

Coleen T Murphy

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

9,894
citations

76196

40
h-index

66788

78
g-index

112
all docs

112
docs citations

112
times ranked

8806
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel elasticity measurements reveal <i>C.Âlegans</i> cuticle stiffens with age and in a long-lived mutant. <i>Biophysical Journal</i> , 2022, 121, 515-524.	0.2	13
2	GAIT-GM integrative cross-omics analyses reveal cholinergic defects in a <i>C. elegans</i> model of Parkinsonâ€™s disease. <i>Scientific Reports</i> , 2022, 12, 3268.	1.6	2
3	Metabolic adaptation to hypoxia: do worms and cancer cells share common metabolic responses to hypoxic stress?. <i>Cell Death and Differentiation</i> , 2021, 28, 1434-1436.	5.0	8
4	High-throughput behavioral screen in <i>C. elegans</i> reveals Parkinsonâ€™s disease drug candidates. <i>Communications Biology</i> , 2021, 4, 203.	2.0	23
5	Reduced insulin/IGF1 signaling prevents immune aging via ZIP-10/bZIPâ€™mediated feedforward loop. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	18
6	Protocol for transgenerational learned pathogen avoidance behavior assays in <i>Caenorhabditis elegans</i> . <i>STAR Protocols</i> , 2021, 2, 100384.	0.5	4
7	Oleic Acid Protects <i>Caenorhabditis</i> Mothers From Mating-Induced Death and the Cost of Reproduction. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 690373.	1.8	11
8	<i>Ce</i> Aid: a smartphone application for logging and plotting <i>Caenorhabditis elegans</i> assays. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	5
9	The role of the Cer1 transposon in horizontal transfer of transgenerational memory. <i>Cell</i> , 2021, 184, 4697-4712.e18.	13.5	41
10	Sex and death. <i>Current Topics in Developmental Biology</i> , 2021, 144, 353-375.	1.0	5
11	PQM-1 controls hypoxic survival via regulation of lipid metabolism. <i>Nature Communications</i> , 2020, 11, 4627.	5.8	16
12	Metformin rescues Parkinsonâ€™s disease phenotypes caused by hyperactive mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26438-26447.	3.3	95
13	Mitochondrial hyperactivity as a potential therapeutic target in Parkinsonâ€™s disease. <i>Translational Medicine of Aging</i> , 2020, 4, 117-120.	0.6	8
14	<i>C.Âlegans</i> interprets bacterial non-coding RNAs to learn pathogenic avoidance. <i>Nature</i> , 2020, 586, 445-451.	13.7	124
15	CREB Non-autonomously Controls Reproductive Aging through Hedgehog/Patched Signaling. <i>Developmental Cell</i> , 2020, 54, 92-105.e5.	3.1	26
16	Transcriptional Profiling of <i>C. elegans</i> Adult Cells and Tissues with Age. <i>Methods in Molecular Biology</i> , 2020, 2144, 177-186.	0.4	4
17	Short and sweet. <i>ELife</i> , 2020, 9, .	2.8	1
18	Being open to the unexpected. <i>Molecular Biology of the Cell</i> , 2019, 30, 2862-2864.	0.9	0

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19	Piwi/PRG-1 Argonaute and TGF- β Mediate Transgenerational Learned Pathogenic Avoidance. <i>Cell</i> , 2019, 177, 1827-1841.e12.	13.5	199
20	A PBX/MEIS Complex Balances Reproduction and Somatic Resilience. <i>Developmental Cell</i> , 2019, 49, 157-158.	3.1	1
21	Gut feelings: microRNAs tune protein quality control and ageing to odours. <i>Nature Metabolism</i> , 2019, 1, 306-307.	5.1	0
22	Nervous system-wide profiling of presynaptic mRNAs reveals regulators of associative memory. <i>Scientific Reports</i> , 2019, 9, 20314.	1.6	11
23	Investigating Mechanisms that Control Ubiquitin-Mediated DAF-16/FOXO Protein Turnover. <i>Methods in Molecular Biology</i> , 2019, 1890, 41-49.	0.4	0
24	Insulin-like peptides and the mTOR-TFEB pathway protect <i>Caenorhabditis elegans</i> hermaphrodites from mating-induced death. <i>ELife</i> , 2019, 8, .	2.8	24
25	Insulin Signaling Regulates Oocyte Quality Maintenance with Age via Cathepsin B Activity. <i>Current Biology</i> , 2018, 28, 753-760.e4.	1.8	45
26	Activation of G β q Signaling Enhances Memory Consolidation and Slows Cognitive Decline. <i>Neuron</i> , 2018, 98, 562-574.e5.	3.8	35
27	Regulation of reproduction and longevity by nutrient-sensing pathways. <i>Journal of Cell Biology</i> , 2018, 217, 93-106.	2.3	118
28	The nematode <i>Caenorhabditis elegans</i> as a model for aging research. <i>Drug Discovery Today: Disease Models</i> , 2018, 27, 3-13.	1.2	38
29	<i>Caenorhabditis elegans</i> sperm carry a histone-based epigenetic memory of both spermatogenesis and oogenesis. <i>Nature Communications</i> , 2018, 9, 4310.	5.8	63
30	An integrative tissue-network approach to identify and test human disease genes. <i>Nature Biotechnology</i> , 2018, 36, 1091-1099.	9.4	54
31	Transcriptome analysis of adult <i>Caenorhabditis elegans</i> cells reveals tissue-specific gene and isoform expression. <i>PLoS Genetics</i> , 2018, 14, e1007559.	1.5	151
32	Conserved regulators of cognitive aging: From worms to humans. <i>Behavioural Brain Research</i> , 2017, 322, 299-310.	1.2	31
33	RNA surveillance via nonsense-mediated mRNA decay is crucial for longevity in <i>daf-2/insulin/IGF-1</i> mutant <i>C. elegans</i> . <i>Nature Communications</i> , 2017, 8, 14749.	5.8	59
34	Reproductive Ageing. <i>Healthy Ageing and Longevity</i> , 2017, , 137-162.	0.2	0
35	Mating and male pheromone kill <i>Caenorhabditis</i> males through distinct mechanisms. <i>ELife</i> , 2017, 6, .	2.8	57
36	Cell-Type-Specific Transcriptome Analysis in the <i>Drosophila</i> Mushroom Body Reveals Memory-Related Changes in Gene Expression. <i>Cell Reports</i> , 2016, 15, 1580-1596.	2.9	85

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37	The <i>C. elegans</i> adult neuronal IIS/FOXO transcriptome reveals adult phenotype regulators. <i>Nature</i> , 2016, 529, 92-96.	13.7	196
38	The Neuronal Kinesin UNC-104/KIF1A Is a Key Regulator of Synaptic Aging and Insulin Signaling-Regulated Memory. <i>Current Biology</i> , 2016, 26, 605-615.	1.8	49
39	Feeding the germline. <i>Genes and Development</i> , 2016, 30, 249-250.	2.7	1
40	The cell biology of aging. <i>Molecular Biology of the Cell</i> , 2015, 26, 4524-4531.	0.9	139
41	Genome Sequencing Fishes out Longevity Genes. <i>Cell</i> , 2015, 163, 1312-1313.	13.5	4
42	Cell-Specific Transcriptional Profiling of Ciliated Sensory Neurons Reveals Regulators of Behavior and Extracellular Vesicle Biogenesis. <i>Current Biology</i> , 2015, 25, 3232-3238.	1.8	75
43	Genome-wide Functional Analysis of CREB/Long-Term Memory-Dependent Transcription Reveals Distinct Basal and Memory Gene Expression Programs. <i>Neuron</i> , 2015, 85, 330-345.	3.8	122
44	For Longevity, Perception is Everything. <i>Cell</i> , 2015, 160, 807-809.	13.5	3
45	<i>C. elegans</i> maximum velocity correlates with healthspan and is maintained in worms with an insulin receptor mutation. <i>Nature Communications</i> , 2015, 6, 8919.	5.8	182
46	Dauer-independent insulin/IGF-1-signalling implicates collagen remodelling in longevity. <i>Nature</i> , 2015, 519, 97-101.	13.7	251
47	A microfluidic device and automatic counting system for the study of <i>C. elegans</i> reproductive aging. <i>Lab on A Chip</i> , 2015, 15, 524-531.	3.1	38
48	An Insulin-to-Insulin Regulatory Network Orchestrates Phenotypic Specificity in Development and Physiology. <i>PLoS Genetics</i> , 2014, 10, e1004225.	1.5	90
49	Mating Induces Shrinking and Death in <i>Caenorhabditis</i> Mothers. <i>Science</i> , 2014, 343, 536-540.	6.0	127
50	<i>C. elegans</i> positive olfactory associative memory is a molecularly conserved behavioral paradigm. <i>Neurobiology of Learning and Memory</i> , 2014, 115, 86-94.	1.0	45
51	DAF-16 and PQM-1: Partners in longevity. <i>Aging</i> , 2014, 6, 5-6.	1.4	6
52	PQM-1 Complements DAF-16 as a Key Transcriptional Regulator of DAF-2-Mediated Development and Longevity. <i>Cell</i> , 2013, 154, 676-690.	13.5	270
53	A New System for Comparative Functional Genomics of <i>Saccharomyces</i> Yeasts. <i>Genetics</i> , 2013, 195, 275-287.	1.2	27
54	Insulin/insulin-like growth factor signaling in <i>C. elegans</i> . <i>WormBook</i> , 2013, , 1-43.	5.3	401

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55	Coleen Murphy: How to stay young at heart, body, and mind. <i>Journal of Cell Biology</i> , 2012, 197, 342-343.	2.3	1
56	Cell biology of disease and aging: a two-way street. <i>Molecular Biology of the Cell</i> , 2012, 23, 975-975.	0.9	0
57	The Intersection of Aging, Longevity Pathways, and Learning and Memory in <i>C. elegans</i> . <i>Frontiers in Genetics</i> , 2012, 3, 259.	1.1	39
58	 <i>C. elegans</i> Positive Butanone Learning, Short-term, and Long-term Associative Memory Assays. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	64
59	<i> <i>Caenorhabditis elegans</i> </i> reproductive aging: Regulation and underlying mechanisms. <i>Genesis</i> , 2011, 49, 53-65.	0.8	40
60	The Evolutionarily Conserved Longevity Determinants HCF-1 and SIR-2.1/SIRT1 Collaborate to Regulate DAF-16/FOXO. <i>PLoS Genetics</i> , 2011, 7, e1002235.	1.5	106
61	EGF signalling activates the ubiquitin proteasome system to modulate <i>C. elegans</i> lifespan. <i>EMBO Journal</i> , 2011, 30, 2990-3003.	3.5	90
62	Aging: miRacles of Longevity?. <i>Current Biology</i> , 2010, 20, R1076-R1078.	1.8	3
63	Integration of diverse inputs in the regulation of <i> <i>Caenorhabditis elegans</i> </i> DAFâ€16/FOXO. <i>Developmental Dynamics</i> , 2010, 239, 1405-1412.	0.8	77
64	Insulin Signaling and Dietary Restriction Differentially Influence the Decline of Learning and Memory with Age. <i>PLoS Biology</i> , 2010, 8, e1000372.	2.6	223
65	The role of insulin/IGF-like signaling in <i> <i>C. elegans</i> </i> longevity and aging. <i>DMM Disease Models and Mechanisms</i> , 2010, 3, 415-419.	1.2	84
66	TGF-Î² and Insulin Signaling Regulate Reproductive Aging via Oocyte and Germline Quality Maintenance. <i>Cell</i> , 2010, 143, 299-312.	13.5	238
67	TGF-Ã Sma/Mab Signaling Mutations Uncouple Reproductive Aging from Somatic Aging. <i>PLoS Genetics</i> , 2009, 5, e1000789.	1.5	125
68	Conditionâ€adapted stress and longevity gene regulation by <i> <i>Caenorhabditis elegans</i> </i> SKNâ€1/Nrf. <i>Aging Cell</i> , 2009, 8, 524-541.	3.0	302
69	Glucose Shortens the Life Span of <i>C. elegans</i> by Downregulating DAF-16/FOXO Activity and Aquaporin Gene Expression. <i>Cell Metabolism</i> , 2009, 10, 379-391.	7.2	299
70	The endocrine regulation of aging in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Endocrinology</i> , 2009, 299, 51-57.	1.6	27
71	Global Prediction of Tissue-Specific Gene Expression and Context-Dependent Gene Networks in <i>Caenorhabditis elegans</i> . <i>PLoS Computational Biology</i> , 2009, 5, e1000417.	1.5	84
72	Tissue entrainment by feedback regulation of insulin gene expression in the endoderm of <i> <i>Caenorhabditis elegans</i> </i>. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19046-19050.	3.3	155

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73	The C. elegans TGF- β Dauer Pathway Regulates Longevity via Insulin Signaling. <i>Current Biology</i> , 2007, 17, 1635-1645.	1.8	242
74	Using whole-genome transcriptional analyses to identify molecular mechanisms of aging. <i>Drug Discovery Today Disease Mechanisms</i> , 2006, 3, 41-46.	0.8	11
75	Enrichment of regulatory motifs upstream of predicted DAF-16 targets. <i>Nature Genetics</i> , 2006, 38, 397-398.	9.4	22
76	The search for DAF-16/FOXO transcriptional targets: Approaches and discoveries. <i>Experimental Gerontology</i> , 2006, 41, 910-921.	1.2	161
77	A review of Genes that Act Downstream of the DAF-16 FOXO Transcription Factor to Influence the Life Span of C. Elegans. , 2005, , 27-37.		3
78	Comparing genomic expression patterns across species identifies shared transcriptional profile in aging. <i>Nature Genetics</i> , 2004, 36, 197-204.	9.4	434
79	Regulation of Aging and Age-Related Disease by DAF-16 and Heat-Shock Factor. <i>Science</i> , 2003, 300, 1142-1145.	6.0	1,346
80	Genes that act downstream of DAF-16 to influence the lifespan of Caenorhabditis elegans. <i>Nature</i> , 2003, 424, 277-283.	13.7	1,998
81	A myosin II mutation uncouples ATPase activity from motility and shortens step size. <i>Nature Cell Biology</i> , 2001, 3, 311-315.	4.6	73
82	Variable surface loops and myosin activity: accessories to a motor. , 2000, 21, 139-151.		45
83	The Sequence of the Myosin 50 \sim 20K Loop Affects Myosin's Affinity for Actin throughout the Actin \sim Myosin ATPase Cycle and Its Maximum ATPase Activity. <i>Biochemistry</i> , 1999, 38, 3785-3792.	1.2	83
84	Dictyostelium Myosin 25-50K Loop Substitutions Specifically Affect ADP Release Rates. <i>Biochemistry</i> , 1998, 37, 6738-6744.	1.2	87