

# Graham J Lieschke

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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	Utility of clinical comprehensive genomic characterization for diagnostic categorization in patients presenting with hypocellular bone marrow failure syndromes. <i>Haematologica</i> , <b>2021</b> , 106, 64-73	6.6	5
104	Antibiotic-chemoattractants enhance neutrophil clearance of <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , <b>2021</b> , 12, 6157	17.4	3
103	Transient, flexible gene editing in zebrafish neutrophils and macrophages for determination of cell-autonomous functions. <i>DMM Disease Models and Mechanisms</i> , <b>2021</b> , 14,	4.1	4
102	The Resistance to Host Antimicrobial Peptides in Infections Caused by Daptomycin-Resistant. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	4
101	Macrophages provide a transient muscle stem cell niche via NAMPT secretion. <i>Nature</i> , <b>2021</b> , 591, 281-287	30.4	41
100	Pioneer neutrophils release chromatin within in vivo swarms. <i>ELife</i> , <b>2021</b> , 10,	8.9	5
99	Frontline Science: Dynamic cellular and subcellular features of migrating leukocytes revealed by in vivo lattice lightsheet microscopy. <i>Journal of Leukocyte Biology</i> , <b>2020</b> , 108, 455-468	6.5	11
98	β-glucan-dependent shuttling of conidia from neutrophils to macrophages occurs during fungal infection establishment. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000113	9.7	9
97	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> , <b>2019</b> , 116, 3722-3727	11.5	36
96	Toxicological assessment of additively manufactured methacrylates for medical devices in dentistry. <i>Acta Biomaterialia</i> , <b>2018</b> , 78, 64-77	10.8	16
95	Blocking fatty acid-fueled mROS production within macrophages alleviates acute gouty inflammation. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1752-1771	15.9	25
94	Splicing dysfunction and disease: The case of granulopoiesis. <i>Seminars in Cell and Developmental Biology</i> , <b>2018</b> , 75, 23-39	7.5	3
93	Hematopoietic growth factors: the scenario in zebrafish. <i>Growth Factors</i> , <b>2018</b> , 36, 196-212	1.6	4
92	The Neutrophil Nucleus: An Important Influence on Neutrophil Migration and Function. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2867	8.4	44
91	Macrophages protect <i>Talaromyces marneffeii</i> conidia from myeloperoxidase-dependent neutrophil fungicidal activity during infection establishment in vivo. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007063	7.6	25
90	A GCSFR/CSF3R zebrafish mutant models the persistent basal neutrophil deficiency of severe congenital neutropenia. <i>Scientific Reports</i> , <b>2017</b> , 7, 44455	4.9	20
89	Chromatin-remodeling factor SMARCD2 regulates transcriptional networks controlling differentiation of neutrophil granulocytes. <i>Nature Genetics</i> , <b>2017</b> , 49, 742-752	36.3	58

88	The Pu.1 target gene Zbtb11 regulates neutrophil development through its integrase-like HHCC zinc finger. <i>Nature Communications</i> , <b>2017</b> , 8, 14911	17.4	11
87	Intron retention enhances gene regulatory complexity in vertebrates. <i>Genome Biology</i> , <b>2017</b> , 18, 216	18.3	44
86	Biocompatibility of Photopolymers in 3D Printing. <i>3D Printing and Additive Manufacturing</i> , <b>2017</b> , 4, 185-191	17.1	33
85	SWI/SNF Protein SMARCD2 Orchestrates Transcriptional Networks Controlling Hematopoiesis and Neutrophil Granulocytes in Humans, Mice and Zebrafish. <i>Blood</i> , <b>2016</b> , 128, 2-2	2.2	1
84	Experimental approaches to studying the nature and impact of splicing variation in zebrafish. <i>Methods in Cell Biology</i> , <b>2016</b> , 135, 259-88	1.8	2
83	<i>Acinetobacter baumannii</i> 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> , <b>2016</b> , 113, 9599-604	11.5	64
82	Myeloid Growth Factors Promote Resistance to Mycobacterial Infection by Curtailing Granuloma Necrosis through Macrophage Replenishment. <i>Cell Host and Microbe</i> , <b>2015</b> , 18, 15-26	23.4	68
81	A zebrafish model of inflammatory lymphangiogenesis. <i>Biology Open</i> , <b>2015</b> , 4, 1270-80	2.2	24
80	Zbtb11, an Evolutionarily Conserved Pu.1-Regulated Transcriptional Repressor of TP53, Is Required for Neutrophil Development. <i>Blood</i> , <b>2015</b> , 126, 1180-1180	2.2	
79	Haematopoietic stem cell induction by somite-derived endothelial cells controlled by meox1. <i>Nature</i> , <b>2014</b> , 512, 314-8	50.4	81
78	Delineating the roles of neutrophils and macrophages in zebrafish regeneration models. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 56, 92-106	5.6	48
77	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> , <b>2014</b> , 133, 77-90	1.7	31
76	Minor class splicing shapes the zebrafish transcriptome during development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3062-7	11.5	45
75	Development of ramified microglia from early macrophages in the zebrafish optic tectum. <i>Developmental Neurobiology</i> , <b>2013</b> , 73, 60-71	3.2	70
74	Immuno-responsive gene 1 augments bactericidal activity of macrophage-lineage cells by regulating oxidation-dependent mitochondrial ROS production. <i>Cell Metabolism</i> , <b>2013</b> , 18, 265-78	24.6	145
73	In vivo mutation of pre-mRNA processing factor 8 (Prpf8) affects transcript splicing, cell survival and myeloid differentiation. <i>FEBS Letters</i> , <b>2013</b> , 587, 2150-7	3.8	42
72	Immune priming: mothering males modulate immunity. <i>Current Biology</i> , <b>2013</b> , 23, R76-8	6.3	4
71	Autophagy induction is a Tor- and Tp53-independent cell survival response in a zebrafish model of disrupted ribosome biogenesis. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003279	6	55

70	Real-time whole-body visualization of Chikungunya Virus infection and host interferon response in zebrafish. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003619	7.6	120
69	PhagoSight: an open-source MATLAB package for the analysis of fluorescent neutrophil and macrophage migration in a zebrafish model. <i>PLoS ONE</i> , <b>2013</b> , 8, e72636	3.7	28
68	Blockage of lysophosphatidic acid signaling improves spinal cord injury outcomes. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 978-92	5.8	52
67	Local affine texture tracking for serial registration of zebrafish images <b>2012</b> ,		1
66	Neutrophil-delivered myeloperoxidase dampens the hydrogen peroxide burst after tissue wounding in zebrafish. <i>Current Biology</i> , <b>2012</b> , 22, 1818-24	6.3	87
65	In vivo real-time visualization of leukocytes and intracellular hydrogen peroxide levels during a zebrafish acute inflammation assay. <i>Methods in Enzymology</i> , <b>2012</b> , 506, 135-56	1.7	23
64	Computational quantification of fluorescent leukocyte numbers in zebrafish embryos. <i>Methods in Enzymology</i> , <b>2012</b> , 506, 425-35	1.7	18
63	DNAzyme targeting c-jun suppresses skin cancer growth. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 139ra827.5	4.5	44
62	Midbrain-hindbrain boundary patterning and morphogenesis are regulated by diverse grainy head-like 2-dependent pathways. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 525-36	6.6	29
61	Hydrogen peroxide in inflammation: messenger, guide, and assassin. <i>Advances in Hematology</i> , <b>2012</b> , 2012, 541471	1.5	67
60	The Wnt receptor Ryk plays a role in mammalian planar cell polarity signaling. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 29312-23	5.4	71
59	Infection of zebrafish embryos with intracellular bacterial pathogens. <i>Journal of Visualized Experiments</i> , <b>2012</b> ,	1.6	113
58	Nerve growth factor stimulates cardiac regeneration via cardiomyocyte proliferation in experimental heart failure. <i>PLoS ONE</i> , <b>2012</b> , 7, e53210	3.7	27
57	Discerning different in vivo roles of microRNAs by experimental approaches in zebrafish. <i>Methods in Cell Biology</i> , <b>2011</b> , 104, 353-78	1.8	4
56	mpeg1 promoter transgenes direct macrophage-lineage expression in zebrafish. <i>Blood</i> , <b>2011</b> , 117, e49-56.2	6.2	60
55	In vivo visualization and attenuation of oxidized lipid accumulation in hypercholesterolemic zebrafish. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 4861-9	15.9	68
54	Mediator subunit 12 is required for neutrophil development in zebrafish. <i>PLoS ONE</i> , <b>2011</b> , 6, e23845	3.7	16
53	Zebrafish as a model for vertebrate hematopoiesis. <i>Current Opinion in Pharmacology</i> , <b>2010</b> , 10, 563-70	5.1	88

52	Dystrophin-deficient zebrafish feature aspects of the Duchenne muscular dystrophy pathology. <i>Neuromuscular Disorders</i> , <b>2010</b> , 20, 826-32	2.9	56
51	Fish immunology. <i>Current Biology</i> , <b>2009</b> , 19, R678-82	6.3	160
50	The role of the ETS factor erg in zebrafish vasculogenesis. <i>Mechanisms of Development</i> , <b>2009</b> , 126, 220-9	1.7	23
49	Abnormal nuclear pore formation triggers apoptosis in the intestinal epithelium of elys-deficient zebrafish. <i>Gastroenterology</i> , <b>2009</b> , 136, 902-11	13.3	40
48	miR-451 regulates zebrafish erythroid maturation in vivo via its target gata2. <i>Blood</i> , <b>2009</b> , 113, 1794-804	2.2	160
47	Validating microRNA Target Transcripts Using Zebrafish Assays. <i>Methods in Molecular Biology</i> , <b>2009</b> , 546, 227-40	1.4	12
46	Manipulation of gene expression during zebrafish embryonic development using transient approaches. <i>Methods in Molecular Biology</i> , <b>2008</b> , 469, 273-300	1.4	31
45	Zebrafish in hematology: sushi or science?. <i>Blood</i> , <b>2008</b> , 111, 3331-42	2.2	133
44	Animal models of human disease: zebrafish swim into view. <i>Nature Reviews Genetics</i> , <b>2007</b> , 8, 353-67	30.1	1510
43	Characterization of the zebrafish matrix metalloproteinase 9 gene and its developmental expression pattern. <i>Gene Expression Patterns</i> , <b>2007</b> , 7, 39-46	1.5	47
42	Cohesin-dependent regulation of Runx genes. <i>Development (Cambridge)</i> , <b>2007</b> , 134, 2639-49	6.6	148
41	CREB activity modulates neural cell proliferation, midbrain-hindbrain organization and patterning in zebrafish. <i>Developmental Biology</i> , <b>2007</b> , 307, 127-41	3.1	46
40	Specification of the primitive myeloid precursor pool requires signaling through Alk8 in zebrafish. <i>Current Biology</i> , <b>2006</b> , 16, 506-11	6.3	43
39	Knockdown of zebrafish crim1 results in a bent tail phenotype with defects in somite and vascular development. <i>Mechanisms of Development</i> , <b>2006</b> , 123, 277-87	1.7	22
38	Fluorescent neutrophils throw the spotlight on inflammation. <i>Blood</i> , <b>2006</b> , 108, 3961-3962	2.2	1
37	Images in haematology. Relapsed blastic natural killer cell leukaemia with splenic rupture. <i>British Journal of Haematology</i> , <b>2006</b> , 135, 2	4.5	1
36	Characterisation of duplicate zinc finger like 2 erythroid precursor genes in zebrafish. <i>Development Genes and Evolution</i> , <b>2006</b> , 216, 523-9	1.8	4
35	Hematopoietic perturbation in zebrafish expressing a tel-jak2a fusion. <i>Experimental Hematology</i> , <b>2005</b> , 33, 182-8	3.1	50

34	Duplicate zebrafish pth genes are expressed along the lateral line and in the central nervous system during embryogenesis. <i>Endocrinology</i> , <b>2005</b> , 146, 547-51	4.8	36
33	The Netrin receptor Neogenin is required for neural tube formation and somitogenesis in zebrafish. <i>Developmental Biology</i> , <b>2004</b> , 269, 302-15	3.1	53
32	Zebrafish gcm2 is required for gill filament budding from pharyngeal ectoderm. <i>Developmental Biology</i> , <b>2004</b> , 276, 508-22	3.1	45
31	The zebrafish spi1 promoter drives myeloid-specific expression in stable transgenic fish. <i>Blood</i> , <b>2003</b> , 102, 3238-40	2.2	86
30	The zebrafish as a model system for human disease. <i>Frontiers in Bioscience - Landmark</i> , <b>2002</b> , 7, d827-33	2.8	42
29	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> , <b>2002</b> , 14, 79-83	3.8	1
28	Tyrosine residues of the granulocyte colony-stimulating factor receptor transmit proliferation and differentiation signals in murine bone marrow cells. <i>Blood</i> , <b>2002</b> , 99, 879-87	2.2	36
27	Zebrafish SPI-1 (PU.1) marks a site of myeloid development independent of primitive erythropoiesis: implications for axial patterning. <i>Developmental Biology</i> , <b>2002</b> , 246, 274-95	3.1	169
26	Developmental biology of zebrafish myeloid cells. <i>International Journal of Developmental Biology</i> , <b>2002</b> , 46, 483-92	1.9	76
25	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> , <b>2001</b> , 97, 2008-15	2.2	67
24	Morphologic and functional characterization of granulocytes and macrophages in embryonic and adult zebrafish. <i>Blood</i> , <b>2001</b> , 98, 3087-96	2.2	353
23	Zebrafish--an emerging genetic model for the study of cytokines and hematopoiesis in the era of functional genomics. <i>International Journal of Hematology</i> , <b>2001</b> , 73, 23-31	2.3	15
22	T lymphocytes from granulocyte colony-stimulating factor-/- mice produce large quantities of interferon-gamma in a chronic infection model. <i>Immunology</i> , <b>2000</b> , 101, 132-9	7.8	9
21	Functional deficiencies of peritoneal cells from gene-targeted mice lacking G-CSF or GM-CSF. <i>Journal of Leukocyte Biology</i> , <b>1999</b> , 65, 256-64	6.5	21
20	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> , <b>1997</b> , 90, 3037-3049	2.2	140
19	Bioactive murine and human interleukin-12 fusion proteins which retain antitumor activity in vivo. <i>Nature Biotechnology</i> , <b>1997</b> , 15, 35-40	44.5	111
18	The influence of granulocyte/macrophage colony-stimulating factor on dendritic cell levels in mouse lymphoid organs. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 40-4	6.1	203
17	CSF-deficient mice--what have they taught us?. <i>Novartis Foundation Symposium</i> , <b>1997</b> , 204, 60-74; discussion 74-7		4

16	Physiological neutrophilia of pregnancy is not associated with a rise in plasma granulocyte colony-stimulating factor (G-CSF). <i>American Journal of Hematology</i> , <b>1995</b> , 48, 288	7.1	8
15	G-CSF and GM-CSF: Clinical issues in lung cancer management. <i>Lung Cancer</i> , <b>1994</b> , 11, 187-188	5.9	
14	Granulocyte-macrophage colony-stimulating factor for cancer treatment. <i>Oncology</i> , <b>1994</b> , 51, 177-88	3.6	19
13	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> , <b>1994</b> , 91, 5592-6	11.5	705
12	Granulocyte colony-stimulating factor and granulocyte-macrophage colony-stimulating factor (2). <i>New England Journal of Medicine</i> , <b>1992</b> , 327, 99-106	59.2	403
11	Granulocyte colony-stimulating factor and granulocyte-macrophage colony-stimulating factor (1). <i>New England Journal of Medicine</i> , <b>1992</b> , 327, 28-35	59.2	562
10	Studies of oral neutrophil levels in patients receiving G-CSF after autologous marrow transplantation. <i>British Journal of Haematology</i> , <b>1992</b> , 82, 589-95	4.5	60
9	The dissociation of GM-CSF efficacy from toxicity according to route of administration: a pharmacodynamic study. <i>British Journal of Haematology</i> , <b>1992</b> , 80, 144-50	4.5	21
8	Recombinant alpha-2b interferon in patients with malignant carcinoid tumour. <i>Australian and New Zealand Journal of Medicine</i> , <b>1991</b> , 21, 875-8		2
7	Endometrial adenocarcinoma presenting as pituitary apoplexy. <i>Australian and New Zealand Journal of Medicine</i> , <b>1990</b> , 20, 81-4		12
6	The effects of dose and route of administration on the pharmacokinetics of granulocyte-macrophage colony-stimulating factor. <i>European Journal of Cancer &amp; Clinical Oncology</i> , <b>1990</b> , 26, 1064-9		39
5	Effects of bacterially synthesized recombinant human granulocyte-macrophage colony-stimulating factor in patients with advanced malignancy. <i>Annals of Internal Medicine</i> , <b>1989</b> , 110, 357-64	8	144
4	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> , <b>1989</b> , 7, 1554-62	2.2	149
3	Pharmacology of the colony-stimulating factors. <i>Trends in Pharmacological Sciences</i> , <b>1989</b> , 10, 154-9	13.2	40
2	Early clinical trials with colony-stimulating factors. <i>Cancer Investigation</i> , <b>1989</b> , 7, 443-56	2.1	15
1	Resolution of intracardiac masses. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1989</b> , 97, 637-639	1.5	3