Nektarios Tavernarakis

List of Publications by Year
in descending order

279 papers	43,638 citations	9786 73 h-index	2243 201 g-index
289 all docs	289 docs citations	289 times ranked	49114 citing authors

#	Article	IF	Citations
1	Sustained intracellular calcium rise mediates neuronal mitophagy in models of autosomal dominant optic atrophy. Cell Death and Differentiation, 2022, 29, 167-177.	11.2	18
2	One-Carbon Metabolism: Pulling the Strings behind Aging and Neurodegeneration. Cells, 2022, 11, 214.	4.1	32
3	The complex interplay between autophagy and cell death pathways. Biochemical Journal, 2022, 479, 75-90.	3.7	16
4	Mitochondrial protein import determines lifespan through metabolic reprogramming and de novo serine biosynthesis. Nature Communications, 2022, 13, 651.	12.8	21
5	Assessment of dopaminergic neuron degeneration in a C.Âelegans model of Parkinsonâ€™s disease. STAR Protocols, 2022, 3, 101264.	1.2	8
6	Monitoring autophagic flux in Caenorhabditis elegans using a p62/SQST-1 reporter. Methods in Cell Biology, 2021, 165, 73-87.	1.1	1
7	Editorial: Mitophagy in Health and Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 647036.	3.7	0
8	Molecular Basis of Neuronal Autophagy in Ageing: Insights from Caenorhabditis elegans. Cells, 2021, 10, 694.	4.1	10
9	Incidence and prognosis of clonal hematopoiesis in patients with chronic idiopathic neutropenia. Blood, 2021, 138, 1249-1257.	1.4	15
10	Monitoring agingâ€associated structural alterations in Caenorhabditis elegans striated muscles via polarizationâ€dependent secondâ€harmonic generation measurements. Journal of Biophotonics, 2021, 14, e202100173.	2.3	2
11	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	7.8	615
12	Selective Autophagy as a Potential Therapeutic Target in Age-Associated Pathologies. Metabolites, 2021, 11, 588.	2.9	1
13	Autophagy in healthy aging and disease. Nature Aging, 2021, 1, 634-650.	11.6	467
14	Base excision repair causes age-dependent accumulation of single-stranded DNA breaks that contribute to Parkinson disease pathology. Cell Reports, 2021, 36, 109668.	6.4	26
15	Editor Profile: Nektarios Tavernarakis. FEBS Journal, 2021, , .	4.7	0
16	Mitophagy mechanisms in neuronal physiology and pathology during ageing. Biophysical Reviews, 2021, 13, 955-965.	3.2	6
17	Mitophagy. , 2021, , 976-986.		0
18	Mitochondrial Homeostasis in Neurodegeneration and Ageing. Advances in Experimental Medicine and Biology, 2021, 1339, 381-382.	1.6	0

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19	Mitochondrial maturation drives germline stem cell differentiation in Caenorhabditis elegans. Cell Death and Differentiation, 2020, 27, 601-617.	11.2	27
20	Mitophagy and Neuroprotection. Trends in Molecular Medicine, 2020, 26, 8-20.	6.7	246
21	SUMOylation in Neurodegenerative Diseases. Gerontology, 2020, 66, 122-130.	2.8	43
22	Synaptic vesicle fusion is modulated through feedback inhibition by dopamine autoâ€receptors. Synapse, 2020, 74, e22131.	1.2	11
23	Acyl-CoA-binding protein (ACBP): a phylogenetically conserved appetite stimulator. Cell Death and Disease, 2020, 11, 7.	6.3	34
24	Sex-specific regulation of neuronal functions in Caenorhabditis elegans: the sex-determining protein TRA-1 represses goa-1/Gî±(i/o). Molecular Genetics and Genomics, 2020, 295, 357-371.	2.1	3
25	Autophagy mechanisms and roles: recent advances and implications. FEBS Journal, 2020, 287, 5024-5026.	4.7	6
26	UniProt-Related Documents (UniReD): assisting wet lab biologists in their quest on finding novel counterparts in a protein network. NAR Genomics and Bioinformatics, 2020, 2, lqaa005.	3.2	8
27	Mitochondrial biogenesis in organismal senescence and neurodegeneration. Mechanisms of Ageing and Development, 2020, 191, 111345.	4.6	7
28	Inhibition of autophagy curtails visual loss in a model of autosomal dominant optic atrophy. Nature Communications, 2020, 11, 4029.	12.8	50
29	SUMO promotes longevity and maintains mitochondrial homeostasis during ageing in Caenorhabditis elegans. Scientific Reports, 2020, 10, 15513.	3.3	11
30	Inflammation brakes mitochondrial metabolism in obesity. Nature Immunology, 2020, 21, 1143-1145.	14.5	8
31	Molecular Interventions towards Multiple Sclerosis Treatment. Brain Sciences, 2020, 10, 299.	2.3	9
32	Editorial: Mitophagy in physiology and pathology. Mechanisms of Ageing and Development, 2020, 190, 111291.	4.6	1
33	Crosstalk between Endo/Exocytosis and Autophagy in Health and Disease. Biotechnology Journal, 2020, 15, e1900267.	3.5	14
34	Nucleophagy mediators and mechanisms. Progress in Molecular Biology and Translational Science, 2020, 172, 1-14.	1.7	7
35	Regulation and roles of mitophagy at synapses. Mechanisms of Ageing and Development, 2020, 187, 111216.	4.6	37
36	Caenorhabditis elegans as a model system for human diseases. Current Opinion in Biotechnology, 2020, 63, 118-125.	6.6	63

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37	Mitochondrial turnover and homeostasis in ageing and neurodegeneration. FEBS Letters, 2020, 594, 2370-2379.	2.8	35
38	Regulation and Roles of Autophagy in the Brain. Advances in Experimental Medicine and Biology, 2020, 1195, 33-33.	1.6	11
39	ACBP is an appetite stimulator across phylogenetic barriers. Cell Stress, 2020, 4, 27-29.	3.2	7
40	Modeling Age-Associated Neurodegenerative Diseases in Caenorhabditis elegans. Journal of Visualized Experiments, 2020, , .	0.3	0
41	Mitophagy. , 2020, , 1-11.		0
42	Assessment of de novo Protein Synthesis Rates in Caenorhabditis elegans. Journal of Visualized Experiments, 2020, , .	0.3	3
43	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. Cell Metabolism, 2019, 30, 754-767.e9.	16.2	67
44	Moderation of neural excitation promotes longevity. Nature, 2019, 574, 338-340.	27.8	0
45	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.	6.9	45
46	Emerging Roles of Lipophagy in Health and Disease. Frontiers in Cell and Developmental Biology, 2019, 7, 185.	3.7	98
47	Dynamics of Iron Homeostasis in Health and Disease: Molecular Mechanisms and Methods for Iron Determination. Series in Bioengineering, 2019, , 105-145.	0.6	1
48	Mitophagy inhibits amyloid-Î² and tau pathology and reverses cognitive deficits in models of Alzheimerâ€™s disease. Nature Neuroscience, 2019, 22, 401-412.	14.8	1,008
49	Nucleophagy: from homeostasis to disease. Cell Death and Differentiation, 2019, 26, 630-639.	11.2	75
50	Mitophagy Dynamics in Caenorhabditis elegans. Methods in Molecular Biology, 2019, 1880, 655-668.	0.9	3
51	The Cytoskeleton as a Modulator of Aging and Neurodegeneration. Advances in Experimental Medicine and Biology, 2019, 1178, 227-245.	1.6	33
52	Aging in the Nematode Caenorhabditis elegans. , 2019, , 88-88.		1
53	Sexâ€specific regulation of aging in Caenorhabditis elegans. Aging Cell, 2018, 17, e12724.	6.7	14
54	Aspirin Recapitulates Features of Caloric Restriction. Cell Reports, 2018, 22, 2395-2407.	6.4	98

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55	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
56	Regulation and Roles of Autophagy at Synapses. Trends in Cell Biology, 2018, 28, 646-661.	7.9	90
57	Mitochondrial contributions to neuronal development and function. Biological Chemistry, 2018, 399, 723-739.	2.5	17
58	Demonstrating Improved Multiple Transportâ€Meanâ€Freeâ€Path Imaging Capabilities of Light Sheet Microscopy in the Quantification of Fluorescence Dynamics. Biotechnology Journal, 2018, 13, 1700419.	3.5	6
59	The PMR1 pump in alpha-synuclein toxicity and neurodegeneration. Neuroscience Letters, 2018, 663, 66-71.	2.1	5
60	Mitophagy Modulators. , 2018, , 433-433.		5
61	Hypoxia and Selective Autophagy in Cancer Development and Therapy. Frontiers in Cell and Developmental Biology, 2018, 6, 104.	3.7	146
62	Maintenance of Proteostasis by P Body-Mediated Regulation of eIF4E Availability during Aging in Caenorhabditis elegans. Cell Reports, 2018, 25, 199-211.e6.	6.4	31
63	Novel Insights Into the Anti-aging Role of Mitophagy. International Review of Cell and Molecular Biology, 2018, 340, 169-208.	3.2	31
64	Multimodal sensory processing in Caenorhabditis elegans. Open Biology, 2018, 8, .	3.6	36
65	Autophagy in Age-Associated Neurodegeneration. Cells, 2018, 7, 37.	4.1	87
66	The Role of Mitophagy in Innate Immunity. Frontiers in Immunology, 2018, 9, 1283.	4.8	161
67	Small heat shock proteins and neurodegeneration: recent developments. Biomolecular Concepts, 2018, 9, 94-102.	2.2	17
68	Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. Nature Cell Biology, 2018, 20, 1013-1022.	10.3	876
69	Small heat shock proteins in ageing and age-related diseases. Cell Stress and Chaperones, 2017, 22, 481-492.	2.9	33
70	The role of SUMOylation in ageing and senescent decline. Mechanisms of Ageing and Development, 2017, 162, 85-90.	4.6	22
71	Mitophagy in neurodegeneration and aging. Neurochemistry International, 2017, 109, 202-209.	3.8	272
72	Assessing Mitochondrial Selective Autophagy in the Nematode Caenorhabditis elegans. Methods in Molecular Biology, 2017, 1567, 349-361.	0.9	8

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73	Mitophagy and age-related pathologies: Development of new therapeutics by targeting mitochondrial turnover. , 2017, 178, 157-174.		112
74	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	7.8	1,230
75	Monitoring Mitophagy During Aging in Caenorhabditis elegans. Methods in Molecular Biology, 2017, 1759, 151-160.	0.9	5
76	Monitoring Autophagic Responses in Caenorhabditis elegans. Methods in Enzymology, 2017, 588, 429-444.	1.0	4
77	Autophagy and the endo/exosomal pathways in health and disease. Biotechnology Journal, 2017, 12, 1600175.	3.5	51
78	In Vitro and In Vivo Detection of Mitophagy in Human Cells, C. Elegans, and Mice. Journal of Visualized Experiments, 2017, , .	0.3	20
79	Differential adiponectin signalling couples ER stress with lipid metabolism to modulate ageing in C. elegans. Scientific Reports, 2017, 7, 5115.	3.3	23
80	Modulation of Autophagy by BDNF Underlies Synaptic Plasticity. Cell Metabolism, 2017, 26, 230-242.e5.	16.2	203
81	Mitochondrial biogenesis and clearance: a balancing act. FEBS Journal, 2017, 284, 183-195.	4.7	309
82	Ectopic fat deposition contributes to age-associated pathology in Caenorhabditis elegans. Journal of Lipid Research, 2017, 58, 72-80.	4.2	60
83	In vivo Mitophagy Monitoring in Caenorhabditis elegans to Determine Mitochondrial Homeostasis. Bio-protocol, 2017, 7, .	0.4	9
84	The Role of Autophagy in Aging. , 2017, , 123-138.		4
85	Generation of Caenorhabditis elegans Transgenic Animals by DNA Microinjection. Bio-protocol, 2017, 7, .	0.4	25
86	P-body and Stress Granule Quantification in Caenorhabditis elegans. Bio-protocol, 2017, 7, .	0.4	6
87	Protein Synthesis Rate Assessment by Fluorescence Recovery after Photobleaching (FRAP). Bio-protocol, 2017, 7, .	0.4	7
88	Stage dependent nutritional regulation of transgenerational longevity. Nutrition and Healthy Aging, 2016, 4, 47-54.	1.1	6
89	Differential Protein Distribution between the Nucleus and Mitochondria: Implications in Aging. Frontiers in Genetics, 2016, 7, 162.	2.3	33
90	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.	4.1	32

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91	Mitophagy: In sickness and in health. Molecular and Cellular Oncology, 2016, 3, e1056332.	0.7	40
92	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
93	18Î±-Glycyrrhetinic Acid Proteasome Activator Decelerates Aging and Alzheimer's Disease Progression inCaenorhabditiselegansand Neuronal Cultures. Antioxidants and Redox Signaling, 2016, 25, 855-869.	5.4	54
94	Intracellular Assessment of ATP Levels in Caenorhabditis elegans. Bio-protocol, 2016, 6, .	0.4	23
95	Measuring Oxygen Consumption Rate in Caenorhabditis elegans. Bio-protocol, 2016, 6, .	0.4	10
96	Imaging ectopic fat deposition incaenorhabditis elegansmuscles using nonlinear microscopy. Microscopy Research and Technique, 2015, 78, 523-528.	2.2	4
97	Protein synthesis as an integral quality control mechanism during ageing. Ageing Research Reviews, 2015, 23, 75-89.	10.9	20
98	Unsaturated fatty acids induce nonâ€canonical autophagy. EMBO Journal, 2015, 34, 1025-1041.	7.8	147
99	Autophagy in the physiology and pathology of the central nervous system. Cell Death and Differentiation, 2015, 22, 398-407.	11.2	169
100	Caenorhabditis elegansas a model for cancer research. Molecular and Cellular Oncology, 2015, 2, e975027.	0.7	35
101	Novel inducers of BECN1-independent autophagy:cis-unsaturated fatty acids. Autophagy, 2015, 11, 575-577.	9.1	13
102	Interfacing mitochondrial biogenesis and elimination to enhance host pathogen defense and longevity. Worm, 2015, 4, e1071763.	1.0	6
103	Balancing mitochondrial biogenesis and mitophagy to maintain energy metabolism homeostasis. Cell Death and Differentiation, 2015, 22, 1399-1401.	11.2	155
104	Coupling mitogenesis and mitophagy for longevity. Autophagy, 2015, 11, 1428-1430.	9.1	67
105	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in C.Âelegans. Current Biology, 2015, 25, 1810-1822.	3.9	188
106	Mitochondria, autophagy and age-associated neurodegenerative diseases: New insights into a complex interplay. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1412-1423.	1.0	90
107	Coordination of mitophagy and mitochondrial biogenesis during ageing in C. elegans. Nature, 2015, 521, 525-528.	27.8	574
108	Non-linear imaging techniques visualize the lipid profile of C.elegans. Proceedings of SPIE, 2015, , .	0.8	0

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109	20S proteasome activation promotes life span extension and resistance to proteotoxicity in Caenorhabditis elegans. FASEB Journal, 2015, 29, 611-622.	0.5	140
110	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Cell Death and Differentiation, 2015, 22, 58-73.	11.2	811
111	Stress Responses During Ageing: Molecular Pathways Regulating Protein Homeostasis. Methods in Molecular Biology, 2015, 1292, 215-234.	0.9	10
112	A Customized Light Sheet Microscope to Measure Spatio-Temporal Protein Dynamics in Small Model Organisms. PLoS ONE, 2015, 10, e0127869.	2.5	25
113	FAH Domain Containing Protein 1 (FAHD-1) Is Required for Mitochondrial Function and Locomotion Activity in C. elegans. PLoS ONE, 2015, 10, e0134161.	2.5	13
114	Non-linear imaging techniques visualize the lipid profile of C. elegans. , 2015, , .		0
115	Label-Free Imaging of Lipid Depositions in C. elegans Using Third-Harmonic Generation Microscopy. PLoS ONE, 2014, 9, e84431.	2.5	38
116	Longevity pathways and memory aging. Frontiers in Genetics, 2014, 5, 155.	2.3	30
117	Optical projection tomography and light sheet microscopy for imaging in biological specimens a comparison study. , 2014, , .		0
118	Enhanced proteasome degradation extends Caenorhabditis elegans lifespan and alleviates aggregation-related pathologies. Free Radical Biology and Medicine, 2014, 75, S18.	2.9	11
119	Spermidine protects against Î±-synuclein neurotoxicity. Cell Cycle, 2014, 13, 3903-3908.	2.6	132
120	The nucleotide-binding proteins Nubp1 and Nubp2 are negative regulators of ciliogenesis. Cellular and Molecular Life Sciences, 2014, 71, 517-538.	5.4	31
121	Mitochondrial Biogenesis and Dynamics in Neurodegeneration: A Causative Relationship. Neurochemical Research, 2014, 39, 542-545.	3.3	12
122	Mitochondrial homeostasis: The interplay between mitophagy and mitochondrial biogenesis. Experimental Gerontology, 2014, 56, 182-188.	2.8	336
123	Cellular and molecular longevity pathways: the old and the new. Trends in Endocrinology and Metabolism, 2014, 25, 212-223.	7.1	12
124	Necrotic Cell Death in Caenorhabditis elegans. Methods in Enzymology, 2014, 545, 127-155.	1.0	18
125	GPA-14, a GÎ±i subunit mediates dopaminergic behavioral plasticity in C. elegans. Behavioral and Brain Functions, 2013, 9, 16.	3.3	18
126	Autophagy and ageing: Insights from invertebrate model organisms. Ageing Research Reviews, 2013, 12, 413-428.	10.9	65

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127	The contactin RIG-6 mediates neuronal and non-neuronal cell migration in Caenorhabditis elegans. Developmental Biology, 2013, 373, 184-195.	2.0	22
128	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.	11.2	76
129	Spermidine promotes mating and fertilization efficiency in model organisms. Cell Cycle, 2013, 12, 346-352.	2.6	29
130	High-Throughput and Longitudinal Analysis of Aging and Senescent Decline in Caenorhabditis elegans. Methods in Molecular Biology, 2013, 965, 485-500.	0.9	20
131	Autophagy induction extends lifespan and reduces lipid content in response to frataxin silencing in C. elegans. Experimental Gerontology, 2013, 48, 191-201.	2.8	67
132	Oxidative stress and mitochondrial protein quality control in aging. Journal of Proteomics, 2013, 92, 181-194.	2.4	40
133	Crosstalk between apoptosis, necrosis and autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3448-3459.	4.1	1,099
134	Assessing Aging and Senescent Decline in Caenorhabditis elegans: Cohort Survival Analysis. Methods in Molecular Biology, 2013, 965, 473-484.	0.9	21
135	Anthranilate Fluorescence Marks a Calcium-Propagated Necrotic Wave That Promotes Organismal Death in C. elegans. PLoS Biology, 2013, 11, e1001613.	5.6	123
136	Endonuclease G mediates Î±-synuclein cytotoxicity during Parkinson's disease. EMBO Journal, 2013, 32, 3041-3054.	7.8	71
137	Metabolic Control by Target of Rapamycin and Autophagy during Ageing - A Mini-Review. Gerontology, 2013, 59, 340-348.	2.8	35
138	Caenorhabditis elegans (Nematode). , 2013, , 404-408.		3
139	Endocytosis and intracellular trafficking contribute to necrotic neurodegeneration inC. elegans. EMBO Journal, 2012, 31, 654-666.	7.8	25
140	Necrotic cell death and neurodegeneration. Worm, 2012, 1, 176-181.	1.0	7
141	Automated Motion Correction for In Vivo Optical Projection Tomography. IEEE Transactions on Medical Imaging, 2012, 31, 1358-1371.	8.9	21
142	Downregulation of lung mitochondrial prohibitin in COPD. Respiratory Medicine, 2012, 106, 954-961.	2.9	39
143	Embryonic and induced pluripotent stem cell differentiation as a tool in neurobiology. Biotechnology Journal, 2012, 7, 1156-1168.	3.5	9
144	Small heat-shock proteins protect from heat-stroke-associated neurodegeneration. Nature, 2012, 490, 213-218.	27.8	161

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145	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
146	Calcium homeostasis in aging neurons. Frontiers in Genetics, 2012, 3, 200.	2.3	85
147	Mitophagy in neurodegeneration and aging. Frontiers in Genetics, 2012, 3, 297.	2.3	108
148	Heat shock response and ionstasis: axis against neurodegeneration. Aging, 2012, 4, 856-858.	3.1	4
149	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. Journal of Cell Biology, 2011, 192, 615-629.	5.2	439
150	Cellular stress response pathways and ageing: intricate molecular relationships. EMBO Journal, 2011, 30, 2520-2531.	7.8	244
151	The role of autophagy in genetic pathways influencing ageing. Biogerontology, 2011, 12, 377-386.	3.9	16
152	Generalized matrix models and AGT correspondence at all genera. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
153	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.	4.1	26
154	Cell tracking in live Caenorhabditis elegans embryos via third harmonic generation imaging microscopy measurements. Journal of Biomedical Optics, 2011, 16, 046019.	2.6	17
155	Longevity-relevant regulation of autophagy at the level of the acetylproteome. Autophagy, 2011, 7, 647-649.	9.1	34
156	Microscopic Optical Projection Tomography In Vivo. PLoS ONE, 2011, 6, e18963.	2.5	50
157	Identification of the M541L sequence variation of the transmembrane KIT domain in Merkel cell carcinoma. Anticancer Research, 2011, 31, 807-11.	1.1	3
158	Modeling human diseases in Caenorhabditis elegans. Biotechnology Journal, 2010, 5, 1261-1276.	3.5	173
159	Autophagy and Longevity: Lessons from C. elegans. Advances in Experimental Medicine and Biology, 2010, 694, 47-60.	1.6	22
160	Necrosis in yeast. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 257-268.	4.9	127
161	Nonâ€apoptotic cell death in Caenorhabditis elegans. Developmental Dynamics, 2010, 239, 1337-1351.	1.8	21
162	Imaging Caenorhabditis elegans embryogenesis by third-harmonic generation microscopy. Micron, 2010, 41, 444-447.	2.2	14

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163	Can autophagy promote longevity?. Nature Cell Biology, 2010, 12, 842-846.	10.3	394
164	Autophagy and Aging: Lessons from Progeria Models. Advances in Experimental Medicine and Biology, 2010, 694, 61-68.	1.6	19
165	Regulation of mRNA Translation as a Conserved Mechanism of Longevity Control. Advances in Experimental Medicine and Biology, 2010, 694, 14-29.	1.6	40
166	Caloric restriction and resveratrol promote longevity through the Sirtuin-1-dependent induction of autophagy. Cell Death and Disease, 2010, 1, e10-e10.	6.3	518
167	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.	14.5	6,188
168	Correction for specimen movement and rotation errors for in-vivo Optical Projection Tomography. Biomedical Optics Express, 2010, 1, 87.	2.9	59
169	Proteasome Function Determines Cellular Homeostasis and the Rate of Aging. Advances in Experimental Medicine and Biology, 2010, 694, 38-46.	1.6	42
170	The life span-prolonging effect of Sirtuin-1 is mediated by autophagy. Autophagy, 2010, 6, 186-188.	9.1	127
171	Regulation of Protein Turnover by Longevity Pathways. Advances in Experimental Medicine and Biology, 2010, 694, 69-80.	1.6	33
172	Protein Metabolism and Lifespan in Caenorhabditis elegans. Advances in Experimental Medicine and Biology, 2010, 694, 81-107.	1.6	2
173	Mitochondrial Protein Quality Control Systems in Aging and Disease. Advances in Experimental Medicine and Biology, 2010, 694, 108-125.	1.6	49
174	Protein Homeostasis in Models of Aging and Age-Related Conformational Disease. Advances in Experimental Medicine and Biology, 2010, 694, 138-159.	1.6	152
175	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.	1.6	29
176	Protein Metabolism and Homeostasis in Aging. Advances in Experimental Medicine and Biology, 2010, , .	1.6	8
177	Synthesis, Modification and Turnover of Proteins during Aging. Advances in Experimental Medicine and Biology, 2010, 694, 1-13.	1.6	37
178	Roles for SUMO Modification during Senescence. Advances in Experimental Medicine and Biology, 2010, 694, 160-171.	1.6	15
179	Sensory Influence on Homeostasis and Lifespan: Molecules and Circuits. Advances in Experimental Medicine and Biology, 2010, , 197-210.	1.6	10
180	Regulation of Muscle Atrophy in Aging and Disease. Advances in Experimental Medicine and Biology, 2010, 694, 211-233.	1.6	123

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181	Confronting Cellular Heterogeneity in Studies of Protein Metabolism and Homeostasis in Aging Research. Advances in Experimental Medicine and Biology, 2010, 694, 234-244.	1.6	6
182	Protein Synthesis and the Antagonistic Pleiotropy Hypothesis of Aging. Advances in Experimental Medicine and Biology, 2010, 694, 30-37.	1.6	31
183	Cell division stage in C. elegans imaged using third harmonic generation microscopy. , 2010, , .		2
184	Molecular Modeling of Mechanosensory Ion Channel Structural and Functional Features. PLoS ONE, 2010, 5, e12814.	2.5	9
185	Opposing function of mitochondrial prohibitin in aging. Aging, 2010, 2, 1004-1011.	3.1	21
186	Caspase-Independent Cell Death Mechanisms in Simple Animal Models. , 2010, , 9-33.		0
187	Aging: Invertebrate Models of Normal Brain Aging. , 2009, , 211-218.		0
188	Cell-Specific Monitoring of Protein Synthesis In Vivo. PLoS ONE, 2009, 4, e4547.	2.5	24
189	2 Common Aging Mechanisms: Energy Metabolism and Longevity in Caenorhabditis elegans. , 2009, , 21-32.		0
190	Autophagy in Caenorhabditis elegans. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1444-1451.	4.1	16
191	The NemaGENETAG initiative: large scale transposon insertion gene-tagging in Caenorhabditis elegans. Genetica, 2009, 137, 39-46.	1.1	35
192	Prohibitin couples diapause signalling to mitochondrial metabolism during ageing in C.â€‰elegans. Nature, 2009, 461, 793-797.	27.8	183
193	Autophagy and cell death in model organisms. Cell Death and Differentiation, 2009, 16, 21-30.	11.2	226
194	In vivo imaging of cell morphology and cellular processes in Caenorhabditis elegans, using non-linear phenomena. Micron, 2009, 40, 876-880.	2.2	18
195	SUMOylation and cell signalling. Biotechnology Journal, 2009, 4, 1740-1752.	3.5	51
196	In vivo polarization dependant Second and Third harmonic generation imaging of Caenorhabditis elegans pharyngeal muscles. Laser Physics, 2009, 19, 1475-1479.	1.2	6
197	Prohibitin and mitochondrial biology. Trends in Endocrinology and Metabolism, 2009, 20, 394-401.	7.1	244
198	Induction of autophagy by spermidine promotes longevity. Nature Cell Biology, 2009, 11, 1305-1314.	10.3	1,302

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199	Transgenesis in Caenorhabditis elegans. Methods in Molecular Biology, 2009, 561, 21-39.	0.9	23
200	Autophagy mediates pharmacological lifespan extension by spermidineand resveratrol. Aging, 2009, 1, 961-970.	3.1	180
201	Mechanisms of aging and energy metabolism in Caenorhabditis elegans. IUBMB Life, 2008, 60, 315-322.	3.4	19
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