Petros Ligoxygakis

List of Publications by Year
in descending order

46 papers	2,983 citations	236833 25 h-index	254106 43 g-index
51 all docs	51 docs citations	51 times ranked	3585 citing authors

#	Article	IF	Citations
1	Evolutionary Dynamics of Immune-Related Genes and Pathways in Disease-Vector Mosquitoes. Science, 2007, 316, 1738-1743.	6.0	550
2	Activation of Drosophila Toll During Fungal Infection by a Blood Serine Protease. Science, 2002, 297, 114-116.	6.0	317
3	A serpin mutant links Toll activation to melanization in the host defence of Drosophila. EMBO Journal, 2002, 21, 6330-6337.	3.5	244
4	<i>Drosophila</i>as a model system to unravel the layers of innate immunity to infection. Open Biology, 2012, 2, 120075.	1.5	162
5	NF-ÎºB Immunity in the Brain Determines Fly Lifespan in Healthy Aging and Age-Related Neurodegeneration. Cell Reports, 2017, 19, 836-848.	2.9	155
6	Prophenoloxidase activation is not required for survival to microbial infections in Drosophila. EMBO Reports, 2006, 7, 231-235.	2.0	131
7	Toll-dependent antimicrobial responses in<i>Drosophila</i>larval fat body require SpaÌˆtzle secreted by haemocytes. Journal of Cell Science, 2009, 122, 4505-4515.	1.2	127
8	Requirements of peptidoglycan structure that allow detection by the Drosophila Toll pathway. EMBO Reports, 2005, 6, 327-333.	2.0	99
9	A Serpin Regulates Dorsal-Ventral Axis Formation in the Drosophila Embryo. Current Biology, 2003, 13, 2097-2102.	1.8	90
10	Sensing of Gram-positive bacteria in Drosophila: GNBP1 is needed to process and present peptidoglycan to PGRP-SA. EMBO Journal, 2006, 25, 5005-5014.	3.5	88
11	Pathogen recognition and signalling in the Drosophila innate immune response. Immunobiology, 2006, 211, 251-261.	0.8	82
12	Staphylococcus aureus Survives with a Minimal Peptidoglycan Synthesis Machine but Sacrifices Virulence and Antibiotic Resistance. PLoS Pathogens, 2015, 11, e1004891.	2.1	82
13	Drosophila as a model to study the role of blood cells in inflammation, innate immunity and cancer. Frontiers in Cellular and Infection Microbiology, 2014, 3, 113.	1.8	76
14	A Spaetzle-like role for nerve growth factor Î² in vertebrate immunity to <i>Staphylococcus aureus</i>. Science, 2014, 346, 641-646.	6.0	68
15	Critical evaluation of the role of the Tollâ€like receptor 18â€Wheeler in the host defense ofDrosophila. EMBO Reports, 2002, 3, 666-673.	2.0	67
16	Pathogen and host factors are needed to provoke a systemic host response to gastrointestinal infection of<i>Drosophila</i>larvae by<i>Candida albicans</i>. DMM Disease Models and Mechanisms, 2011, 4, 515-525.	1.2	60
17	Loss of Trabid, a New Negative Regulator of the Drosophila Immune-Deficiency Pathway at the Level of TAK1, Reduces Life Span. PLoS Genetics, 2014, 10, e1004117.	1.5	58
18	A Drosophila ortholog of the human cylindromatosis tumor suppressor gene regulates triglyceride content and antibacterial defense. Development (Cambridge), 2007, 134, 2605-2614.	1.2	57

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19	Antimicrobial defences in Drosophila: the story so far. Molecular Immunology, 2004, 40, 887-896.	1.0	55
20	Wall Teichoic Acids of Staphylococcus aureus Limit Recognition by the Drosophila Peptidoglycan Recognition Protein-SA to Promote Pathogenicity. PLoS Pathogens, 2011, 7, e1002421.	2.1	46
21	Wild-type <i>Drosophila melanogaster</i> as an alternative model system for investigating the pathogenicity of <i>Candida albicans</i>. DMM Disease Models and Mechanisms, 2011, 4, 504-514.	1.2	45
22	Short-Term Starvation of Immune Deficient Drosophila Improves Survival to Gram-Negative Bacterial Infections. PLoS ONE, 2009, 4, e4490.	1.1	36
23	Peptidoglycan recognition protein-SD provides versatility of receptor formation in <i>Drosophila</i> immunity. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11881-11886.	3.3	35
24	Bacterial autolysins trim cell surface peptidoglycan to prevent detection by the Drosophila innate immune system. ELife, 2014, 3, e02277.	2.8	32
25	Accessibility to Peptidoglycan Is Important for the Recognition of Gram-Positive Bacteria in Drosophila. Cell Reports, 2019, 27, 2480-2492.e6.	2.9	32
26	Interaction Between Familial Transmission and a Constitutively Active Immune System Shapes Gut Microbiota in Drosophila melanogaster. Genetics, 2017, 206, 889-904.	1.2	30
27	MicroRNAs That Contribute to Coordinating the Immune Response in<i>Drosophila melanogaster</i>. Genetics, 2017, 207, 163-178.	1.2	22
28	Genetics of Immune Recognition and Response in Drosophila host defense. Advances in Genetics, 2013, 83, 71-97.	0.8	20
29	Exploring interactions between pathogens and the Drosophila gut. Developmental and Comparative Immunology, 2016, 64, 3-10.	1.0	17
30	Intestinal NF-ÎºB and STAT signalling is important for uptake and clearance in a Drosophila-Herpetomonas interaction model. PLoS Genetics, 2019, 15, e1007931.	1.5	15
31	A Host-Pathogen Interaction Screen Identifies <i>ada2</i> as a Mediator of <i>Candida glabrata</i> Defenses Against Reactive Oxygen Species. G3: Genes, Genomes, Genetics, 2018, 8, 1637-1647.	0.8	12
32	Transcriptional and genomic parallels between the monoxenous parasite Herpetomonas muscarum and Leishmania. PLoS Genetics, 2019, 15, e1008452.	1.5	12
33	Convergence of longevity and immunity: lessons from animal models. Biogerontology, 2019, 20, 271-278.	2.0	10
34	Beyond Host Defense: Deregulation of Drosophila Immunity and Age-Dependent Neurodegeneration. Frontiers in Immunology, 2020, 11, 1574.	2.2	9
35	HYD3, a conidial hydrophobin of the fungal entomopathogen Metarhizium acridum induces the immunity of its specialist host locust. International Journal of Biological Macromolecules, 2020, 165, 1303-1311.	3.6	8
36	The Phlebotomus papatasi systemic transcriptional response to trypanosomatid-contaminated blood does not differ from the non-infected blood meal. Parasites and Vectors, 2021, 14, 15.	1.0	7

#	Article	IF	Citations
37	Bacterial recognition by PGRP-SA and downstream signalling by Toll/DIF sustain commensal gut bacteria in Drosophila. PLoS Genetics, 2022, 18, e1009992.	1.5	7
38	Immunity: Insect Immune Memory Goes Viral. Current Biology, 2017, 27, R1218-R1220.	1.8	6
39	Functional analysis of the C. elegans cyld-1 gene reveals extensive similarity with its human homolog. PLoS ONE, 2018, 13, e0191864.	1.1	6
40	From pathogen to a commensal: modification of the<i>Microbacterium nematophilum-C. elegans</i>interaction during chronic infection by the absence of host insulin signalling. Biology Open, 2020, 9, .	0.6	2
41	A genetic screen in Drosophila reveals the role of fucosylation in host susceptibility to Candida infection. DMM Disease Models and Mechanisms, 2022, , .	1.2	2
42	Tools for the Genetic Manipulation of <i>Herpetomonas muscarum</i>. G3: Genes, Genomes, Genetics, 2020, 10, 1613-1616.	0.8	1
43	Drosophila Responses to Microbial Infection: an Overview. , 2014, , 31-44.		0
44	Title is missing!. , 2019, 15, e1008452.		0
45	Title is missing!. , 2019, 15, e1008452.		0
46	Title is missing!. , 2019, 15, e1008452.		0