

Nektarios Tavernarakis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

261
papers

28,168
citations

70
h-index

166
g-index

289
ext. papers

39,263
ext. citations

8.3
avg, IF

7.2
L-index

#	Paper	IF	Citations
261	The complex interplay between autophagy and cell death pathways.. <i>Biochemical Journal</i> , 2022 , 479, 75-90	3.8	1
260	Mitochondrial protein import determines lifespan through metabolic reprogramming and de novo serine biosynthesis.. <i>Nature Communications</i> , 2022 , 13, 651	17.4	2
259	One-Carbon Metabolism: Pulling the Strings behind Aging and Neurodegeneration.. <i>Cells</i> , 2022 , 11,	7.9	5
258	Assessment of dopaminergic neuron degeneration in a model of Parkinson's disease.. <i>STAR Protocols</i> , 2022 , 3, 101264	1.4	0
257	Assessment of Neuronal Cell Death in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2022 , 309-317		
256	Mitochondrial Homeostasis in Neurodegeneration and Ageing.. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1339, 381-382	3.6	
255	Mitophagy mechanisms in neuronal physiology and pathology during ageing.. <i>Biophysical Reviews</i> , 2021 , 13, 955-965	3.7	1
254	Mitophagy 2021 , 976-986		
253	Molecular Basis of Neuronal Autophagy in Ageing: Insights from. <i>Cells</i> , 2021 , 10,	7.9	5
252	Incidence and prognosis of clonal hematopoiesis in patients with chronic idiopathic neutropenia. <i>Blood</i> , 2021 , 138, 1249-1257	2.2	2
251	Monitoring autophagic flux in <i>Caenorhabditis elegans</i> using a p62/SQST-1 reporter. <i>Methods in Cell Biology</i> , 2021 , 165, 73-87	1.8	0
250	Monitoring aging-associated structural alterations in <i>Caenorhabditis elegans</i> striated muscles via polarization-dependent second-harmonic generation measurements. <i>Journal of Biophotonics</i> , 2021 , 14, e202100173	3.1	1
249	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021 , 40, e108863	13	79
248	Sustained intracellular calcium rise mediates neuronal mitophagy in models of autosomal dominant optic atrophy. <i>Cell Death and Differentiation</i> , 2021 ,	12.7	5
247	Autophagy in healthy aging and disease.. <i>Nature Aging</i> , 2021 , 1, 634-650		69
246	Base excision repair causes age-dependent accumulation of single-stranded DNA breaks that contribute to Parkinson disease pathology. <i>Cell Reports</i> , 2021 , 36, 109668	10.6	4
245	Molecular Interventions towards Multiple Sclerosis Treatment. <i>Brain Sciences</i> , 2020 , 10,	3.4	2

244	Crosstalk between Endo/Exocytosis and Autophagy in Health and Disease. <i>Biotechnology Journal</i> , 2020 , 15, e1900267	5.6	6
243	Nucleophagy mediators and mechanisms. <i>Progress in Molecular Biology and Translational Science</i> , 2020 , 172, 1-14	4	2
242	Regulation and roles of mitophagy at synapses. <i>Mechanisms of Ageing and Development</i> , 2020 , 187, 1112-1116	4.6	18
241	Caenorhabditis elegans as a model system for human diseases. <i>Current Opinion in Biotechnology</i> , 2020 , 63, 118-125	11.4	31
240	Mitochondrial turnover and homeostasis in ageing and neurodegeneration. <i>FEBS Letters</i> , 2020 , 594, 2376-2379	3.15	15
239	ACBP is an appetite stimulator across phylogenetic barriers. <i>Cell Stress</i> , 2020 , 4, 27-29	5.5	5
238	Regulation and Roles of Autophagy in the Brain. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1195, 33	3.6	2
237	Synaptic vesicle fusion is modulated through feedback inhibition by dopamine auto-receptors. <i>Synapse</i> , 2020 , 74, e22131	2.4	3
236	Acyl-CoA-binding protein (ACBP): a phylogenetically conserved appetite stimulator. <i>Cell Death and Disease</i> , 2020 , 11, 7	9.8	20
235	Sex-specific regulation of neuronal functions in Caenorhabditis elegans: the sex-determining protein TRA-1 represses goa-1/G α . <i>Molecular Genetics and Genomics</i> , 2020 , 295, 357-371	3.1	2
234	UniProt-Related Documents (UniReD): assisting wet lab biologists in their quest on finding novel counterparts in a protein network. <i>NAR Genomics and Bioinformatics</i> , 2020 , 2, lqaa005	3.7	3
233	Mitochondrial biogenesis in organismal senescence and neurodegeneration. <i>Mechanisms of Ageing and Development</i> , 2020 , 191, 1113-1115	5.6	4
232	Inhibition of autophagy curtails visual loss in a model of autosomal dominant optic atrophy. <i>Nature Communications</i> , 2020 , 11, 4029	17.4	28
231	SUMO promotes longevity and maintains mitochondrial homeostasis during ageing in Caenorhabditis elegans. <i>Scientific Reports</i> , 2020 , 10, 15513	4.9	6
230	Inflammation brakes mitochondrial metabolism in obesity. <i>Nature Immunology</i> , 2020 , 21, 1143-1145	19.1	4
229	Mitochondrial maturation drives germline stem cell differentiation in Caenorhabditis elegans. <i>Cell Death and Differentiation</i> , 2020 , 27, 601-617	12.7	13
228	Mitophagy and Neuroprotection. <i>Trends in Molecular Medicine</i> , 2020 , 26, 8-20	11.5	119
227	SUMOylation in Neurodegenerative Diseases. <i>Gerontology</i> , 2020 , 66, 122-130	5.5	23

226	Emerging Roles of Lipophagy in Health and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 185	5.7	64
225	Dynamics of Iron Homeostasis in Health and Disease: Molecular Mechanisms and Methods for Iron Determination. <i>Series in Bioengineering</i> , 2019 , 105-145	0.7	0
224	Mitophagy inhibits amyloid- β and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. <i>Nature Neuroscience</i> , 2019 , 22, 401-412	25.5	546
223	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. <i>Cell Metabolism</i> , 2019 , 30, 754-767.e9	24.6	40
222	3,4-Dimethoxychalcone induces autophagy through activation of the transcription factors TFE3 and TFEB. <i>EMBO Molecular Medicine</i> , 2019 , 11, e10469	12	33
221	Aging in the Nematode <i>Caenorhabditis elegans</i> 2019 , 88-88		
220	The Cytoskeleton as a Modulator of Aging and Neurodegeneration. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1178, 227-245	3.6	14
219	Nucleophagy: from homeostasis to disease. <i>Cell Death and Differentiation</i> , 2019 , 26, 630-639	12.7	46
218	Mitophagy Dynamics in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2019 , 1880, 655-668	1.4	1
217	Monitoring Mitophagy During Aging in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2018 , 1759, 151-160	1.4	3
216	Sex-specific regulation of aging in <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2018 , 17, e12724	9.9	7
215	Aspirin Recapitulates Features of Caloric Restriction. <i>Cell Reports</i> , 2018 , 22, 2395-2407	10.6	80
214	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
213	Regulation and Roles of Autophagy at Synapses. <i>Trends in Cell Biology</i> , 2018 , 28, 646-661	18.3	64
212	Mitochondrial contributions to neuronal development and function. <i>Biological Chemistry</i> , 2018 , 399, 723-739	4.5	7
211	Novel Insights Into the Anti-aging Role of Mitophagy. <i>International Review of Cell and Molecular Biology</i> , 2018 , 340, 169-208	6	23
210	Multimodal sensory processing in. <i>Open Biology</i> , 2018 , 8,	7	19
209	Autophagy in Age-Associated Neurodegeneration. <i>Cells</i> , 2018 , 7,	7.9	59

208	The Role of Mitophagy in Innate Immunity. <i>Frontiers in Immunology</i> , 2018 , 9, 1283	8.4	99
207	Small heat shock proteins and neurodegeneration: recent developments. <i>Biomolecular Concepts</i> , 2018 , 9, 94-102	3.7	10
206	Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. <i>Nature Cell Biology</i> , 2018 , 20, 1013-1022	23.4	459
205	Demonstrating Improved Multiple Transport-Mean-Free-Path Imaging Capabilities of Light Sheet Microscopy in the Quantification of Fluorescence Dynamics. <i>Biotechnology Journal</i> , 2018 , 13, 1700419	5.6	1
204	The PMR1 pump in alpha-synuclein toxicity and neurodegeneration. <i>Neuroscience Letters</i> , 2018 , 663, 66-71	3.3	5
203	Mitophagy Modulators 2018 , 433-433		1
202	Hypoxia and Selective Autophagy in Cancer Development and Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 104	5.7	88
201	Maintenance of Proteostasis by P Body-Mediated Regulation of eIF4E Availability during Aging in <i>Caenorhabditis elegans</i> . <i>Cell Reports</i> , 2018 , 25, 199-211.e6	10.6	16
200	Small heat shock proteins in ageing and age-related diseases. <i>Cell Stress and Chaperones</i> , 2017 , 22, 481-492	4.7	20
199	The role of SUMOylation in ageing and senescent decline. <i>Mechanisms of Ageing and Development</i> , 2017 , 162, 85-90	5.6	15
198	Mitophagy in neurodegeneration and aging. <i>Neurochemistry International</i> , 2017 , 109, 202-209	4.4	179
197	Assessing Mitochondrial Selective Autophagy in the Nematode <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017 , 1567, 349-361	1.4	8
196	Mitophagy and age-related pathologies: Development of new therapeutics by targeting mitochondrial turnover. <i>Pharmacology & Therapeutics</i> , 2017 , 178, 157-174	13.9	75
195	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017 , 36, 1811-1836	13	857
194	Monitoring Autophagic Responses in <i>Caenorhabditis elegans</i> . <i>Methods in Enzymology</i> , 2017 , 588, 429-444.	7	4
193	Autophagy and the endo/exosomal pathways in health and disease. <i>Biotechnology Journal</i> , 2017 , 12, 1600175	5.6	40
192	Microinjection. <i>Bio-protocol</i> , 2017 , 7,	0.9	11
191	In Vitro and In Vivo Detection of Mitophagy in Human Cells, <i>C. Elegans</i> , and Mice. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	18

190	Differential adiponectin signalling couples ER stress with lipid metabolism to modulate ageing in <i>C. elegans</i> . <i>Scientific Reports</i> , 2017 , 7, 5115	4.9	17
189	Modulation of Autophagy by BDNF Underlies Synaptic Plasticity. <i>Cell Metabolism</i> , 2017 , 26, 230-242.e5	24.6	126
188	Mitochondrial biogenesis and clearance: a balancing act. <i>FEBS Journal</i> , 2017 , 284, 183-195	5.7	194
187	Ectopic fat deposition contributes to age-associated pathology in <i>Caenorhabditis elegans</i> . <i>Journal of Lipid Research</i> , 2017 , 58, 72-80	6.3	31
186	Mitophagy Monitoring in to Determine Mitochondrial Homeostasis. <i>Bio-protocol</i> , 2017 , 7,	0.9	3
185	The Role of Autophagy in Aging 2017 , 123-138		3
184	P-body and Stress Granule Quantification in. <i>Bio-protocol</i> , 2017 , 7,	0.9	5
183	Protein Synthesis Rate Assessment by Fluorescence Recovery after Photobleaching (FRAP). <i>Bio-protocol</i> , 2017 , 7,	0.9	5
182	Mitophagy: In sickness and in health. <i>Molecular and Cellular Oncology</i> , 2016 , 3, e1056332	1.2	33
181	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
180	18EGlycyrrhetic Acid Proteasome Activator Decelerates Aging and Alzheimer's Disease Progression in <i>Caenorhabditis elegans</i> and Neuronal Cultures. <i>Antioxidants and Redox Signaling</i> , 2016 , 25, 855-869	8.4	40
179	Intracellular Assessment of ATP Levels in. <i>Bio-protocol</i> , 2016 , 6,	0.9	14
178	Measuring Oxygen Consumption Rate in. <i>Bio-protocol</i> , 2016 , 6,	0.9	5
177	Stage dependent nutritional regulation of transgenerational longevity. <i>Nutrition and Healthy Aging</i> , 2016 , 4, 47-54	1.3	5
176	Differential Protein Distribution between the Nucleus and Mitochondria: Implications in Aging. <i>Frontiers in Genetics</i> , 2016 , 7, 162	4.5	17
175	Selective and differential interactions of BNN27, a novel C17-spiroepoxy steroid derivative, with TrkA receptors, regulating neuronal survival and differentiation. <i>Neuropharmacology</i> , 2016 , 111, 266-282	5.5	21
174	Autophagy in the physiology and pathology of the central nervous system. <i>Cell Death and Differentiation</i> , 2015 , 22, 398-407	12.7	134
173	<i>Caenorhabditis elegans</i> as a model for cancer research. <i>Molecular and Cellular Oncology</i> , 2015 , 2, e975027	7.2	22

172	Novel inducers of BECN1-independent autophagy: cis-unsaturated fatty acids. <i>Autophagy</i> , 2015 , 11, 575-70.2	10.2	12
171	Interfacing mitochondrial biogenesis and elimination to enhance host pathogen defense and longevity. <i>Worm</i> , 2015 , 4, e1071763		5
170	Coupling mitogenesis and mitophagy for longevity. <i>Autophagy</i> , 2015 , 11, 1428-30	10.2	53
169	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in <i>C. elegans</i> . <i>Current Biology</i> , 2015 , 25, 1810-22	6.3	137
168	Mitochondria, autophagy and age-associated neurodegenerative diseases: New insights into a complex interplay. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 1412-23	4.6	65
167	Coordination of mitophagy and mitochondrial biogenesis during ageing in <i>C. elegans</i> . <i>Nature</i> , 2015 , 521, 525-8	50.4	421
166	20S proteasome activation promotes life span extension and resistance to proteotoxicity in <i>Caenorhabditis elegans</i> . <i>FASEB Journal</i> , 2015 , 29, 611-22	0.9	101
165	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015 , 22, 58-73	12.7	643
164	Imaging ectopic fat deposition in <i>Caenorhabditis elegans</i> muscles using nonlinear microscopy. <i>Microscopy Research and Technique</i> , 2015 , 78, 523-8	2.8	3
163	Protein synthesis as an integral quality control mechanism during ageing. <i>Ageing Research Reviews</i> , 2015 , 23, 75-89	12	13
162	Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , 2015 , 34, 1025-41	13	126
161	A customized light sheet microscope to measure spatio-temporal protein dynamics in small model organisms. <i>PLoS ONE</i> , 2015 , 10, e0127869	3.7	19
160	FAH domain containing protein 1 (FAHD-1) is required for mitochondrial function and locomotion activity in <i>C. elegans</i> . <i>PLoS ONE</i> , 2015 , 10, e0134161	3.7	10
159	Stress responses during ageing: molecular pathways regulating protein homeostasis. <i>Methods in Molecular Biology</i> , 2015 , 1292, 215-34	1.4	6
158	Mitochondrial homeostasis: the interplay between mitophagy and mitochondrial biogenesis. <i>Experimental Gerontology</i> , 2014 , 56, 182-8	4.5	232
157	Cellular and molecular longevity pathways: the old and the new. <i>Trends in Endocrinology and Metabolism</i> , 2014 , 25, 212-23	8.8	12
156	Necrotic cell death in <i>Caenorhabditis elegans</i> . <i>Methods in Enzymology</i> , 2014 , 545, 127-55	1.7	14
155	Label-free imaging of lipid depositions in <i>C. elegans</i> using third-harmonic generation microscopy. <i>PLoS ONE</i> , 2014 , 9, e84431	3.7	26

154	Longevity pathways and memory aging. <i>Frontiers in Genetics</i> , 2014 , 5, 155	4.5	25
153	Enhanced proteasome degradation extends <i>Caenorhabditis elegans</i> lifespan and alleviates aggregation-related pathologies. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S18	7.8	9
152	Spermidine protects against β synuclein neurotoxicity. <i>Cell Cycle</i> , 2014 , 13, 3903-8	4.7	104
151	Necrotic Cell Death in <i>Caenorhabditis elegans</i> 2014 , 275-294		
150	The nucleotide-binding proteins Nubp1 and Nubp2 are negative regulators of ciliogenesis. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 517-38	10.3	18
149	Mitochondrial biogenesis and dynamics in neurodegeneration: a causative relationship. <i>Neurochemical Research</i> , 2014 , 39, 542-5	4.6	9
148	GPA-14, a G(i) subunit mediates dopaminergic behavioral plasticity in <i>C. elegans</i> . <i>Behavioral and Brain Functions</i> , 2013 , 9, 16	4.1	13
147	Autophagy and ageing: insights from invertebrate model organisms. <i>Ageing Research Reviews</i> , 2013 , 12, 413-28	12	59
146	The contactin RIG-6 mediates neuronal and non-neuronal cell migration in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2013 , 373, 184-95	3.1	14
145	The Ca ²⁺ /Mn ²⁺ ion-pump PMR1 links elevation of cytosolic Ca ²⁺ levels to β synuclein toxicity in Parkinson's disease models. <i>Cell Death and Differentiation</i> , 2013 , 20, 465-77	12.7	47
144	Spermidine promotes mating and fertilization efficiency in model organisms. <i>Cell Cycle</i> , 2013 , 12, 346-52	4.7	20
143	High-throughput and longitudinal analysis of aging and senescent decline in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2013 , 965, 485-500	1.4	13
142	Autophagy induction extends lifespan and reduces lipid content in response to frataxin silencing in <i>C. elegans</i> . <i>Experimental Gerontology</i> , 2013 , 48, 191-201	4.5	55
141	Oxidative stress and mitochondrial protein quality control in aging. <i>Journal of Proteomics</i> , 2013 , 92, 181-94	3.9	37
140	Crosstalk between apoptosis, necrosis and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 3448-3459	4.9	862
139	Assessing aging and senescent decline in <i>Caenorhabditis elegans</i> : cohort survival analysis. <i>Methods in Molecular Biology</i> , 2013 , 965, 473-84	1.4	13
138	Anthranilate fluorescence marks a calcium-propagated necrotic wave that promotes organismal death in <i>C. elegans</i> . <i>PLoS Biology</i> , 2013 , 11, e1001613	9.7	85
137	Endonuclease G mediates β synuclein cytotoxicity during Parkinson's disease. <i>EMBO Journal</i> , 2013 , 32, 3041-54	13	63

136	Metabolic control by target of rapamycin and autophagy during ageing - a mini-review. <i>Gerontology</i> , 2013 , 59, 340-8	5.5	35
135	Caenorhabditis elegans (Nematode) 2013 , 404-408		2
134	Automated motion correction for in vivo optical projection tomography. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1358-71	11.7	17
133	Downregulation of lung mitochondrial prohibitin in COPD. <i>Respiratory Medicine</i> , 2012 , 106, 954-61	4.6	36
132	Embryonic and induced pluripotent stem cell differentiation as a tool in neurobiology. <i>Biotechnology Journal</i> , 2012 , 7, 1156-68	5.6	9
131	Small heat-shock proteins protect from heat-stroke-associated neurodegeneration. <i>Nature</i> , 2012 , 490, 213-8	50.4	123
130	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.2	44.2	2783
129	Calcium homeostasis in aging neurons. <i>Frontiers in Genetics</i> , 2012 , 3, 200	4.5	59
128	Mitophagy in neurodegeneration and aging. <i>Frontiers in Genetics</i> , 2012 , 3, 297	4.5	94
127	Endocytosis and intracellular trafficking contribute to necrotic neurodegeneration in C. elegans. <i>EMBO Journal</i> , 2012 , 31, 654-66	13	21
126	Necrotic cell death and neurodegeneration: The involvement of endocytosis and intracellular trafficking. <i>Worm</i> , 2012 , 1, 176-81		7
125	Multiphoton Fluorescence Light Microscopy 2012 ,		1
124	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. <i>Journal of Cell Biology</i> , 2011 , 192, 615-29	7.3	362
123	Cellular stress response pathways and ageing: intricate molecular relationships. <i>EMBO Journal</i> , 2011 , 30, 2520-31	13	197
122	The role of autophagy in genetic pathways influencing ageing. <i>Biogerontology</i> , 2011 , 12, 377-86	4.5	14
121	Generalized matrix models and AGT correspondence at all genera. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	20
120	KIT receptor activation by autocrine and paracrine stem cell factor stimulates growth of merkel cell carcinoma in vitro. <i>Journal of Cellular Physiology</i> , 2011 , 226, 1099-109	7	23
119	Cell tracking in live Caenorhabditis elegans embryos via third harmonic generation imaging microscopy measurements. <i>Journal of Biomedical Optics</i> , 2011 , 16, 046019	3.5	15

118	Longevity-relevant regulation of autophagy at the level of the acetylproteome. <i>Autophagy</i> , 2011 , 7, 647-652	9.2	30
117	Microscopic optical projection tomography in vivo. <i>PLoS ONE</i> , 2011 , 6, e18963	3.7	40
116	Identification of the M541L sequence variation of the transmembrane KIT domain in Merkel cell carcinoma. <i>Anticancer Research</i> , 2011 , 31, 807-11	2.3	3
115	Can autophagy promote longevity?. <i>Nature Cell Biology</i> , 2010 , 12, 842-6	23.4	355
114	Autophagy and aging: lessons from progeria models. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 61-8	3.6	18
113	Regulation of mRNA translation as a conserved mechanism of longevity control. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 14-29	3.6	34
112	Caloric restriction and resveratrol promote longevity through the Sirtuin-1-dependent induction of autophagy. <i>Cell Death and Disease</i> , 2010 , 1, e10	9.8	441
111	The Genomes On Line Database (GOLD) in 2009: status of genomic and metagenomic projects and their associated metadata. <i>Nucleic Acids Research</i> , 2010 , 38, D346-54	20.1	331
110	Correction for specimen movement and rotation errors for in-vivo Optical Projection Tomography. <i>Biomedical Optics Express</i> , 2010 , 1, 87-96	3.5	36
109	Proteasome function determines cellular homeostasis and the rate of aging. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 38-46	3.6	33
108	The life span-prolonging effect of sirtuin-1 is mediated by autophagy. <i>Autophagy</i> , 2010 , 6, 186-8	10.2	113
107	Regulation of protein turnover by longevity pathways. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 69-80	3.6	26
106	Protein metabolism and lifespan in <i>Caenorhabditis elegans</i> . <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 81-107	3.6	2
105	Mitochondrial protein quality control systems in aging and disease. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 108-25	3.6	42
104	Protein homeostasis in models of aging and age-related conformational disease. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 138-59	3.6	121
103	Post-translational modification of cellular proteins by ubiquitin and ubiquitin-like molecules: role in cellular senescence and aging. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 172-96	3.6	23
102	Modeling human diseases in <i>Caenorhabditis elegans</i> . <i>Biotechnology Journal</i> , 2010 , 5, 1261-76	5.6	135
101	Autophagy and longevity: lessons from <i>C. elegans</i> . <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 47-60	3.6	21

100	Necrosis in yeast. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010 , 15, 257-68	5.4	117
99	Non-apoptotic cell death in <i>Caenorhabditis elegans</i> . <i>Developmental Dynamics</i> , 2010 , 239, 1337-51	2.9	18
98	Imaging <i>Caenorhabditis elegans</i> embryogenesis by third-harmonic generation microscopy. <i>Micron</i> , 2010 , 41, 444-7	2.3	10
97	Cell division stage in <i>C. elegans</i> imaged using third harmonic generation microscopy 2010 ,		2
96	Molecular modeling of mechanosensory ion channel structural and functional features. <i>PLoS ONE</i> , 2010 , 5, e12814	3.7	8
95	Opposing function of mitochondrial prohibitin in aging. <i>Aging</i> , 2010 , 2, 1004-11	5.6	19
94	Caspase-Independent Cell Death Mechanisms in Simple Animal Models 2010 , 9-33		
93	Protein Metabolism and Homeostasis in Aging. <i>Advances in Experimental Medicine and Biology</i> , 2010	3.6	5
92	Synthesis, modification and turnover of proteins during aging. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 1-13	3.6	27
91	Roles for SUMO modification during senescence. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 160-71	3.6	10
90	Sensory Influence on Homeostasis and Lifespan: Molecules and Circuits. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 197-210	3.6	6
89	Regulation of muscle atrophy in aging and disease. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 211-33	3.6	107
88	Confronting cellular heterogeneity in studies of protein metabolism and homeostasis in aging research. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 234-44	3.6	4
87	Protein synthesis and the antagonistic pleiotropy hypothesis of aging. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 30-7	3.6	23
86	Aging: Invertebrate Models of Normal Brain Aging 2009 , 211-218		
85	Cell-specific monitoring of protein synthesis in vivo. <i>PLoS ONE</i> , 2009 , 4, e4547	3.7	22
84	2 Common Aging Mechanisms: Energy Metabolism and Longevity in <i>Caenorhabditis elegans</i> 2009 , 21-32		
83	Autophagy in <i>Caenorhabditis elegans</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 1444-51	4.9	11

82	The NemaGENETAG initiative: large scale transposon insertion gene-tagging in <i>Caenorhabditis elegans</i> . <i>Genetica</i> , 2009 , 137, 39-46	1.5	33
81	Prohibitin couples diapause signalling to mitochondrial metabolism during ageing in <i>C. elegans</i> . <i>Nature</i> , 2009 , 461, 793-7	50.4	146
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