

Stephen A Renshaw

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8038139/publications.pdf>

Version: 2024-02-01

108
papers

7,868
citations

47006

47
h-index

56724

83
g-index

132
all docs

132
docs citations

132
times ranked

9835
citing authors

#	ARTICLE	IF	CITATIONS
1	A transgenic zebrafish model of neutrophilic inflammation. <i>Blood</i> , 2006, 108, 3976-3978.	1.4	915
2	A model 450 million years in the making: zebrafish and vertebrate immunity. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 38-47.	2.4	307
3	Cxcl8 (IL-8) Mediates Neutrophil Recruitment and Behavior in the Zebrafish Inflammatory Response. <i>Journal of Immunology</i> , 2013, 190, 4349-4359.	0.8	294
4	A Zebrafish Compound Screen Reveals Modulation of Neutrophil Reverse Migration as an Anti-Inflammatory Mechanism. <i>Science Translational Medicine</i> , 2014, 6, 225ra29.	12.4	229
5	Activation of hypoxia-inducible factor-1 α (Hif-1 α) delays inflammation resolution by reducing neutrophil apoptosis and reverse migration in a zebrafish inflammation model. <i>Blood</i> , 2011, 118, 712-722.	1.4	218
6	A novel vertebrate model of <i>Staphylococcus aureus</i> infection reveals phagocyte-dependent resistance of zebrafish to non-host specialized pathogens. <i>Cellular Microbiology</i> , 2008, 10, 2312-2325.	2.1	185
7	Simultaneous intravital imaging of macrophage and neutrophil behaviour during inflammation using a novel transgenic zebrafish. <i>Thrombosis and Haemostasis</i> , 2011, 105, 811-819.	3.4	182
8	Evolution of the Inflammatory Response in Vertebrates: Fish TNF α Is a Powerful Activator of Endothelial Cells but Hardly Activates Phagocytes. <i>Journal of Immunology</i> , 2008, 181, 5071-5081.	0.8	176
9	Purification of Nanoparticles by Size and Shape. <i>Scientific Reports</i> , 2016, 6, 27494.	3.3	169
10	PGE ₂ production at sites of tissue injury promotes an anti-inflammatory neutrophil phenotype and determines the outcome of inflammation resolution in vivo. <i>Science Advances</i> , 2018, 4, eaar8320.	10.3	165
11	Acceleration of Human Neutrophil Apoptosis by TRAIL. <i>Journal of Immunology</i> , 2003, 170, 1027-1033.	0.8	164
12	Unraveling Tissue Regeneration Pathways Using Chemical Genetics. <i>Journal of Biological Chemistry</i> , 2007, 282, 35202-35210.	3.4	159
13	Reverse Migration of Neutrophils: Where, When, How, and Why?. <i>Trends in Immunology</i> , 2016, 37, 273-286.	6.8	146
14	<i>Cryptococcus neoformans</i> Intracellular Proliferation and Capsule Size Determines Early Macrophage Control of Infection. <i>Scientific Reports</i> , 2016, 6, 21489.	3.3	139
15	Functional drug screening reveals anticonvulsants as enhancers of mTOR α -independent autophagic killing of <i>Mycobacterium tuberculosis</i> through inositol depletion. <i>EMBO Molecular Medicine</i> , 2015, 7, 127-139.	6.9	137
16	Zebrafish as a model for the study of neutrophil biology. <i>Journal of Leukocyte Biology</i> , 2013, 94, 633-642.	3.3	129
17	Hypoxia Inducible Factor Signaling Modulates Susceptibility to Mycobacterial Infection via a Nitric Oxide Dependent Mechanism. <i>PLoS Pathogens</i> , 2013, 9, e1003789.	4.7	129
18	The Role of Macrophages in <i>Staphylococcus aureus</i> Infection. <i>Frontiers in Immunology</i> , 2020, 11, 620339.	4.8	129

#	ARTICLE	IF	CITATIONS
19	TNF-related apoptosis-inducing ligand (TRAIL) regulates inflammatory neutrophil apoptosis and enhances resolution of inflammation. <i>Journal of Leukocyte Biology</i> , 2011, 90, 855-865.	3.3	126
20	Hypoxia-inducible factor 2 β regulates key neutrophil functions in humans, mice, and zebrafish. <i>Blood</i> , 2014, 123, 366-376.	1.4	124
21	Oxazolone-Induced Enterocolitis in Zebrafish Depends on the Composition of the Intestinal Microbiota. <i>Gastroenterology</i> , 2009, 137, 1757-1767.e1.	1.3	121
22	<i>Burkholderia cenocepacia</i> Creates an Intramacrophage Replication Niche in Zebrafish Embryos, Followed by Bacterial Dissemination and Establishment of Systemic Infection. <i>Infection and Immunity</i> , 2010, 78, 1495-1508.	2.2	121
23	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
24	Neutrophil-Delivered Myeloperoxidase Dampens the Hydrogen Peroxide Burst after Tissue Wounding in Zebrafish. <i>Current Biology</i> , 2012, 22, 1818-1824.	3.9	117
25	Pivotal Advance: Pharmacological manipulation of inflammation resolution during spontaneously resolving tissue neutrophilia in the zebrafish. <i>Journal of Leukocyte Biology</i> , 2009, 87, 203-212.	3.3	115
26	Live Imaging of Tumor Initiation in Zebrafish Larvae Reveals a Trophic Role for Leukocyte-Derived PGE ₂ . <i>Current Biology</i> , 2012, 22, 1253-1259.	3.9	109
27	Glucocerebrosidase 1 deficient <i>Danio rerio</i> mirror key pathological aspects of human Gaucher disease and provide evidence of early microglial activation preceding alpha-synuclein-independent neuronal cell death. <i>Human Molecular Genetics</i> , 2015, 24, 6640-6652.	2.9	108
28	A privileged intraphagocyte niche is responsible for disseminated infection of <i>Staphylococcus aureus</i> in a zebrafish model. <i>Cellular Microbiology</i> , 2012, 14, 1600-1619.	2.1	107
29	The CXCL12/CXCR4 Signaling Axis Retains Neutrophils at Inflammatory Sites in Zebrafish. <i>Frontiers in Immunology</i> , 2019, 10, 1784.	4.8	97
30	Glucose metabolism impacts the spatiotemporal onset and magnitude of HSC induction in vivo. <i>Blood</i> , 2013, 121, 2483-2493.	1.4	96
31	pH-Sensitive Tubular Polymersomes: Formation and Applications in Cellular Delivery. <i>ACS Nano</i> , 2014, 8, 4650-4661.	14.6	91
32	Defining the phenotype of neutrophils following reverse migration in zebrafish. <i>Journal of Leukocyte Biology</i> , 2015, 98, 975-981.	3.3	85
33	Human skin commensals augment <i>Staphylococcus aureus</i> pathogenesis. <i>Nature Microbiology</i> , 2018, 3, 881-890.	13.3	80
34	Clonal Expansion during <i>Staphylococcus aureus</i> Infection Dynamics Reveals the Effect of Antibiotic Intervention. <i>PLoS Pathogens</i> , 2014, 10, e1003959.	4.7	73
35	A Zebrafish Model to Study and Therapeutically Manipulate Hypoxia Signaling in Tumorigenesis. <i>Cancer Research</i> , 2012, 72, 4017-4027.	0.9	71
36	A Spaetzle-like role for nerve growth factor β in vertebrate immunity to <i>Staphylococcus aureus</i> . <i>Science</i> , 2014, 346, 641-646.	12.6	68

#	ARTICLE	IF	CITATIONS
37	Fully synthetic polymer vesicles for intracellular delivery of antibodies in live cells. <i>FASEB Journal</i> , 2013, 27, 98-108.	0.5	67
38	Regulation of Neutrophil Senescence by MicroRNAs. <i>PLoS ONE</i> , 2011, 6, e15810.	2.5	65
39	Hif-1 α -Induced Expression of Il-1 β Protects against Mycobacterial Infection in Zebrafish. <i>Journal of Immunology</i> , 2019, 202, 494-502.	0.8	64
40	Inflammatory neutrophils retain susceptibility to apoptosis mediated via the Fas death receptor. <i>Journal of Leukocyte Biology</i> , 2000, 67, 662-668.	3.3	62
41	Zebrafish tissue injury causes up-regulation of interleukin-1 and caspase dependent amplification of the inflammatory response. <i>DMM Disease Models and Mechanisms</i> , 2013, 7, 259-64.	2.4	58
42	CFTR Protects against Mycobacterium abscessus Infection by Fine-Tuning Host Oxidative Defenses. <i>Cell Reports</i> , 2019, 26, 1828-1840.e4.	6.4	58
43	Apoptosis and the regulation of neutrophil lifespan. <i>Biochemical Society Transactions</i> , 1999, 27, 802-807.	3.4	57
44	Exploring the HIFs, buts and maybes of hypoxia signalling in disease: lessons from zebrafish models. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 1349-1360.	2.4	57
45	Granulocyte apoptosis in the pathogenesis and resolution of lung disease. <i>Clinical Science</i> , 2006, 110, 293-304.	4.3	55
46	Repelled from the wound, or randomly dispersed? Reverse migration behaviour of neutrophils characterized by dynamic modelling. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3229-3239.	3.4	55
47	Tnfa Signaling Through Tnfr2 Protects Skin Against Oxidative Stress α -Induced Inflammation. <i>PLoS Biology</i> , 2014, 12, e1001855.	5.6	55
48	Identification of Staphylococcus aureus Factors Required for Pathogenicity and Growth in Human Blood. <i>Infection and Immunity</i> , 2017, 85, .	2.2	53
49	Hyperpolarised xenon magnetic resonance spectroscopy for the longitudinal assessment of changes in gas diffusion in IPF. <i>Thorax</i> , 2019, 74, 500-502.	5.6	53
50	The autophagic response to <i>Staphylococcus aureus</i> provides an intracellular niche in neutrophils. <i>Autophagy</i> , 2021, 17, 888-902.	9.1	49
51	Effective Caspase Inhibition Blocks Neutrophil Apoptosis and Reveals Mcl-1 as Both a Regulator and a Target of Neutrophil Caspase Activation. <i>PLoS ONE</i> , 2011, 6, e15768.	2.5	48
52	Polymersomes Eradicating Intracellular Bacteria. <i>ACS Nano</i> , 2020, 14, 8287-8298.	14.6	47
53	Identifying and hurdling obstacles to translational research. <i>Nature Reviews Immunology</i> , 2007, 7, 77-82.	22.7	46
54	NR4A orphan nuclear receptor family members, NR4A2 and NR4A3, regulate neutrophil number and survival. <i>Blood</i> , 2017, 130, 1014-1025.	1.4	46

#	ARTICLE	IF	CITATIONS
55	MODELING INFLAMMATION IN THE ZEBRAFISH: HOW A FISH CAN HELP US UNDERSTAND LUNG DISEASE. <i>Experimental Lung Research</i> , 2007, 33, 549-554.	1.2	42
56	A transgenic zebrafish line for in vivo visualisation of neutrophil myeloperoxidase. <i>PLoS ONE</i> , 2019, 14, e0215592.	2.5	42
57	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.	2.5	41
58	Zebrafish as a Novel Vertebrate Model To Dissect Enterococcal Pathogenesis. <i>Infection and Immunity</i> , 2013, 81, 4271-4279.	2.2	40
59	Inhibitors of neutrophil recruitment identified using transgenic zebrafish to screen a natural product library. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 163-9.	2.4	40
60	The IL-1 family in fish: Swimming through the muddy waters of inflammasome evolution. <i>Developmental and Comparative Immunology</i> , 2014, 46, 53-62.	2.3	40
61	Using in vivo zebrafish models to understand the biochemical basis of neutrophilic respiratory disease. <i>Biochemical Society Transactions</i> , 2009, 37, 830-837.	3.4	39
62	<i>Staphylococcus aureus</i> cell wall structure and dynamics during host-pathogen interaction. <i>PLoS Pathogens</i> , 2021, 17, e1009468.	4.7	36
63	Pioneer neutrophils release chromatin within in vivo swarms. <i>ELife</i> , 2021, 10, .	6.0	36
64	The failure of microglia to digest developmental apoptotic cells contributes to the pathology of RNASET2-deficient leukoencephalopathy. <i>Glia</i> , 2020, 68, 1531-1545.	4.9	35
65	Three Novel Bid Proteins Generated by Alternative Splicing of the Human Bid Gene. <i>Journal of Biological Chemistry</i> , 2004, 279, 2846-2855.	3.4	31
66	Deficiency of tumour necrosis factor-related apoptosis-inducing ligand exacerbates lung injury and fibrosis. <i>Thorax</i> , 2012, 67, 796-803.	5.6	31
67	15-keto-prostaglandin E2 activates host peroxisome proliferator-activated receptor gamma (PPAR- γ) to promote <i>Cryptococcus neoformans</i> growth during infection. <i>PLoS Pathogens</i> , 2019, 15, e1007597.	4.7	30
68	Demonstration of the role of cell wall homeostasis in <i>Staphylococcus aureus</i> growth and the action of bactericidal antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30
69	Drift-Diffusion Analysis of Neutrophil Migration during Inflammation Resolution in a Zebrafish Model. <i>Advances in Hematology</i> , 2012, 2012, 1-8.	1.0	29
70	Serum and Glucocorticoid-Induced Kinase 1 Regulates Neutrophil Clearance during Inflammation Resolution. <i>Journal of Immunology</i> , 2014, 192, 1796-1805.	0.8	29
71	Identification of benzopyrone as a common structural feature in compounds with anti-inflammatory activity in a zebrafish phenotypic screen. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 621-32.	2.4	28
72	Targeting Neutrophilic Inflammation Using Polymersome-Mediated Cellular Delivery. <i>Journal of Immunology</i> , 2017, 198, 3596-3604.	0.8	27

#	ARTICLE	IF	CITATIONS
73	Staphylococcus aureus: setting its sights on the human innate immune system. Microbiology (United Kingdom) Tj ETQq1 1 0.784314 1.8 BT /Over	1.8	25
74	A method for transplantation of human HSCs into zebrafish, to replace humanised murine transplantation models. F1000Research, 2018, 7, 594.	1.6	25
75	Measuring Inflammatory Cell Migration in the Zebrafish. Methods in Molecular Biology, 2011, 769, 261-275.	0.9	24
76	A Method for the <i>In Vivo</i> Measurement of Zebrafish Tissue Neutrophil Lifespan. ISRN Hematology, 2012, 2012, 1-6.	1.6	23
77	Polymeric nanobiotics as a novel treatment for mycobacterial infections. Journal of Controlled Release, 2019, 314, 116-124.	9.9	23
78	Expression and regulation of drug transporters in vertebrate neutrophils. Scientific Reports, 2017, 7, 4967.	3.3	22
79	Deletion of <i>cftr</i> Leads to an Excessive Neutrophilic Response and Defective Tissue Repair in a Zebrafish Model of Sterile Inflammation. Frontiers in Immunology, 2020, 11, 1733.	4.8	21
80	Neutrophils use selective autophagy receptor <i>Sqstm1/p62</i> to target <i>Staphylococcus aureus</i> for degradation <i>in vivo</i> in zebrafish. Autophagy, 2021, 17, 1448-1457.	9.1	21
81	Inhibition of ErbB kinase signalling promotes resolution of neutrophilic inflammation. ELife, 2019, 8, .	6.0	20
82	Pathways regulating lipopolysaccharide-induced neutrophil survival revealed by lentiviral transduction of primary human neutrophils. Immunology, 2009, 127, 249-255.	4.4	19
83	Bacterial size matters: Multiple mechanisms controlling septum cleavage and diplococcus formation are critical for the virulence of the opportunistic pathogen <i>Enterococcus faecalis</i> . PLoS Pathogens, 2017, 13, e1006526.	4.7	18
84	The Neutrophil's Eye-View: Inference and Visualisation of the Chemoattractant Field Driving Cell Chemotaxis <i>In Vivo</i> . PLoS ONE, 2012, 7, e35182.	2.5	17
85	Expression of pro-apoptotic <i>Bfk</i> isoforms reduces during malignant transformation in the human gastrointestinal tract. FEBS Letters, 2005, 579, 3646-3650.	2.8	16
86	The NOTCH pathway contributes to cell fate decision in myelopoiesis. Haematologica, 2011, 96, 1753-1760.	3.5	15
87	Quantification of pulmonary perfusion in idiopathic pulmonary fibrosis with first pass dynamic contrast-enhanced perfusion MRI. Thorax, 2021, 76, 144-151.	5.6	15
88	A method for transplantation of human HSCs into zebrafish, to replace humanised murine transplantation models. F1000Research, 2018, 7, 594.	1.6	14
89	Blood vessel occlusion by <i>Cryptococcus neoformans</i> is a mechanism for haemorrhagic dissemination of infection. PLoS Pathogens, 2022, 18, e1010389.	4.7	13
90	Semaphorin 3F signaling actively retains neutrophils at sites of inflammation. Journal of Clinical Investigation, 2020, 130, 3221-3237.	8.2	12

#	ARTICLE	IF	CITATIONS
91	Incremental shuttle walk test in the assessment of patients with obstructive sleep apnea—hypopnea syndrome. <i>Journal of Sleep Research</i> , 2013, 22, 471-477.	3.2	10
92	Developing Novel Host-Based Therapies Targeting Microbicidal Responses in Macrophages and Neutrophils to Combat Bacterial Antimicrobial Resistance. <i>Frontiers in Immunology</i> , 2020, 11, 786.	4.8	10
93	Commensal bacteria augment <i>Staphylococcus aureus</i> infection by inactivation of phagocyte-derived reactive oxygen species. <i>PLoS Pathogens</i> , 2021, 17, e1009880.	4.7	8
94	Evaluation of the anti-inflammatory effects of synthesised tanshinone I and isotanshinone I analogues in zebrafish. <i>PLoS ONE</i> , 2020, 15, e0240231.	2.5	7
95	The triune of intestinal microbiome, genetics and inflammatory status and its impact on the healing of lower gastrointestinal anastomoses. <i>FEBS Journal</i> , 2018, 285, 1212-1225.	4.7	6
96	Zebrafish screens for new colitis treatments — a bottom-up approach. <i>FEBS Journal</i> , 2017, 284, 399-401.	4.7	4
97	Zebrafish models of the immune response: taking it on the ChIn. <i>BMC Biology</i> , 2010, 8, 148.	3.8	3
98	A subset of gut leukocytes has telomerase-dependent —hyper-long—telomeres and require telomerase for function in zebrafish. <i>Immunity and Ageing</i> , 2022, 19, .	4.2	3
99	Human-specific staphylococcal virulence factors enhance pathogenicity in a humanised zebrafish C5a receptor model. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	2
100	Roscovitine Worsens <i>Mycobacterium abscessus</i> Infection by Reducing DUOX2-mediated Neutrophil Response. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 66, 439-451.	2.9	2
101	Mechanisms of Neutrophil Apoptosis and the Regulation of Inflammation. <i>Biochemical Society Transactions</i> , 1999, 27, A134-A134.	3.4	1
102	Local affine texture tracking for serial registration of zebrafish images. , 2012, , .		1
103	Estimation of Hidden Chemoattractant Field from Observed Cell Migration Patterns. <i>IFAC-PapersOnLine</i> , 2018, 51, 766-771.	0.9	1
104	A zebrafish reporter line reveals immune and neuronal expression of endogenous retrovirus. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	2.4	1
105	Identification and Characterisation of 3 Novel Bid Isoforms. <i>Clinical Science</i> , 2002, 103, 54P-54P.	0.0	0
106	A Bayesian framework for identifying cell migration dynamics. , 2013, 2013, 3455-8.		0
107	Use of Larval Zebrafish Model to Study Within-Host Infection Dynamics. <i>Methods in Molecular Biology</i> , 2018, 1736, 147-156.	0.9	0
108	Phagosomal Acidification Is Required to Kill <i>Streptococcus pneumoniae</i> in a Zebrafish Model. <i>Cellular Microbiology</i> , 2022, 2022, 1-13.	2.1	0