

Hirofumi Kunitomo

List of Publications by Year in descending order

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33
papers

1,895
citations

331670

21
h-index

477307

29
g-index

39
all docs

39
docs citations

39
times ranked

2277
citing authors

#	ARTICLE	IF	CITATIONS
1	The Insulin/PI 3-Kinase Pathway Regulates Salt Chemotaxis Learning in <i>Caenorhabditis elegans</i> . <i>Neuron</i> , 2006, 51, 613-625.	8.1	285
2	Structural basis for Na ⁺ transport mechanism by a light-driven Na ⁺ pump. <i>Nature</i> , 2015, 521, 48-53.	27.8	224
3	Single-cell transcriptional analysis of taste sensory neuron pair in <i>Caenorhabditis elegans</i> . <i>Nucleic Acids Research</i> , 2010, 38, 131-142.	14.5	143
4	Concentration memory-dependent synaptic plasticity of a taste circuit regulates salt concentration chemotaxis in <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2013, 4, 2210.	12.8	104
5	Lateralized Gustatory Behavior of <i>C. elegans</i> Is Controlled by Specific Receptor-Type Guanylyl Cyclases. <i>Current Biology</i> , 2009, 19, 996-1004.	3.9	101
6	Identification of Tubulin Deglutamylase among <i>Caenorhabditis elegans</i> and Mammalian Cytosolic Carboxypeptidases (CCPs). <i>Journal of Biological Chemistry</i> , 2010, 285, 22936-22941.	3.4	95
7	Olfactory Plasticity Is Regulated by Pheromonal Signaling in <i>Caenorhabditis elegans</i> . <i>Science</i> , 2010, 329, 1647-1650.	12.6	85
8	Role of synaptic phosphatidylinositol 3-kinase in a behavioral learning response in <i>C. elegans</i> . <i>Science</i> , 2014, 345, 313-317.	12.6	84
9	A Zinc-Finger Protein, Rst2p, Regulates Transcription of the Fission Yeast <i>ste11</i> Gene, Which Encodes a Pivotal Transcription Factor for Sexual Development. <i>Molecular Biology of the Cell</i> , 2000, 11, 3205-3217.	2.1	81
10	Identification of ciliated sensory neuron-expressed genes in <i>Caenorhabditis elegans</i> using targeted pull-down of poly(A) tails. <i>Genome Biology</i> , 2005, 6, R17.	9.6	81
11	Go β regulates olfactory adaptation by antagonizing Gq β -DAG signaling in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1112-1117.	7.1	75
12	CASY-1, an ortholog of calyntenins/alcadeins, is essential for learning in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5260-5265.	7.1	69
13	Reversal of Salt Preference Is Directed by the Insulin/PI3K and Gq/PKC Signaling in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2010, 186, 1309-1319.	2.9	63
14	<i>Schizosaccharomyces pombe</i> pac2 + controls the onset of sexual development via a pathway independent of the cAMP cascade. <i>Current Genetics</i> , 1995, 28, 32-38.	1.7	60
15	A trophic role for Wnt-Ror kinase signaling during developmental pruning in <i>Caenorhabditis elegans</i> . <i>Nature Neuroscience</i> , 2009, 12, 981-987.	14.8	49
16	MBR-1, a Novel Helix-Turn-Helix Transcription Factor, Is Required for Pruning Excessive Neurites in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2005, 15, 1554-1559.	3.9	43
17	<i>Caenorhabditis elegans</i> DYF-1, an orthologue of mammalian Traf3ip1/MIP-1, is required for sensory cilia formation. <i>Genes To Cells</i> , 2008, 13, 13-25.	1.2	41
18	The <i>Caenorhabditis elegans</i> eukaryotic initiation factor 5A homologue, IFF-1, is required for germ cell proliferation, gametogenesis and localization of the P-granule component PGL-1. <i>Mechanisms of Development</i> , 2004, 121, 213-224.	1.7	37

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19	A Gustatory Neural Circuit of <i>Caenorhabditis elegans</i> Generates Memory-Dependent Behaviors in Na ⁺ Chemotaxis. <i>Journal of Neuroscience</i> , 2017, 37, 2097-2111.	3.6	36
20	Regulation of Experience-Dependent Bidirectional Chemotaxis by a Neural Circuit Switch in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2014, 34, 15631-15637.	3.6	34
21	GPC-1, a G Protein β -Subunit, Regulates Olfactory Adaptation in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2009, 181, 1347-1357.	2.9	23
22	Multiple sensory neurons mediate starvation-dependent aversive navigation in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18673-18683.	7.1	23
23	Roles for class IIA phosphatidylinositol transfer protein in neurotransmission and behavioral plasticity at the sensory neuron synapses of <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7589-7594.	7.1	21
24	Glutamate signaling from a single sensory neuron mediates experience-dependent bidirectional behavior in <i>Caenorhabditis elegans</i> . <i>Cell Reports</i> , 2021, 35, 109177.	6.4	20
25	A reporter assay for G-protein-coupled receptors using a B-cell line suitable for stable episomal expression. <i>Analytical Biochemistry</i> , 2010, 400, 163-172.	2.4	6
26	Roles of the Cl ⁻ channel CLH-1 in food-associated salt chemotaxis behavior of <i>C. elegans</i> . <i>ELife</i> , 2021, 10, .	6.0	4
27	Simultaneous recording of behavioral and neural responses of free-moving nematodes <i>C. elegans</i> . <i>STAR Protocols</i> , 2021, 2, 101011.	1.2	3
28	Behavioural assay for olfactory plasticity in <i>C. elegans</i> . <i>Protocol Exchange</i> , 0, , .	0.3	2
29	<i>Caenorhabditis Elegans</i> Exhibits Morphine Addiction-like Behavior via the Opioid-like Receptor NPR-17. <i>Frontiers in Pharmacology</i> , 2021, 12, 802701.	3.5	2
30	is allelic to. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	1
31	A suppressor screen for genes that regulate salt chemotaxis learning in <i>C. elegans</i> . <i>Neuroscience Research</i> , 2007, 58, S227.	1.9	0
32	The neprilysin gene <i>nep-2</i> is involved in olfactory adaptation in <i>C. elegans</i> . <i>Neuroscience Research</i> , 2007, 58, S216.	1.9	0
33	Ciliated sensory neurons of <i>C. elegans</i> are regulated by tubulin polyglutamylation in response to the environmental stresses. <i>Neuroscience Research</i> , 2011, 71, e47.	1.9	0