <i>British Journal of Haematology</i> , 1992 , 80, 144-50	4.5	21
35	A GCSFR/CSF3R zebrafish mutant models the persistent basal neutrophil deficiency of severe congenital neutropenia. <i>Scientific Reports</i> , 2017 , 7, 44455	4.9	20

34	Granulocyte-macrophage colony-stimulating factor for cancer treatment. <i>Oncology</i> , 1994 , 51, 177-88	3.6	19
33	Computational quantification of fluorescent leukocyte numbers in zebrafish embryos. <i>Methods in Enzymology</i> , 2012 , 506, 425-35	1.7	18
32	Toxicological assessment of additively manufactured methacrylates for medical devices in dentistry. <i>Acta Biomaterialia</i> , 2018 , 78, 64-77	10.8	16
31	Mediator subunit 12 is required for neutrophil development in zebrafish. <i>PLoS ONE</i> , 2011 , 6, e23845	3.7	16
30	Zebrafish--an emerging genetic model for the study of cytokines and hematopoiesis in the era of functional genomics. <i>International Journal of Hematology</i> , 2001 , 73, 23-31	2.3	15
29	Early clinical trials with colony-stimulating factors. <i>Cancer Investigation</i> , 1989 , 7, 443-56	2.1	15
28	Endometrial adenocarcinoma presenting as pituitary apoplexy. <i>Australian and New Zealand Journal of Medicine</i> , 1990 , 20, 81-4		12
27	Validating microRNA Target Transcripts Using Zebrafish Assays. <i>Methods in Molecular Biology</i> , 2009 , 546, 227-40	1.4	12
26	The Pu.1 target gene <i>Zbtb11</i> regulates neutrophil development through its integrase-like HHCC zinc finger. <i>Nature Communications</i> , 2017 , 8, 14911	17.4	11
25	Frontline Science: Dynamic cellular and subcellular features of migrating leukocytes revealed by in vivo lattice lightsheet microscopy. <i>Journal of Leukocyte Biology</i> , 2020 , 108, 455-468	6.5	11
24	β glucan-dependent shuttling of conidia from neutrophils to macrophages occurs during fungal infection establishment. <i>PLoS Biology</i> , 2019 , 17, e3000113	9.7	9
23	T lymphocytes from granulocyte colony-stimulating factor-/- mice produce large quantities of interferon-gamma in a chronic infection model. <i>Immunology</i> , 2000 , 101, 132-9	7.8	9
22	Physiological neutrophilia of pregnancy is not associated with a rise in plasma granulocyte colony-stimulating factor (G-CSF). <i>American Journal of Hematology</i> , 1995 , 48, 288	7.1	8
21	Utility of clinical comprehensive genomic characterization for diagnostic categorization in patients presenting with hypocellular bone marrow failure syndromes. <i>Haematologica</i> , 2021 , 106, 64-73	6.6	5
20	Pioneer neutrophils release chromatin within in vivo swarms. <i>ELife</i> , 2021 , 10,	8.9	5
19	Immune priming: mothering males modulate immunity. <i>Current Biology</i> , 2013 , 23, R76-8	6.3	4
18	Discerning different in vivo roles of microRNAs by experimental approaches in zebrafish. <i>Methods in Cell Biology</i> , 2011 , 104, 353-78	1.8	4
17	Characterisation of duplicate zinc finger like 2 erythroid precursor genes in zebrafish. <i>Development Genes and Evolution</i> , 2006 , 216, 523-9	1.8	4

16	CSF-deficient mice--what have they taught us?. <i>Novartis Foundation Symposium</i> , 1997 , 204, 60-74; discussion 74-7		4
15	Transient, flexible gene editing in zebrafish neutrophils and macrophages for determination of cell-autonomous functions. <i>DMM Disease Models and Mechanisms</i> , 2021 , 14,	4.1	4
14	The Resistance to Host Antimicrobial Peptides in Infections Caused by Daptomycin-Resistant. <i>Antibiotics</i> , 2021 , 10,	4.9	4
13	Hematopoietic growth factors: the scenario in zebrafish. <i>Growth Factors</i> , 2018 , 36, 196-212	1.6	4
12	Resolution of intracardiac masses. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1989 , 97, 637-639	1.5	3
11	Antibiotic-chemoattractants enhance neutrophil clearance of <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , 2021 , 12, 6157	17.4	3
10	Splicing dysfunction and disease: The case of granulopoiesis. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 75, 23-39	7.5	3
9	Recombinant alpha-2b interferon in patients with malignant carcinoid tumour. <i>Australian and New Zealand Journal of Medicine</i> , 1991 , 21, 875-8		2
8	Experimental approaches to studying the nature and impact of splicing variation in zebrafish. <i>Methods in Cell Biology</i> , 2016 , 135, 259-88	1.8	2
7	Local affine texture tracking for serial registration of zebrafish images 2012 ,		1
6	Fluorescent neutrophils throw the spotlight on inflammation. <i>Blood</i> , 2006 , 108, 3961-3962	2.2	1
5	Images in haematology. Relapsed blastic natural killer cell leukaemia with splenic rupture. <i>British Journal of Haematology</i> , 2006 , 135, 2	4.5	1
4	Abnormal protein tyrosine kinases associated with human haematological malignancies. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2002 , 14, 79-83	3.8	1
3	SWI/SNF Protein SMARCD2 Orchestrates Transcriptional Networks Controlling Hematopoiesis and Neutrophil Granulocytes in Humans, Mice and Zebrafish. <i>Blood</i> , 2016 , 128, 2-2	2.2	1
2	G-CSF and GM-CSF: Clinical issues in lung cancer management. <i>Lung Cancer</i> , 1994 , 11, 187-188	5.9	
1	Zbtb11, an Evolutionarily Conserved Pu.1-Regulated Transcriptional Repressor of TP53, Is Required for Neutrophil Development. <i>Blood</i> , 2015 , 126, 1180-1180	2.2	