

Meera V. Sundaram

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,692
citations

257450

24
h-index

265206

42
g-index

50
all docs

50
docs citations

50
times ranked

2452
citing authors

#	ARTICLE	IF	CITATIONS
1	Lethargus is a <i>Caenorhabditis elegans</i> sleep-like state. <i>Nature</i> , 2008, 451, 569-572.	27.8	441
2	The <i>C. elegans</i> <i>ksr-1</i> gene encodes a novel raf-related kinase involved in Ras-mediated signal transduction. <i>Cell</i> , 1995, 83, 889-901.	28.9	295
3	Kinase Suppressor of Ras Forms a Multiprotein Signaling Complex and Modulates MEK Localization. <i>Molecular and Cellular Biology</i> , 1999, 19, 5523-5534.	2.3	201
4	The love-hate relationship between Ras and Notch. <i>Genes and Development</i> , 2005, 19, 1825-1839.	5.9	163
5	RTK/Ras/MAPK signaling. <i>WormBook</i> , 2006, , 1-19.	5.3	138
6	<i>C. elegans</i> <i>ksr-1</i> and <i>ksr-2</i> Have Both Unique and Redundant Functions and Are Required for MPK-1 ERK Phosphorylation. <i>Current Biology</i> , 2002, 12, 427-433.	3.9	116
7	CeHMT-1, a Putative Phytochelatin Transporter, Is Required for Cadmium Tolerance in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 23684-23690.	3.4	82
8	<i>C. elegans</i> EOR-1/PLZF and EOR-2 positively regulate Ras and Wnt signaling and function redundantly with LIN-25 and the SUR-2 Mediator component. <i>Genes and Development</i> , 2002, 16, 1815-1827.	5.9	77
9	Canonical RTK-Ras-ERK signaling and related alternative pathways. <i>WormBook</i> , 2013, , 1-38.	5.3	77
10	Control and integration of cell signaling pathways during <i>C. Elegans</i> vulval development. <i>BioEssays</i> , 1996, 18, 473-480.	2.5	70
11	The <i>Caenorhabditis elegans</i> Excretory System: A Model for Tubulogenesis, Cell Fate Specification, and Plasticity. <i>Genetics</i> , 2016, 203, 35-63.	2.9	64
12	A Novel Gain-of-Function Mutant of the Cyclic GMP-Dependent Protein Kinase <i>egl-4</i> Affects Multiple Physiological Processes in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2006, 173, 177-187.	2.9	63
13	Successful transgenesis of the parasitic nematode <i>Strongyloides stercoralis</i> requires endogenous non-coding control elements. <i>International Journal for Parasitology</i> , 2006, 36, 671-679.	3.1	62
14	Extracellular leucine-rich repeat proteins are required to organize the apical extracellular matrix and maintain epithelial junction integrity in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2012, 139, 979-990.	2.5	58
15	Lipocalin signaling controls unicellular tube development in the <i>Caenorhabditis elegans</i> excretory system. <i>Developmental Biology</i> , 2009, 329, 201-211.	2.0	56
16	<i>Strongyloides stercoralis</i> : Cell- and tissue-specific transgene expression and co-transformation with vector constructs incorporating a common multifunctional 3' UTR. <i>Experimental Parasitology</i> , 2008, 118, 253-265.	1.2	55
17	<i>ced-10</i> Rac and <i>mig-2</i> Function Redundantly and Act with <i>unc-73</i> Trio to Control the Orientation of Vulval Cell Divisions and Migrations in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2002, 241, 339-348.	2.0	51
18	Notch and Ras promote sequential steps of excretory tube development in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2011, 138, 3545-3555.	2.5	48

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19	A <i>lin-45 raf</i> Enhancer Screen Identifies <i>eor-1</i> , <i>eor-2</i> and Unusual Alleles of Ras Pathway Genes in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2002, 161, 121-131.	2.9	47
20	<i>C. elegans</i> SUR-6/PR55 cooperates with LET-92/protein phosphatase 2A and promotes Raf activity independently of inhibitory Akt phosphorylation sites. <i>Development (Cambridge)</i> , 2004, 131, 755-765.	2.5	45
21	Integrity of Narrow Epithelial Tubes in the <i>C. elegans</i> Excretory System Requires a Transient Luminal Matrix. <i>PLoS Genetics</i> , 2016, 12, e1006205.	3.5	44
22	The <i>Caenorhabditis elegans</i> <i>ekl</i> (Enhancer of <i>ksr-1</i> Lethality) Genes Include Putative Components of a Germline Small RNA Pathway. <i>Genetics</i> , 2008, 178, 1431-1443.	2.9	40
23	Lipocalins Are Required for Apical Extracellular Matrix Organization and Remodeling in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2017, 207, 625-642.	2.9	38
24	A multi-layered and dynamic apical extracellular matrix shapes the vulva lumen in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2020, 9, .	6.0	37
25	Time to make the doughnuts: Building and shaping seamless tubes. <i>Seminars in Cell and Developmental Biology</i> , 2017, 67, 123-131.	5.0	36
26	<i>C. elegans</i> Apical Extracellular Matrices Shape Epithelia. <i>Journal of Developmental Biology</i> , 2020, 8, 23.	1.7	31
27	Vulval Development: The Battle between Ras and Notch. <i>Current Biology</i> , 2004, 14, R311-R313.	3.9	28
28	Epithelial Shaping by Diverse Apical Extracellular Matrices Requires the Nidogen Domain Protein DEX-1 in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2019, 211, 185-200.	2.9	25
29	<i>Caenorhabditis elegans</i> CNK-1 promotes Raf activation but is not essential for Ras/Raf signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11757-11762.	7.1	23
30	The Lipocalin LPR-1 Cooperates with LIN-3/EGF Signaling To Maintain Narrow Tube Integrity in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2017, 205, 1247-1260.	2.9	19
31	<i>Caenorhabditis elegans</i> <i>lin-35/Rb</i> , <i>efl-1/E2F</i> and Other Synthetic Multivulva Genes Negatively Regulate the Anaphase-Promoting Complex Gene <i>mat-3/APC8</i> . <i>Genetics</i> , 2004, 167, 663-672.	2.9	17
32	EOR-2 Is an Obligate Binding Partner of the BTB Zinc Finger Protein EOR-1 in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2010, 184, 899-913.	2.9	17
33	The AFF-1 exoplasmic fusogen is required for endocytic scission and seamless tube elongation. <i>Nature Communications</i> , 2018, 9, 1741.	12.8	17
34	Transcytosis in the development and morphogenesis of epithelial tissues. <i>EMBO Journal</i> , 2021, 40, e106163.	7.8	15
35	The Nkx5/HMX homeodomain protein MLS-2 is required for proper tube cell shape in the <i>C. elegans</i> excretory system. <i>Developmental Biology</i> , 2012, 366, 298-307.	2.0	13
36	Auto-fusion and the shaping of neurons and tubes. <i>Seminars in Cell and Developmental Biology</i> , 2016, 60, 136-145.	5.0	13

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37	A non-cell-autonomous role for Ras signaling in <i>C. elegans</i> neuroblast delamination. <i>Development (Cambridge)</i> , 2014, 141, 4279-4284.	2.5	12
38	Epidermal Remodeling in <i>Caenorhabditis elegans</i> Dauers Requires the Nidogen Domain Protein DEX-1. <i>Genetics</i> , 2019, 211, 169-183.	2.9	12
39	Mosaic Analysis in <i>Caenorhabditis elegans</i> . , 2000, 135, 447-462.		11
40	The nT1 translocation separates vulval regulatory elements from the egl-18 and elt-6 GATA factor genes. <i>Developmental Biology</i> , 2004, 267, 252-263.	2.0	10
41	A <i>C. elegans</i> Zona Pellucida domain protein functions via its ZPc domain. <i>PLoS Genetics</i> , 2020, 16, e1009188.	3.5	8
42	The <i>Caenorhabditis elegans</i> Patched domain protein PTR-4 is required for proper organization of the precuticular apical extracellular matrix. <i>Genetics</i> , 2021, 219, .	2.9	7
43	RAS-Mediated Signal Transduction in <i>C. elegans</i> . , 1996, , 47-73.		1
44	Intermediate filaments: New insights are bublin up. <i>Current Biology</i> , 2021, 31, R719-R721.	3.9	0