Nektarios Tavernarakis

List of Publications by Year
in descending order

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279 papers	43,638 citations	11235 73 h-index	2584 201 g-index
289 all docs	289 docs citations	289 times ranked	53355 citing authors

#	Article	IF	Citations
1	The Genomes On Line Database (GOLD) in 2009: status of genomic and metagenomic projects and their associated metadata. Nucleic Acids Research, 2010, 38, D346-D354.	6.5	6,188
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
3	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	5.0	4,036
4	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
5	Induction of autophagy by spermidine promotes longevity. Nature Cell Biology, 2009, 11, 1305-1314.	4.6	1,302
6	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	3.5	1,230
7	Crosstalk between apoptosis, necrosis and autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3448-3459.	1.9	1,099
8	Regulation of autophagy by cytoplasmic p53. Nature Cell Biology, 2008, 10, 676-687.	4.6	1,025
9	Mitophagy inhibits amyloid-Î² and tau pathology and reverses cognitive deficits in models of Alzheimerâ€™s disease. Nature Neuroscience, 2019, 22, 401-412.	7.1	1,008
10	Functional and physical interaction between Bcl-XL and a BH3-like domain in Beclin-1. EMBO Journal, 2007, 26, 2527-2539.	3.5	1,003
11	Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. Nature Cell Biology, 2018, 20, 1013-1022.	4.6	876
12	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Cell Death and Differentiation, 2015, 22, 58-73.	5.0	811
13	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	3.5	615
14	Coordination of mitophagy and mitochondrial biogenesis during ageing in C. elegans. Nature, 2015, 521, 525-528.	13.7	574
15	Caloric restriction and resveratrol promote longevity through the Sirtuin-1-dependent induction of autophagy. Cell Death and Disease, 2010, 1, e10-e10.	2.7	518
16	Autophagy in healthy aging and disease. Nature Aging, 2021, 1, 634-650.	5.3	467
17	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. Journal of Cell Biology, 2011, 192, 615-629.	2.3	439
18	Heritable and inducible genetic interference by double-stranded RNA encoded by transgenes. Nature Genetics, 2000, 24, 180-183.	9.4	409

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19	Can autophagy promote longevity?. Nature Cell Biology, 2010, 12, 842-846.	4.6	394
20	Mitochondrial homeostasis: The interplay between mitophagy and mitochondrial biogenesis. Experimental Gerontology, 2014, 56, 182-188.	1.2	336
21	eIF4E function in somatic cells modulates ageing in Caenorhabditis elegans. Nature, 2007, 445, 922-926.	13.7	311
22	Mitochondrial biogenesis and clearance: a balancing act. FEBS Journal, 2017, 284, 183-195.	2.2	309
23	A dual role of p53 in the control of autophagy. Autophagy, 2008, 4, 810-814.	4.3	296
24	The Genomes On Line Database (GOLD) in 2007: status of genomic and metagenomic projects and their associated metadata. Nucleic Acids Research, 2007, 36, D475-D479.	6.5	293
25	Specific aspartyl and calpain proteases are required for neurodegeneration in C. elegans. Nature, 2002, 419, 939-944.	13.7	273
26	Mitophagy in neurodegeneration and aging. Neurochemistry International, 2017, 109, 202-209.	1.9	272
27	Necrotic Cell Death in C. elegans Requires the Function of Calreticulin and Regulators of Ca2+ Release from the Endoplasmic Reticulum. Neuron, 2001, 31, 957-971.	3.8	261
28	Mitophagy and Neuroprotection. Trends in Molecular Medicine, 2020, 26, 8-20.	3.5	246
29	Prohibitin and mitochondrial biology. Trends in Endocrinology and Metabolism, 2009, 20, 394-401.	3.1	244
30	Cellular stress response pathways and ageing: intricate molecular relationships. EMBO Journal, 2011, 30, 2520-2531.	3.5	244
31	MOLECULAR MODELING OF MECHANOTRANSDUCTION IN THE NEMATODECAENORHABDITIS ELEGANS. Annual Review of Physiology, 1997, 59, 659-689.	5.6	231
32	Autophagy and cell death in model organisms. Cell Death and Differentiation, 2009, 16, 21-30.	5.0	226
33	The SPFH domain: implicated in regulating targeted protein turnover in stomatins and other membrane-associated proteins. Trends in Biochemical Sciences, 1999, 24, 425-427.	3.7	223
34	No death without life: vital functions of apoptotic effectors. Cell Death and Differentiation, 2008, 15, 1113-1123.	5.0	221
35	The Genomes On Line Database (GOLD) v.2: a monitor of genome projects worldwide. Nucleic Acids Research, 2006, 34, D332-D334.	6.5	220
36	Modulation of Autophagy by BDNF Underlies Synaptic Plasticity. Cell Metabolism, 2017, 26, 230-242.e5.	7.2	203

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37	unc-8, a DEG/ENaC Family Member, Encodes a Subunit of a Candidate Mechanically Gated Channel That Modulates C. elegans Locomotion. Neuron, 1997, 18, 107-119.	3.8	195
38	Genome-wide investigation reveals pathogen-specific and shared signatures in the response of Caenorhabditis elegans to infection. Genome Biology, 2007, 8, R194.	13.9	194
39	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in C.Âelegans. Current Biology, 2015, 25, 1810-1822.	1.8	188
40	Prohibitin couples diapause signalling to mitochondrial metabolism during ageing in C.â€‰elegans. Nature, 2009, 461, 793-797.	13.7	183
41	Autophagy mediates pharmacological lifespan extension by spermidineand resveratrol. Aging, 2009, 1, 961-970.	1.4	180
42	The role of synaptic ion channels in synaptic plasticity. EMBO Reports, 2006, 7, 1104-1110.	2.0	178
43	Modeling human diseases in Caenorhabditis elegans. Biotechnology Journal, 2010, 5, 1261-1276.	1.8	173
44	Autophagy in the physiology and pathology of the central nervous system. Cell Death and Differentiation, 2015, 22, 398-407.	5.0	169
45	Autophagy is required for necrotic cell death in Caenorhabditis elegans. Cell Death and Differentiation, 2008, 15, 105-112.	5.0	165
46	The biochemistry of neuronal necrosis: rogue biology?. Nature Reviews Neuroscience, 2003, 4, 672-684.	4.9	164
47	Small heat-shock proteins protect from heat-stroke-associated neurodegeneration. Nature, 2012, 490, 213-218.	13.7	161
48	The Role of Mitophagy in Innate Immunity. Frontiers in Immunology, 2018, 9, 1283.	2.2	161
49	Balancing mitochondrial biogenesis and mitophagy to maintain energy metabolism homeostasis. Cell Death and Differentiation, 2015, 22, 1399-1401.	5.0	155
50	Protein Homeostasis in Models of Aging and Age-Related Conformational Disease. Advances in Experimental Medicine and Biology, 2010, 694, 138-159.	0.8	152
51	Unsaturated fatty acids induce nonâ€canonical autophagy. EMBO Journal, 2015, 34, 1025-1041.	3.5	147
52	Hypoxia and Selective Autophagy in Cancer Development and Therapy. Frontiers in Cell and Developmental Biology, 2018, 6, 104.	1.8	146
53	Caenorhabditis elegans: A versatile platform for drug discovery. Biotechnology Journal, 2006, 1, 1405-1418.	1.8	142
54	20S proteasome activation promotes life span extension and resistance to proteotoxicity in Caenorhabditis elegans. FASEB Journal, 2015, 29, 611-622.	0.2	140

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55	The effects of p53 on whole organism longevity are mediated by autophagy. Autophagy, 2008, 4, 870-873.	4.3	134
56	Spermidine protects against Î±-synuclein neurotoxicity. Cell Cycle, 2014, 13, 3903-3908.	1.3	132
57	Death by necrosis. EMBO Reports, 2002, 3, 604-609.	2.0	128
58	Necrosis in yeast. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 257-268.	2.2	127
59	The life span-prolonging effect of Sirtuin-1 is mediated by autophagy. Autophagy, 2010, 6, 186-188.	4.3	127
60	Anthranilate Fluorescence Marks a Calcium-Propagated Necrotic Wave That Promotes Organismal Death in C. elegans. PLoS Biology, 2013, 11, e1001613.	2.6	123
61	Regulation of Muscle Atrophy in Aging and Disease. Advances in Experimental Medicine and Biology, 2010, 694, 211-233.	0.8	123
62	Ageing and the regulation of protein synthesis: a balancing act?. Trends in Cell Biology, 2008, 18, 228-235.	3.6	120
63	Proteolytic mechanisms in necrotic cell death and neurodegeneration. FEBS Letters, 2005, 579, 3287-3296.	1.3	119
64	UNC-4/UNC-37-dependent repression of motor neuron-specific genes controls synaptic choice in Caenorhabditis elegans. Genes and Development, 1999, 13, 2774-2786.	2.7	115
65	Genetic Models of Mechanotransduction: The NematodeCaenorhabditis elegans. Physiological Reviews, 2004, 84, 1097-1153.	13.1	114
66	Mitophagy and age-related pathologies: Development of new therapeutics by targeting mitochondrial turnover. , 2017, 178, 157-174.		112
67	Mitophagy in neurodegeneration and aging. Frontiers in Genetics, 2012, 3, 297.	1.1	108
68	Aspirin Recapitulates Features of Caloric Restriction. Cell Reports, 2018, 22, 2395-2407.	2.9	98
69	Emerging Roles of Lipophagy in Health and Disease. Frontiers in Cell and Developmental Biology, 2019, 7, 185.	1.8	98
70	The Vacuolar H+-ATPase Mediates Intracellular Acidification Required for Neurodegeneration in C. elegans. Current Biology, 2005, 15, 1249-1254.	1.8	97
71	Lysosomal biogenesis and function is critical for necrotic cell death in Caenorhabditis elegans. Journal of Cell Biology, 2006, 173, 231-239.	2.3	97
72	Mitochondria, autophagy and age-associated neurodegenerative diseases: New insights into a complex interplay. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1412-1423.	0.5	90

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73	Regulation and Roles of Autophagy at Synapses. Trends in Cell Biology, 2018, 28, 646-661.	3.6	90
74	Autophagy in Age-Associated Neurodegeneration. Cells, 2018, 7, 37.	1.8	87
75	Calcium homeostasis in aging neurons. Frontiers in Genetics, 2012, 3, 200.	1.1	85
76	A synaptic DEG/ENaC ion channel mediates learning in C. elegans by facilitating dopamine signalling. EMBO Journal, 2008, 27, 3288-3299.	3.5	79
77	The Ca2+/Mn2+ ion-pump PMR1 links elevation of cytosolic Ca2+ levels to Î±-synuclein toxicity in Parkinsonâ€™s disease models. Cell Death and Differentiation, 2013, 20, 465-477.	5.0	76
78	Nucleophagy: from homeostasis to disease. Cell Death and Differentiation, 2019, 26, 630-639.	5.0	75
79	Caloric restriction and lifespan: a role for protein turnover?. Mechanisms of Ageing and Development, 2002, 123, 215-229.	2.2	72
80	Endonuclease G mediates Î±-synuclein cytotoxicity during Parkinson's disease. EMBO Journal, 2013, 32, 3041-3054.	3.5	71
81	Genetically targeted cell disruption in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 13128-13133.	3.3	68
82	Autophagy induction extends lifespan and reduces lipid content in response to frataxin silencing in C. elegans. Experimental Gerontology, 2013, 48, 191-201.	1.2	67
83	Coupling mitogenesis and mitophagy for longevity. Autophagy, 2015, 11, 1428-1430.	4.3	67
84	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. Cell Metabolism, 2019, 30, 754-767.e9.	7.2	67
85	Autophagy and ageing: Insights from invertebrate model organisms. Ageing Research Reviews, 2013, 12, 413-428.	5.0	65
86	Nemo: a computational tool for analyzing nematode locomotion. BMC Neuroscience, 2007, 8, 86.	0.8	63
87	Caenorhabditis elegans as a model system for human diseases. Current Opinion in Biotechnology, 2020, 63, 118-125.	3.3	63
88	Ectopic fat deposition contributes to age-associated pathology in Caenorhabditis elegans. Journal of Lipid Research, 2017, 58, 72-80.	2.0	60
89	Correction for specimen movement and rotation errors for in-vivo Optical Projection Tomography. Biomedical Optics Express, 2010, 1, 87.	1.5	59
90	18Î±-Glycyrrhetinic Acid Proteasome Activator Decelerates Aging and Alzheimer's Disease Progression inCaenorhabditiselegansand Neuronal Cultures. Antioxidants and Redox Signaling, 2016, 25, 855-869.	2.5	54

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91	Protein Synthesis Is a Novel Determinant of Aging in Caenorhabditis elegans. Annals of the New York Academy of Sciences, 2007, 1119, 289-295.	1.8	51
92	SUMOylation and cell signalling. Biotechnology Journal, 2009, 4, 1740-1752.	1.8	51
93	Autophagy and the endo/exosomal pathways in health and disease. Biotechnology Journal, 2017, 12, 1600175.	1.8	51
94	Inhibition of autophagy curtails visual loss in a model of autosomal dominant optic atrophy. Nature Communications, 2020, 11, 4029.	5.8	50
95	Microscopic Optical Projection Tomography In Vivo. PLoS ONE, 2011, 6, e18963.	1.1	50
96	Mitochondrial Protein Quality Control Systems in Aging and Disease. Advances in Experimental Medicine and Biology, 2010, 694, 108-125.	0.8	49
97	3,4â€Dimethoxychalcone induces autophagy through activation of the transcription factors <scp>TFE</scp> 3 and <scp>TFEB</scp>. EMBO Molecular Medicine, 2019, 11, e10469.	3.3	45
98	SUMOylation in Neurodegenerative Diseases. Gerontology, 2020, 66, 122-130.	1.4	43
99	Proteasome Function Determines Cellular Homeostasis and the Rate of Aging. Advances in Experimental Medicine and Biology, 2010, 694, 38-46.	0.8	42
100	Degenerins. Annals of the New York Academy of Sciences, 2001, 940, 28-41.	1.8	40
101	Regulation of mRNA Translation as a Conserved Mechanism of Longevity Control. Advances in Experimental Medicine and Biology, 2010, 694, 14-29.	0.8	40
102	Oxidative stress and mitochondrial protein quality control in aging. Journal of Proteomics, 2013, 92, 181-194.	1.2	40
103	Mitophagy: In sickness and in health. Molecular and Cellular Oncology, 2016, 3, e1056332.	0.3	40
104	In vivo imaging of cellular structures in Caenorhabditis elegans by combined TPEF, SHG and THG microscopy. Journal of Microscopy, 2008, 229, 141-150.	0.8	39
105	Downregulation of lung mitochondrial prohibitin in COPD. Respiratory Medicine, 2012, 106, 954-961.	1.3	39
106	Label-Free Imaging of Lipid Depositions in C. elegans Using Third-Harmonic Generation Microscopy. PLoS ONE, 2014, 9, e84431.	1.1	38
107	Mechanotransduction in Caenorhabditis elegans: The Role of DEG/ENaC Ion Channels. Cell Biochemistry and Biophysics, 2001, 35, 01-18.	0.9	37
108	Germ line transformation of the olive fly Bactrocera oleae using a versatile transgenesis marker. Insect Molecular Biology, 2006, 15, 95-103.	1.0	37

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109	Regulation and roles of mitophagy at synapses. Mechanisms of Ageing and Development, 2020, 187, 111216.	2.2	37
110	Synthesis, Modification and Turnover of Proteins during Aging. Advances in Experimental Medicine and Biology, 2010, 694, 1-13.	0.8	37
111	Multimodal sensory processing in Caenorhabditis elegans. Open Biology, 2018, 8, .	1.5	36
112	The NemaGENETAG initiative: large scale transposon insertion gene-tagging in Caenorhabditis elegans. Genetica, 2009, 137, 39-46.	0.5	35
113	Metabolic Control by Target of Rapamycin and Autophagy during Ageing - A Mini-Review. Gerontology, 2013, 59, 340-348.	1.4	35
114	Caenorhabditis elegansas a model for cancer research. Molecular and Cellular Oncology, 2015, 2, e975027.	0.3	35
115	Mitochondrial turnover and homeostasis in ageing and neurodegeneration. FEBS Letters, 2020, 594, 2370-2379.	1.3	35
116	Longevity-relevant regulation of autophagy at the level of the acetylproteome. Autophagy, 2011, 7, 647-649.	4.3	34
117	Acyl-CoA-binding protein (ACBP): a phylogenetically conserved appetite stimulator. Cell Death and Disease, 2020, 11, 7.	2.7	34
118	Induction of RNA interference in Caenorhabditis elegans by RNAs derived from plants exhibiting post-transcriptional gene silencing. Nucleic Acids Research, 2002, 30, 1688-1694.	6.5	33
119	Regulation of Protein Turnover by Longevity Pathways. Advances in Experimental Medicine and Biology, 2010, 694, 69-80.	0.8	33
120	Differential Protein Distribution between the Nucleus and Mitochondria: Implications in Aging. Frontiers in Genetics, 2016, 7, 162.	1.1	33
121	Small heat shock proteins in ageing and age-related diseases. Cell Stress and Chaperones, 2017, 22, 481-492.	1.2	33
122	The Cytoskeleton as a Modulator of Aging and Neurodegeneration. Advances in Experimental Medicine and Biology, 2019, 1178, 227-245.	0.8	33
123	Selective and differential interactions of BNN27, a novel C17-spiroepoxy steroid derivative, with TrkA receptors, regulating neuronal survival and differentiation. Neuropharmacology, 2016, 111, 266-282.	2.0	32
124	One-Carbon Metabolism: Pulling the Strings behind Aging and Neurodegeneration. Cells, 2022, 11, 214.	1.8	32
125	The nucleotide-binding proteins Nubp1 and Nubp2 are negative regulators of ciliogenesis. Cellular and Molecular Life Sciences, 2014, 71, 517-538.	2.4	31
126	Maintenance of Proteostasis by P Body-Mediated Regulation of eIF4E Availability during Aging in Caenorhabditis elegans. Cell Reports, 2018, 25, 199-211.e6.	2.9	31

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127	Novel Insights Into the Anti-aging Role of Mitophagy. International Review of Cell and Molecular Biology, 2018, 340, 169-208.	1.6	31
128	Protein Synthesis and the Antagonistic Pleiotropy Hypothesis of Aging. Advances in Experimental Medicine and Biology, 2010, 694, 30-37.	0.8	31
129	Longevity pathways and memory aging. Frontiers in Genetics, 2014, 5, 155.	1.1	30
130	Post-Translational Modification of Cellular Proteins by Ubiquitin and Ubiquitin-Like Molecules: Role in Cellular Senescence and Aging. Advances in Experimental Medicine and Biology, 2010, 694, 172-196.	0.8	29
131	Spermidine promotes mating and fertilization efficiency in model organisms. Cell Cycle, 2013, 12, 346-352.	1.3	29
132	Protein Synthesis and Aging: eIF4E and the Soma vs. Germline Distinction. Cell Cycle, 2007, 6, 1168-1171.	1.3	27
133	Mitochondrial maturation drives germline stem cell differentiation in Caenorhabditis elegans. Cell Death and Differentiation, 2020, 27, 601-617.	5.0	27
134	KIT receptor activation by autocrine and paracrine stem cell factor stimulates growth of merkel cell carcinoma in vitro. Journal of Cellular Physiology, 2011, 226, 1099-1109.	2.0	26
135	Base excision repair causes age-dependent accumulation of single-stranded DNA breaks that contribute to Parkinson disease pathology. Cell Reports, 2021, 36, 109668.	2.9	26
136	Endocytosis and intracellular trafficking contribute to necrotic neurodegeneration inC. elegans. EMBO Journal, 2012, 31, 654-666.	3.5	25
137	Generation of Caenorhabditis elegans Transgenic Animals by DNA Microinjection. Bio-protocol, 2017, 7, .	0.2	25
138	A Customized Light Sheet Microscope to Measure Spatio-Temporal Protein Dynamics in Small Model Organisms. PLoS ONE, 2015, 10, e0127869.	1.1	25
139	Neurodegenerative conditions associated with ageing: a molecular interplay?. Mechanisms of Ageing and Development, 2005, 126, 23-33.	2.2	24
140	Cell-Specific Monitoring of Protein Synthesis In Vivo. PLoS ONE, 2009, 4, e4547.	1.1	24
141	Caenorhabditis ElegansDegenerins and Vertebrate Enac Ion Channels Contain an Extracellular Domain Related to Venom Neurotoxins. Journal of Neurogenetics, 2000, 13, 257-264.	0.6	23
142	Generalized matrix models and AGT correspondence at all genera. Journal of High Energy Physics, 2011, 2011, 1.	1.6	23
143	Differential adiponectin signalling couples ER stress with lipid metabolism to modulate ageing in C. elegans. Scientific Reports, 2017, 7, 5115.	1.6	23
144	Transgenesis in Caenorhabditis elegans. Methods in Molecular Biology, 2009, 561, 21-39.	0.4	23

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145	Intracellular Assessment of ATP Levels in Caenorhabditis elegans. Bio-protocol, 2016, 6, .	0.2	23
146	Signaling pathways regulating protein synthesis during ageing. Experimental Gerontology, 2006, 41, 1020-1025.	1.2	22
147	Non-developmentally programmed cell death in Caenorhabditis elegans. Seminars in Cancer Biology, 2007, 17, 122-133.	4.3	22
148	Autophagy and Longevity: Lessons from C. elegans. Advances in Experimental Medicine and Biology, 2010, 694, 47-60.	0.8	22
149	The contactin RIG-6 mediates neuronal and non-neuronal cell migration in Caenorhabditis elegans. Developmental Biology, 2013, 373, 184-195.	0.9	22
150	The role of SUMOylation in ageing and senescent decline. Mechanisms of Ageing and Development, 2017, 162, 85-90.	2.2	22
151	Nonâ€apoptotic cell death in Caenorhabditis elegans. Developmental Dynamics, 2010, 239, 1337-1351.	0.8	21
152	Automated Motion Correction for In Vivo Optical Projection Tomography. IEEE Transactions on Medical Imaging, 2012, 31, 1358-1371.	5.4	21
153	Assessing Aging and Senescent Decline in Caenorhabditis elegans: Cohort Survival Analysis. Methods in Molecular Biology, 2013, 965, 473-484.	0.4	21
154	Opposing function of mitochondrial prohibitin in aging. Aging, 2010, 2, 1004-1011.	1.4	21
155	Mitochondrial protein import determines lifespan through metabolic reprogramming and de novo serine biosynthesis. Nature Communications, 2022, 13, 651.	5.8	21
156	Transcriptional interference caused by GCN4 overexpression reveals multiple interactions mediating transcriptional activation. Molecular Genetics and Genomics, 1995, 247, 571-578.	2.4	20
157	Autophagy and Cell Death in Caenorhabditis elegans. Current Pharmaceutical Design, 2008, 14, 97-115.	0.9	20
158	High-Throughput and Longitudinal Analysis of Aging and Senescent Decline in Caenorhabditis elegans. Methods in Molecular Biology, 2013, 965, 485-500.	0.4	20
159	Protein synthesis as an integral quality control mechanism during ageing. Ageing Research Reviews, 2015, 23, 75-89.	5.0	20
160	In Vitro and In Vivo Detection of Mitophagy in Human Cells, C. Elegans, and Mice. Journal of Visualized Experiments, 2017, , .	0.2	20
161	Cardiomyocyte necrosis: Alternative mechanisms, effective interventions. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 480-482.	1.9	19
162	Mechanisms of aging and energy metabolism in Caenorhabditis elegans. IUBMB Life, 2008, 60, 315-322.	1.5	19

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163	In vivo imaging of neurodegeneration in Caenorhabditis elegans by third harmonic generation microscopy. Journal of Microscopy, 2008, 232, 270-275.	0.8	19
164	Autophagy and Aging: Lessons from Progeria Models. Advances in Experimental Medicine and Biology, 2010, 694, 61-68.	0.8	19
165	Imaging of Caenorhabditis elegans neurons by second-harmonic generation and two-photon excitation fluorescence. Journal of Biomedical Optics, 2005, 10, 024015.	1.4	18
166	In vivo imaging of cell morphology and cellular processes in Caenorhabditis elegans, using non-linear phenomena. Micron, 2009, 40, 876-880.	1.1	18
167	GPA-14, a GÎ±i subunit mediates dopaminergic behavioral plasticity in C. elegans. Behavioral and Brain Functions, 2013, 9, 16.	1.4	18
168	Necrotic Cell Death in Caenorhabditis elegans. Methods in Enzymology, 2014, 545, 127-155.	0.4	18
169	Sustained intracellular calcium rise mediates neuronal mitophagy in models of autosomal dominant optic atrophy. Cell Death and Differentiation, 2022, 29, 167-177.	5.0	18
170	Cell tracking in live Caenorhabditis elegans embryos via third harmonic generation imaging microscopy measurements. Journal of Biomedical Optics, 2011, 16, 046019.	1.4	17
171	Mitochondrial contributions to neuronal development and function. Biological Chemistry, 2018, 399, 723-739.	1.2	17
172	Small heat shock proteins and neurodegeneration: recent developments. Biomolecular Concepts, 2018, 9, 94-102.	1.0	17
173	Calcium-dependent and aspartyl proteases in neurodegeneration and ageing in C. elegans. Ageing Research Reviews, 2003, 2, 451-471.	5.0	16
174	Autophagy in Caenorhabditis elegans. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1444-1451.	1.9	16
175	The role of autophagy in genetic pathways influencing ageing. Biogerontology, 2011, 12, 377-386.	2.0	16
176	The complex interplay between autophagy and cell death pathways. Biochemical Journal, 2022, 479, 75-90.	1.7	16
177	Structural and functional features of the intracellular amino terminus of DEG/ENaC ion channels. Current Biology, 2001, 11, R205-R208.	1.8	15
178	Incidence and prognosis of clonal hematopoiesis in patients with chronic idiopathic neutropenia. Blood, 2021, 138, 1249-1257.	0.6	15
179	Roles for SUMO Modification during Senescence. Advances in Experimental Medicine and Biology, 2010, 694, 160-171.	0.8	15
180	Imaging Caenorhabditis elegans embryogenesis by third-harmonic generation microscopy. Micron, 2010, 41, 444-447.	1.1	14

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181	Sexâ€specific regulation of aging in Caenorhabditis elegans. Aging Cell, 2018, 17, e12724.	3.0	14
182	Crosstalk between Endo/Exocytosis and Autophagy in Health and Disease. Biotechnology Journal, 2020, 15, e1900267.	1.8	14
183	Degenerins. At the core of the metazoan mechanotransducer?. Annals of the New York Academy of Sciences, 2001, 940, 28-41.	1.8	14
184	Novel inducers of BECN1-independent autophagy:cis-unsaturated fatty acids. Autophagy, 2015, 11, 575-577.	4.3	13
185	FAH Domain Containing Protein 1 (FAHD-1) Is Required for Mitochondrial Function and Locomotion Activity in C. elegans. PLoS ONE, 2015, 10, e0134161.	1.1	13
186	Acquisition of a potential marker for insect transformation: isolation of a novel alcohol dehydrogenase gene from Bactrocera oleae by functional complementation in yeast. Molecular Genetics and Genomics, 2000, 263, 90-95.	2.4	12
187	Mitochondrial Biogenesis and Dynamics in Neurodegeneration: A Causative Relationship. Neurochemical Research, 2014, 39, 542-545.	1.6	12
188	Cellular and molecular longevity pathways: the old and the new. Trends in Endocrinology and Metabolism, 2014, 25, 212-223.	3.1	12
189	First identification of a phosphorylcholine-substituted protein from Caenorhabditis elegans: isolation and characterization of the aspartyl protease ASP-6. Biological Chemistry, 2006, 387, 1487-1493.	1.2	11
190	Enhanced proteasome degradation extends Caenorhabditis elegans lifespan and alleviates aggregation-related pathologies. Free Radical Biology and Medicine, 2014, 75, S18.	1.3	11
191	Synaptic vesicle fusion is modulated through feedback inhibition by dopamine autoâ€receptors. Synapse, 2020, 74, e22131.	0.6	11
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