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Signaling in the immune response

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#	Paper	IF	Citations
56	Specificity and complexity of the <i>Caenorhabditis elegans</i> innate immune response. <i>Molecular and Cellular Biology</i> , 2007 , 27, 5544-53	4.8	132
55	The genetics of pathogen avoidance in <i>Caenorhabditis elegans</i> . <i>Molecular Microbiology</i> , 2007 , 66, 563-70	4.1	72
54	Genome sequence of the metazoan plant-parasitic nematode <i>Meloidogyne incognita</i> . <i>Nature Biotechnology</i> , 2008 , 26, 909-15	44.5	790
53	The DAF-2 insulin-like signaling pathway independently regulates aging and immunity in <i>C. elegans</i> . <i>Aging Cell</i> , 2008 , 7, 879-93	9.9	102
52	Distinct innate immune responses to infection and wounding in the <i>C. elegans</i> epidermis. <i>Current Biology</i> , 2008 , 18, 481-9	6.3	201
51	Specificity of the innate immune system and diversity of C-type lectin domain (CTLD) proteins in the nematode <i>Caenorhabditis elegans</i> . <i>Immunobiology</i> , 2008 , 213, 237-50	3.4	146
50	<i>Pseudomonas aeruginosa</i> suppresses host immunity by activating the DAF-2 insulin-like signaling pathway in <i>Caenorhabditis elegans</i> . <i>PLoS Pathogens</i> , 2008 , 4, e1000175	7.6	146
49	Identification of innate immunity genes and pathways using a comparative genomics approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 7016-21	11.5	59
48	Axon regeneration requires a conserved MAP kinase pathway. <i>Science</i> , 2009 , 323, 802-6	33.3	317
47	Proteome changes of <i>Caenorhabditis elegans</i> upon a <i>Staphylococcus aureus</i> infection. <i>Biology Direct</i> , 2010 , 5, 11	7.2	33
46	<i>Caenorhabditis</i> is a metazoan host for <i>Legionella</i> . <i>Cellular Microbiology</i> , 2010 , 12, 343-61	3.9	44
45	Model systems to the rescue: The relationship between aging and innate immunity. <i>Communicative and Integrative Biology</i> , 2010 , 3, 409-14	1.7	7
44	Genome-wide gene expression analysis in response to organophosphorus pesticide chlorpyrifos and diazinon in <i>C. elegans</i> . <i>PLoS ONE</i> , 2010 , 5, e12145	3.7	40
43	A two-gene balance regulates <i>Salmonella typhimurium</i> tolerance in the nematode <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2011 , 6, e16839	3.7	21
42	Microbial Interactions with <i>Caenorhabditis elegans</i> : Lessons from a Model Organism. 2011 , 65-90		7
41	Stabilization of RNT-1 protein, runt-related transcription factor (RUNX) protein homolog of <i>Caenorhabditis elegans</i> , by oxidative stress through mitogen-activated protein kinase pathway. <i>Journal of Biological Chemistry</i> , 2012 , 287, 10444-10452	5.4	13
40	Immune defense mechanisms in the <i>Caenorhabditis elegans</i> intestinal epithelium. <i>Current Opinion in Immunology</i> , 2012 , 24, 3-9	7.8	123

39	Pathogen-induced <i>Caenorhabditis elegans</i> developmental plasticity has a hormetic effect on the resistance to biotic and abiotic stresses. <i>BMC Evolutionary Biology</i> , 2012 , 12, 187	3	16
38	System wide analysis of the evolution of innate immunity in the nematode model species <i>Caenorhabditis elegans</i> and <i>Pristionchus pacificus</i> . <i>PLoS ONE</i> , 2012 , 7, e44255	3.7	38
37	Identifying novel spatiotemporal regulators of innate immunity. <i>Immunologic Research</i> , 2013 , 55, 3-9	4.3	1
36	Components of the cultivated red seaweed <i>Chondrus crispus</i> enhance the immune response of <i>Caenorhabditis elegans</i> to <i>Pseudomonas aeruginosa</i> through the pmk-1, daf-2/daf-16, and skn-1 pathways. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 7343-50	4.8	47
35	Comparative genomics RNAi screen identifies Eftud2 as a novel regulator of innate immunity. <i>Genetics</i> , 2014 , 197, 485-96	4	26
34	The nematode <i>Caenorhabditis elegans</i> as a model to study viruses. <i>Archives of Virology</i> , 2014 , 159, 2843-56	5.6	7
33	Physiological and Immunological Regulations in <i>Caenorhabditis elegans</i> Infected with <i>Salmonella enterica</i> serovar Typhi. <i>Indian Journal of Microbiology</i> , 2014 , 54, 52-8	3.7	18
32	Ral small GTPase signaling and oncogenesis: More than just 15minutes of fame. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 2976-2988	4.9	71
31	The C-type lectin-like domain containing proteins Clec-39 and Clec-49 are crucial for <i>Caenorhabditis elegans</i> immunity against <i>Serratia marcescens</i> infection. <i>Developmental and Comparative Immunology</i> , 2014 , 45, 67-73	3.2	29
30	Cell-Specific Transcriptional Profiling of Ciliated Sensory Neurons Reveals Regulators of Behavior and Extracellular Vesicle Biogenesis. <i>Current Biology</i> , 2015 , 25, 3232-8	6.3	50
29	Epidermal Wound Healing in the Nematode. <i>Advances in Wound Care</i> , 2015 , 4, 264-271	4.8	12
28	Mechanisms of innate immunity in <i>C. elegans</i> epidermis. <i>Tissue Barriers</i> , 2015 , 3, e1078432	4.3	31
27	Genome-Wide RNAi Screens in <i>C. elegans</i> to Identify Genes Influencing Lifespan and Innate Immunity. <i>Methods in Molecular Biology</i> , 2016 , 1470, 171-82	1.4	1
26	Neuronal GPCR OCTR-1 regulates innate immunity by controlling protein synthesis in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2016 , 6, 36832	4.9	12
25	Comparative analysis of pre- and post-parasitic transcriptomes and mining pioneer effectors of. <i>Cell and Bioscience</i> , 2017 , 7, 11	9.8	17
24	Mitochondrial chaperone HSP-60 regulates anti-bacterial immunity via p38 MAP kinase signaling. <i>EMBO Journal</i> , 2017 , 36, 1046-1065	13	41
23	Analysis of the <i>Caenorhabditis elegans</i> innate immune response to <i>Coxiella burnetii</i> . <i>Innate Immunity</i> , 2017 , 23, 111-127	2.7	18
22	Plant-parasitic nematodes: towards understanding molecular players in stress responses. <i>Annals of Botany</i> , 2017 , 119, 775-789	4.1	31

21	Survival assays using. <i>Molecules and Cells</i> , 2017 , 40, 90-99	3.5	59
20	Pattern Formation in the Longevity-Related Expression of Heat Shock Protein-16.2 in <i>Caenorhabditis elegans</i> . <i>Bulletin of Mathematical Biology</i> , 2018 , 80, 2669-2697	2.1	4
19	Neuronal and non-neuronal signals regulate avoidance of contaminated food. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	11
18	Identification of a Conserved, Orphan G Protein-Coupled Receptor Required for Efficient Pathogen Clearance in <i>Caenorhabditis elegans</i> . <i>Infection and Immunity</i> , 2019 , 87,	3.7	6
17	Signal pathways involved in microbe-nematode interactions provide new insights into the biocontrol of plant-parasitic nematodes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180317	5.8	15
16	Stress resets ancestral heritable small RNA responses. <i>ELife</i> , 2021 , 10,	8.9	3
15	Take a Walk to the Wild Side of -Pathogen Interactions. <i>Microbiology and Molecular Biology Reviews</i> , 2021 , 85,	13.2	6
14	The Genome Sequence of <i>Meloidogyne incognita</i> Unveils Mechanisms of Adaptation to Plant-Parasitism in Metazoa. 2009 , 287-302		1
13	Defective apoptotic cell clearance activates innate immune response to protect against pathogenic bacteria. <i>Virulence</i> , 2021 , 12, 75-83	4.7	2
12	Stress Resets Transgenerational Small RNA Inheritance.		2
11	Selenite enhances immune response against <i>Pseudomonas aeruginosa</i> PA14 via SKN-1 in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2014 , 9, e105810	3.7	12
10	G protein-coupled receptors mediate neural regulation of innate immune responses in. <i>Receptors & Clinical Investigation</i> , 2017 , 4,		4
9	TGF- β Signaling in <i>C. elegans</i> . <i>WormBook</i> , 2013 , 1-34		85
8	Effects of Microgravity and Clinorotation on the Virulence of <i>Klebsiella</i> , <i>Streptococcus</i> , <i>Proteus</i> , and <i>Pseudomonas</i> . <i>Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research</i> , 2016 , 4, 39-50	0.4	4
7	Nematode Communication. 2014 , 383-407		
6	Theories and Mechanisms of Aging. 2014 , 21-97		
5	Complex pleiotropic genetic architecture of evolved heat stress and oxidative stress resistance in the nematode <i>Caenorhabditis remanei</i> .		
4	Nonpathogenic <i>Cutibacterium acnes</i> Confers Host Resistance against <i>Staphylococcus aureus</i> . <i>Microbiology Spectrum</i> , 2021 , 9, e0056221	8.9	0

- 3 Caenorhabditis elegans: A Tool for Antimicrobial Drug Discovery. **2020**, 559-596
- 2 Two New Compounds Containing Pyridinone or Triazine Heterocycles Have Antifungal Properties against .. *Antibiotics*, **2022**, 11, 4-9 ○
- 1 Chronic exposure to di(2-ethylhexyl) phthalate (DEHP) weakens innate immunity and leads to immunosenescence in *C. elegans*. **2023**, 98, 104071 ○