Thomas Roeder

List of Publications by Year
in descending order

111 papers	4,599 citations	94381 37 h-index	114418 63 g-index
120 all docs	120 docs citations	120 times ranked	4874 citing authors

#	Article	IF	Citations
1	Metabolic and immunological responses of Drosophila melanogaster to dietary restriction and bacterial infection differ substantially between genotypes in a population. Ecology and Evolution, 2022, 12, .	0.8	3
2	Ectopic Expression of Plasmodium vivax vir Genes in P. falciparum Affects Cytoadhesion via Increased Expression of Specific var Genes. Microorganisms, 2022, 10, 1183.	1.6	1
3	Early-life exposure to tobacco smoke alters airway signaling pathways and later mortality in D. melanogaster. Environmental Pollution, 2022, 309, 119696.	3.7	1
4	Monoterpenes alter TAR1-driven physiology in Drosophila species. Journal of Experimental Biology, 2021, 224, .	0.8	8
5	Response of Retinal Pigment Epithelium (RPE)â€Choroid Explants to Thermal Stimulation Therapy of the RPE (TSR). Lasers in Surgery and Medicine, 2021, 53, 359-369.	1.1	3
6	Sex dependent effect of maternal e-nicotine on F1 Drosophila development and airways. Scientific Reports, 2021, 11, 4441.	1.6	11
7	Taxon-Specific Proteins of the Pathogenic Entamoeba Species E. histolytica and E. nuttalli. Frontiers in Cellular and Infection Microbiology, 2021, 11, 641472.	1.8	9
8	Constitutive immune activity promotes JNK- and FoxO-dependent remodeling of Drosophila airways. Cell Reports, 2021, 35, 108956.	2.9	22
9	The Insect Type 1 Tyramine Receptors: From Structure to Behavior. Insects, 2021, 12, 315.	1.0	21
10	Phytochrome Mediated Responses in Agrobacterium fabrum: Growth, Motility and Plant Infection. Current Microbiology, 2021, 78, 2708-2719.	1.0	4
11	Altered Cytokine Response of Human Brain Endothelial Cells after Stimulation with Malaria Patient Plasma. Cells, 2021, 10, 1656.	1.8	4
12	Driver mutations in major lung cancer oncogenes can be analyzed in Drosophila models. ALTEX: Alternatives To Animal Experimentation, 2021, 38, 235-244.	0.9	2
13	Low-protein diet applied as part of combination therapy or stand-alone normalizes lifespan and tumor proliferation in a model of intestinal cancer. Aging, 2021, 13, 24017-24036.	1.4	7
14	Factors that affect the translation of dietary restriction into a longer life. IUBMB Life, 2020, 72, 814-824.	1.5	15
15	An Alcohol Dehydrogenase 3 (ADH3) from Entamoeba histolytica Is Involved in the Detoxification of Toxic Aldehydes. Microorganisms, 2020, 8, 1608.	1.6	6
16	A high-fat diet induces a microbiota-dependent increase in stem cell activity in the Drosophila intestine. PLoS Genetics, 2020, 16, e1008789.	1.5	26
17	Adhesion between P. falciparum infected erythrocytes and human endothelial receptors follows alternative binding dynamics under flow and febrile conditions. Scientific Reports, 2020, 10, 4548.	1.6	6
18	The control of metabolic traits by octopamine and tyramine in invertebrates. Journal of Experimental Biology, 2020, 223, .	0.8	50

#	Article	IF	Citations
19	Bibliometric analysis of personalized humanized mouse and Drosophila models for effective combinational therapy in cancer patients. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165880.	1.8	5
20	Copper and cadmium administration induce toxicity and oxidative stress in the marine flatworm Macrostomum lignano. Aquatic Toxicology, 2020, 221, 105428.	1.9	12
21	Stringent Selection of Knobby Plasmodium falciparum-Infected Erythrocytes during Cytoadhesion at Febrile Temperature. Microorganisms, 2020, 8, 174.	1.6	6
22	Furbellow (Brown Algae) Extract Increases Lifespan in Drosophila by Interfering with TOR-Signaling. Nutrients, 2020, 12, 1172.	1.7	4
23	Comparative analysis of amplicon and metagenomic sequencing methods reveals key features in the evolution of animal metaorganisms. Microbiome, 2019, 7, 133.	4.9	141
24	Chronic dysfunction of Stromal interaction molecule by pulsed RNAi induction in fat tissue impairs organismal energy homeostasis in Drosophila. Scientific Reports, 2019, 9, 6989.	1.6	7
25	An EGFR-Induced Drosophila Lung Tumor Model Identifies Alternative Combination Treatments. Molecular Cancer Therapeutics, 2019, 18, 1659-1668.	1.9	14
26	Research trends in food chemistry: A bibliometric review of its 40â€¯years anniversary (1976â€“2016). Food Chemistry, 2019, 294, 448-457.	4.2	95
27	Drosophila melanogaster in nutrition researchâ€”the importance of standardizing experimental diets. Genes and Nutrition, 2019, 14, 3.	1.2	30
28	Triggerâ€induced RNAi gene silencing to identify pathogenicity factors of Entamoeba histolytica. FASEB Journal, 2019, 33, 1658-1668.	0.2	12
29	Octopamine and its Receptors are Involved in the Modulation of the Immune Response in Drosophila melanogaster. , 2019, 73, .		1
30	The Role of Serine Peptidase Inhibitor Gene Variants in Asthma Development. , 2019, 73, .		0
31	Impaired Wnt signaling in dopamine containing neurons is associated with pathogenesis in a rotenone triggered Drosophila Parkinsonâ€™s disease model. Scientific Reports, 2018, 8, 2372.	1.6	43
32	Nutritional regimens with periodically recurring phases of dietary restriction extend lifespan in Drosophila. FASEB Journal, 2018, 32, 1993-2003.	0.2	13
33	A Drosophila model of cigarette smoke induced COPD identifies Nrf2 signaling as an expedient target for intervention. Aging, 2018, 10, 2122-2135.	1.4	22
34	Grow With the Challenge â€“ Microbial Effects on Epithelial Proliferation, Carcinogenesis, and Cancer Therapy. Frontiers in Microbiology, 2018, 9, 2020.	1.5	26
35	Hormonal modulation of cannibalistic behaviors in mosquito (Culex pipiens) larvae. Journal of Insect Physiology, 2018, 109, 144-148.	0.9	6
36	Characterisation of Plasmodium falciparum populations selected on the human endothelial receptors P-selectin, E-selectin, CD9 and CD151. Scientific Reports, 2017, 7, 4069.	1.6	13

#	Article	IF	Citations
37	An extract from the Atlantic brown algae Saccorhiza polyschides counteracts diet-induced obesity in mice via a gut related multi-factorial mechanisms. Oncotarget, 2017, 8, 73501-73515.	0.8	20
38	The Role of Monoaminergic Neurotransmission for Metabolic Control in the Fruit Fly Drosophila Melanogaster. Frontiers in Systems Neuroscience, 2017, 11, 60.	1.2	22
39	Drosophila Fecal Sampling. Bio-protocol, 2017, 7, e2547.	0.2	2
40	Social stress increases the susceptibility to infection in the ant Harpegnathos saltator. Scientific Reports, 2016, 6, 25800.	1.6	14
41	Octopamine controls starvation resistance, life span and metabolic traits in Drosophila. Scientific Reports, 2016, 6, 35359.	1.6	74
42	The Effect of Nutritive Yeasts on the Fitness of the Fruit FlyDrosophila melanogaster(Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.6	7
43	Intestinal FoxO signaling is required to survive oral infection in Drosophila. Mucosal Immunology, 2016, 9, 927-936.	2.7	70
44	Overexpression of Differentially Expressed Genes Identified in Non-pathogenic and Pathogenic Entamoeba histolytica Clones Allow Identification of New Pathogenicity Factors Involved in Amoebic Liver Abscess Formation. PLoS Pathogens, 2016, 12, e1005853.	2.1	35
45	How Well Do Surrogate Hosts Serve as Model Systems for Understanding Pathogenicity. Advances in Environmental Microbiology, 2016, , 3-25.	0.1	1
46	Type of in vitro cultivation influences cytoadhesion, knob structure, protein localization and transcriptome profile of Plasmodium falciparum. Scientific Reports, 2015, 5, 16766.	1.6	15
47	ORMDL deregulation increases stress responses and modulates repair pathways in Drosophila airways. Journal of Allergy and Clinical Immunology, 2015, 136, 1105-1108.	1.5	15
48	Expression analysis of octopamine and tyramine receptors in Drosophila. Cell and Tissue Research, 2015, 361, 669-684.	1.5	87
49	THE OCTOPAMINE RECEPTOR octÃŸ2R IS ESSENTIAL FOR OVULATION AND FERTILIZATION IN THE FRUIT FLY Drosophila melanogaster. Archives of Insect Biochemistry and Physiology, 2015, 88, 168-178.	0.6	60
50	The bHLH Transcription Factor Hand Regulates the Expression of Genes Critical to Heart and Muscle Function in Drosophila melanogaster. PLoS ONE, 2015, 10, e0134204.	1.1	11
51	The Cell Surface Proteome of Entamoeba histolytica. Molecular and Cellular Proteomics, 2014, 13, 132-144.	2.5	61
52	Mechanisms of Cilia-Driven Transport in the Airways in the Absence of Mucus. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 56-67.	1.4	30
53	Transcriptional Regionalization of the Fruit Flyâ€™s Airway Epithelium. PLoS ONE, 2014, 9, e102534.	1.1	10
54	Drosophila as a Model to Study Metabolic Disorders. Advances in Biochemical Engineering/Biotechnology, 2013, 135, 41-61.	0.6	14

#	Article	IF	Citations
55	Noninvasive Analysis of Microbiome Dynamics in the Fruit Fly Drosophila melanogaster. Applied and Environmental Microbiology, 2013, 79, 6984-6988.	1.4	46
56	Vitamin E supplementation and lifespan in model organisms. Ageing Research Reviews, 2013, 12, 365-375.	5.0	66
57	Vitamin C and lifespan in model organisms. Food and Chemical Toxicology, 2013, 58, 255-263.	1.8	49
58	Dermatophagoides pteronyssinus Major Allergen 1 Activates the Innate Immune Response of the Fruit Fly Drosophila melanogaster. Journal of Immunology, 2013, 190, 366-371.	0.4	9
59	EGFR signaling in the brain is necessary for olfactory learning in Drosophila larvae. Learning and Memory, 2013, 20, 194-200.	0.5	15
60	Overexpression of Sir2 in the adult fat body is sufficient to extend lifespan of male and female Drosophila. Aging, 2013, 5, 315-327.	1.4	82
61	A Diet Rich in Olive Oil Phenolics Reduces Oxidative Stress in the Heart of SAMP8 Mice by Induction of Nrf2-Dependent Gene Expression. Rejuvenation Research, 2012, 15, 71-81.	0.9	111
62	Peptidoglycan recognition protein 3 (PglyRP3) has an anti-inflammatory role in intestinal epithelial cells. Immunobiology, 2012, 217, 412-419.	0.8	20
63	The Shaker Potassium Channel Is No Target for Xenon Anesthesia in Short-SleepingDrosophila melanogasterMutants. Scientific World Journal, The, 2012, 2012, 1-4.	0.8	4
64	A Drosophila Asthma Model â€“ What the Fly Tells Us About Inflammatory Diseases of the Lung. Advances in Experimental Medicine and Biology, 2012, 710, 37-47.	0.8	31
65	PPARÎ³-dependent peptidoglycan recognition protein 3 (PGlyRP3) expression regulates proinflammatory cytokines by microbial and dietary fatty acids. Immunobiology, 2011, 216, 715-724.	0.8	32
66	Fruit Flies as Models in Biomedical Research â€“ A Drosophila Asthma Model. , 2011, , 15-27.		1
67	Protist-Type Lysozymes of the Nematode Caenorhabditis elegans Contribute to Resistance against Pathogenic Bacillus thuringiensis. PLoS ONE, 2011, 6, e24619.	1.1	57
68	Prebiotic Oligosaccharides Reduce Proinflammatory Cytokines in Intestinal Caco-2 Cells via Activation of PPARÎ³ and Peptidoglycan Recognition Protein 31â€“3. Journal of Nutrition, 2011, 141, 971-977.	1.3	133
69	Stress Resistance and Longevity Are Not Directly Linked to Levels of Enzymatic Antioxidants in the Ponerine Ant Harpegnathos saltator. PLoS ONE, 2011, 6, e14601.	1.1	24
70	Chronic activation of the epithelial immune system of the fruit fly's salivary glands has a negative effect on organismal growth and induces a peculiar set of target genes. BMC Genomics, 2010, 11, 265.	1.2	15
71	Caenopores are antimicrobial peptides in the nematode Caenorhabditis elegans instrumental in nutrition and immunity. Developmental and Comparative Immunology, 2010, 34, 203-209.	1.0	76
72	Caenopore-5: The three-dimensional structure of an antimicrobial protein from Caenorhabditis elegans. Developmental and Comparative Immunology, 2010, 34, 323-330.	1.0	22

#	Article	IF	Citations
73	Infection induces a survival program and local remodeling in the airway epithelium of the fly. FASEB Journal, 2009, 23, 2045-2054.	0.2	42
74	Drosophila in Asthma Research. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 979-983.	2.5	44
75	Major cysteine peptidases of Entamoeba histolytica are required for aggregation and digestion of erythrocytes but are dispensable for phagocytosis and cytopathogenicity. Molecular Microbiology, 2009, 72, 658-667.	1.2	49
76	Molecular architecture of the fruit fly's airway epithelial immune system. BMC Genomics, 2008, 9, 446.	1.2	59
77	Distinct Roles for Two Histamine Receptors (hclAandhclB) at theDrosophilaPhotoreceptor Synapse. Journal of Neuroscience, 2008, 28, 7250-7259.	1.7	84
78	Protozoan parasites: programmed cell death as a mechanism of parasitism. Trends in Parasitology, 2007, 23, 376-383.	1.5	79
79	TYRAMINE AND OCTOPAMINE: Ruling Behavior and Metabolism. Annual Review of Entomology, 2005, 50, 447-477.	5.7	585
80	Differential transcription in defined parts of the insect brain: comparative study utilizing Drosophila melanogaster and Schistocerca gregaria. Invertebrate Neuroscience, 2004, 5, 77-83.	1.8	2
81	A green-fluorescent-protein-based assay for the characterization of G-protein-coupled receptors. Analytical Biochemistry, 2004, 332, 38-45.	1.1	8
82	A Peroxiredoxin Specifically Expressed in Two Types of Pharyngeal Neurons is Required for Normal Growth and Egg Production in Caenorhabditis elegans. Journal of Molecular Biology, 2004, 338, 745-755.	2.0	45
83	Metabotropic histamine receptorsâ€"nothing for invertebrates?. European Journal of Pharmacology, 2003, 466, 85-90.	1.7	39
84	Tyramine and octopamine: Antagonistic modulators of behavior and metabolism. Archives of Insect Biochemistry and Physiology, 2003, 54, 1-13.	0.6	143
85	Surrogate hosts: protozoa and invertebrates as models for studying pathogen-host interactions. International Journal of Medical Microbiology, 2003, 293, 321-332.	1.5	35
86	Functional Annotation of Two Orphan G-protein-coupled Receptors, Drostar1 and -2, from Drosophila melanogaster and Their Ligands by Reverse Pharmacology. Journal of Biological Chemistry, 2002, 277, 39937-39943.	1.6	117
87	Gelelectrophoretic studies on labial gland secretions of immature blackflies (Simuliidae, Diptera). Limnologica, 2002, 32, 201-205.	0.7	5
88	Biochemistry and molecular biology of receptors for biogenic amines in locusts. Microscopy Research and Technique, 2002, 56, 237-247.	1.2	47
89	Differential gene expression in Entamoeba histolytica isolated from amoebic liver abscess. Molecular Microbiology, 2002, 44, 1063-1072.	1.2	57
90	Putative histamine-gated chloride channel subunits of the insect visual system and thoracic ganglion. Journal of Neurochemistry, 2002, 83, 504-514.	2.1	54

#	Article	IF	Citations
91	Photoaffinity Labeling of a Neuronal Octopamine Receptor. Journal of Neurochemistry, 2002, 63, 1516-1521.	2.1	6
92	Simple and Efficient Cloning of Small Polymerase Chain Reaction-Generated DNA Products. Analytical Biochemistry, 2000, 285, 278-280.	1.1	4
93	Octopamine receptors in the honey bee and locust nervous system: pharmacological similarities between homologous receptors of distantly related species. British Journal of Pharmacology, 2000, 130, 587-594.	2.7	55
94	The pharmacology of a dopamine receptor in the locust nervous tissue. European Journal of Pharmacology, 2000, 396, 59-65.	1.7	31
95	Octopamine in invertebrates. Progress in Neurobiology, 1999, 59, 533-561.	2.8	512
96	Isolation of ultrapure supercoiled plasmid-DNA using preparative electrophoresis. Electrophoresis, 1998, 19, 1575-1576.	1.3	3
97	Analysis of differential gene expression in the central nervous system of Schistocerca gregaria by differential display PCR. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1998, 182, 627-633.	0.7	8
98	Epinastine, a highly specific antagonist of insect neuronal octopamine receptors. European Journal of Pharmacology, 1998, 349, 171-177.	1.7	88
99	Solid-phase cDNA library construction, a versatile approach. Nucleic Acids Research, 1998, 26, 3451-3452.	6.5	16
100	Chapter 25 Pharmacology and molecular biology of octopamine receptors from different insect species. Progress in Brain Research, 1995, 106, 249-258.	0.9	17
101	The solubilized locust neuronal 3H-mianserin binding site, a histamine 3H1-like receptor molecule. Insect Biochemistry and Molecular Biology, 1995, 25, 1049-1054.	1.2	3
102	Pharmacology of the octopamine receptor from locust central nervous tissue (OAR3). British Journal of Pharmacology, 1995, 114, 210-216.	2.7	65
103	Characterization of insect neuronal octopamine receptors (OA3 receptors). Neurochemical Research, 1993, 18, 921-925.	1.6	63
104	Pharmacological characterization of the locust neuronal 3H-mianserin binding site, a putative histamine receptor. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1993, 106, 503-507.	0.5	1
105	A new octopamine receptor class in locust nervous tissue, the octopamine 3 (OA3) receptor. Life Sciences, 1992, 50, 21-28.	2.0	66
106	Pharmacological characterization of a 5-HT receptor in locust nervous tissue. European Journal of Pharmacology, 1992, 223, 173-178.	1.7	24
107	Histamine H1-receptor-like binding sites in the locust nervous tissue. Neuroscience Letters, 1990, 116, 331-335.	1.0	18
108	High-affinity antagonists of the locust neuronal octopamine receptor. European Journal of Pharmacology, 1990, 191, 221-224.	1.7	57

#	Article	IF	Citations
109	Octopamine receptors in locust nervous tissue. Biochemical Pharmacology, 1990, 39, 1793-1797.	2.0	63
110	Octopamine uptake systems in thoracic ganglia and leg muscles of Locusta migratoria. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1989, 94, 143-147.	0.2	9
111	Methods for Analysing mRNA Expression. , 0, , 163-407.		0