

Kai Kaarniranta

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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.

259
papers

20,628
citations

62
h-index

139
g-index

295
ext. papers

23,680
ext. citations

5.6
avg, IF

7.02
L-index

#	Paper	IF	Citations
259	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
258	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
257	Antagonistic crosstalk between NF- κ B and SIRT1 in the regulation of inflammation and metabolic disorders. <i>Cellular Signalling</i> , 2013 , 25, 1939-48	4.9	542
256	AMP-activated protein kinase inhibits NF- κ B signaling and inflammation: impact on healthspan and lifespan. <i>Journal of Molecular Medicine</i> , 2011 , 89, 667-76	5.5	537
255	AMP-activated protein kinase (AMPK) controls the aging process via an integrated signaling network. <i>Ageing Research Reviews</i> , 2012 , 11, 230-41	12	462
254	Activation of innate immunity system during aging: NF- κ B signaling is the molecular culprit of inflamm-aging. <i>Ageing Research Reviews</i> , 2008 , 7, 83-105	12	382
253	Emerging role of NF- κ B signaling in the induction of senescence-associated secretory phenotype (SASP). <i>Cellular Signalling</i> , 2012 , 24, 835-45	4.9	359
252	Inflammation and its role in age-related macular degeneration. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 1765-86	10.3	336
251	Inflammaging: disturbed interplay between autophagy and inflammasomes. <i>Aging</i> , 2012 , 4, 166-75	5.6	313
250	Inflammation in Alzheimer's disease: amyloid-beta oligomers trigger innate immunity defence via pattern recognition receptors. <i>Progress in Neurobiology</i> , 2009 , 87, 181-94	10.9	275
249	Crosstalk between Oxidative Stress and SIRT1: Impact on the Aging Process. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 3834-59	6.3	262
248	Maturation of autophagosomes and endosomes: a key role for Rab7. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 503-10	4.9	249
247	Celastrol: Molecular targets of Thunder God Vine. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 394, 439-42	3.4	243
246	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. <i>Autophagy</i> , 2013 , 9, 973-84	10.2	224
245	ER stress in Alzheimer's disease: a novel neuronal trigger for inflammation and Alzheimer's pathology. <i>Journal of Neuroinflammation</i> , 2009 , 6, 41	10.1	220
244	Astrocytes in the aging brain express characteristics of senescence-associated secretory phenotype. <i>European Journal of Neuroscience</i> , 2011 , 34, 3-11	3.5	216
243	Impaired autophagy and APP processing in Alzheimer's disease: The potential role of Beclin 1 interactome. <i>Progress in Neurobiology</i> , 2013 , 106-107, 33-54	10.9	213

242	Regulation of the aging process by autophagy. <i>Trends in Molecular Medicine</i> , 2009 , 15, 217-24	11.5	209
241	Mitochondrial dysfunction and oxidative stress activate inflammasomes: impact on the aging process and age-related diseases. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 2999-3013	10.3	202
240	Age-related macular degeneration (AMD): Alzheimer's disease in the eye?. <i>Journal of Alzheimer's Disease</i> , 2011 , 24, 615-31	4.3	176
239	SIRT1: regulation of longevity via autophagy. <i>Cellular Signalling</i> , 2009 , 21, 1356-60	4.9	165
238	Oxidative stress activates NLRP3 inflammasomes in ARPE-19 cells--implications for age-related macular degeneration (AMD). <i>Immunology Letters</i> , 2012 , 147, 29-33	4.1	163
237	Oxidative stress, hypoxia, and autophagy in the neovascular processes of age-related macular degeneration. <i>BioMed Research International</i> , 2014 , 2014, 768026	3	153
236	AMP-activated protein kinase: a potential player in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2011 , 118, 460-74	6	148
235	SIRT1 longevity factor suppresses NF-kappaB -driven immune responses: regulation of aging via NF-kappaB acetylation?. <i>BioEssays</i> , 2008 , 30, 939-42	4.1	144
234	Molecular mechanisms of retinal pigment epithelium damage and development of age-related macular degeneration. <i>Acta Ophthalmologica</i> , 2012 , 90, 299-309	3.7	141
233	Insulin/IGF-1 paradox of aging: regulation via AKT/IKK/NF-kappaB signaling. <i>Cellular Signalling</i> , 2010 , 22, 573-7	4.9	141
232	Defects in retinal pigment epithelial cell proteolysis and the pathology associated with age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2016 , 51, 69-89	20.5	130
231	Polyphenol Stilbenes: Molecular Mechanisms of Defence against Oxidative Stress and Aging-Related Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2015 , 2015, 340520	6.7	130
230	Amyloid-beta oligomers set fire to inflammasomes and induce Alzheimer's pathology. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 2255-62	5.6	128
229	Autophagy activation clears ELAVL1/HuR-mediated accumulation of SQSTM1/p62 during proteasomal inhibition in human retinal pigment epithelial cells. <i>PLoS ONE</i> , 2013 , 8, e69563	3.7	119
228	Beclin 1 interactome controls the crosstalk between apoptosis, autophagy and inflammasome activation: impact on the aging process. <i>Ageing Research Reviews</i> , 2013 , 12, 520-34	12	109
227	Regulatory role of HIF-1alpha in the pathogenesis of age-related macular degeneration (AMD). <i>Ageing Research Reviews</i> , 2009 , 8, 349-58	12	109
226	Clearance of misfolded and aggregated proteins by aggrephagy and implications for aggregation diseases. <i>Ageing Research Reviews</i> , 2014 , 18, 16-28	12	105
225	Emerging role of p62/sequestosome-1 in the pathogenesis of Alzheimer's disease. <i>Progress in Neurobiology</i> , 2012 , 96, 87-95	10.9	104

224	Autophagy in DNA damage response. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 2641-62	6.3	102
223	Hypoxia/ischemia activate processing of Amyloid Precursor Protein: impact of vascular dysfunction in the pathogenesis of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2017 , 140, 536-549	6	100
222	Crosstalk between Hsp70 molecular chaperone, lysosomes and proteasomes in autophagy-mediated proteolysis in human retinal pigment epithelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 3616-31	5.6	100
221	Role of antioxidant enzymes and small molecular weight antioxidants in the pathogenesis of age-related macular degeneration (AMD). <i>Biogerontology</i> , 2013 , 14, 461-82	4.5	99
220	NF-kappaB signaling in the aging process. <i>Journal of Clinical Immunology</i> , 2009 , 29, 397-405	5.7	99
219	Endoplasmic reticulum stress in age-related macular degeneration: trigger for neovascularization. <i>Molecular Medicine</i> , 2010 , 16, 535-42	6.2	98
218	Switching from a preserved to a preservative-free prostaglandin preparation in topical glaucoma medication. <i>Acta Ophthalmologica</i> , 2010 , 88, 329-36	3.7	97
217	Autophagy regulates death of retinal pigment epithelium cells in age-related macular degeneration. <i>Cell Biology and Toxicology</i> , 2017 , 33, 113-128	7.4	96
216	Age-related changes in AMPK activation: Role for AMPK phosphatases and inhibitory phosphorylation by upstream signaling pathways. <i>Ageing Research Reviews</i> , 2016 , 28, 15-26	12	95
215	Heat shock proteins as gatekeepers of proteolytic pathways-Implications for age-related macular degeneration (AMD). <i>Ageing Research Reviews</i> , 2009 , 8, 128-39	12	94
214	Hsp90 regulates tau pathology through co-chaperone complexes in Alzheimer's disease. <i>Progress in Neurobiology</i> , 2011 , 93, 99-110	10.9	91
213	Mechanisms of mitochondrial dysfunction and their impact on age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2020 , 79, 100858	20.5	87
212	Apoptosis and aging: increased resistance to apoptosis enhances the aging process. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 1021-31	10.3	86
211	Histone demethylase Jumonji D3 (JMJD3/KDM6B) at the nexus of epigenetic regulation of inflammation and the aging process. <i>Journal of Molecular Medicine</i> , 2014 , 92, 1035-43	5.5	85
210	ER stress and hormetic regulation of the aging process. <i>Ageing Research Reviews</i> , 2010 , 9, 211-7	12	85
209	Control of p53 and NF-B signaling by WIP1 and MIF: role in cellular senescence and organismal aging. <i>Cellular Signalling</i> , 2011 , 23, 747-52	4.9	82
208	Innate immunity meets with cellular stress at the IKK complex: regulation of the IKK complex by HSP70 and HSP90. <i>Immunology Letters</i> , 2008 , 117, 9-15	4.1	78
207	NLRP3 inflammasome activation is associated with proliferative diabetic retinopathy. <i>Acta Ophthalmologica</i> , 2017 , 95, 803-808	3.7	75

206	Krebs cycle intermediates regulate DNA and histone methylation: epigenetic impact on the aging process. <i>Ageing Research Reviews</i> , 2014 , 16, 45-65	12	74
205	Loss of NRF-2 and PGC-1 β genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. <i>Redox Biology</i> , 2019 , 20, 1-12	11.3	73
204	Immunosenescence: the potential role of myeloid-derived suppressor cells (MDSC) in age-related immune deficiency. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 1901-1918	10.3	72
203	Role of Mitochondrial DNA Damage in ROS-Mediated Pathogenesis of Age-Related Macular Degeneration (AMD). <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	71
202	Krebs cycle dysfunction shapes epigenetic landscape of chromatin: novel insights into mitochondrial regulation of aging process. <i>Cellular Signalling</i> , 2014 , 26, 1598-603	4.9	65
201	Efflux protein expression in human retinal pigment epithelium cell lines. <i>Pharmaceutical Research</i> , 2009 , 26, 1785-91	4.5	65
200	Mitochondrial and nuclear DNA damage and repair in age-related macular degeneration. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 2996-3010	6.3	64
199	The marine n-3 PUFA DHA evokes cytoprotection against oxidative stress and protein misfolding by inducing autophagy and NFE2L2 in human retinal pigment epithelial cells. <i>Autophagy</i> , 2015 , 11, 1636-51	10.2	62
198	Matrix metalloproteinases and their inhibitors in the chamber angle of normal eyes and patients with primary open-angle glaucoma and exfoliation glaucoma. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 697-704	3.8	62
197	Epigenetic regulation of clusterin/apolipoprotein J expression in retinal pigment epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 357, 397-401	3.4	62
196	Stage-specific expression and cellular localization of the heat shock factor 2 isoforms in the rat seminiferous epithelium. <i>Experimental Cell Research</i> , 1998 , 240, 16-27	4.2	61
195	AMPK/Snf1 signaling regulates histone acetylation: Impact on gene expression and epigenetic functions. <i>Cellular Signalling</i> , 2016 , 28, 887-95	4.9	59
194	Impaired mitochondrial energy metabolism in Alzheimer's disease: Impact on pathogenesis via disturbed epigenetic regulation of chromatin landscape. <i>Progress in Neurobiology</i> , 2015 , 131, 1-20	10.9	59
193	Comparison of three intraocular pressure measurement methods including biomechanical properties of the cornea 2014 , 55, 666-73		59
192	PGC-1 β Protects RPE Cells of the Aging Retina against Oxidative Stress-Induced Degeneration through the Regulation of Senescence and Mitochondrial Quality Control. The Significance for AMD Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	58
191	2-Oxoglutarate-dependent dioxygenases are sensors of energy metabolism, oxygen availability, and iron homeostasis: potential role in the regulation of aging process. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 3897-914	10.3	57
190	Natural thermal adaptation increases heat shock protein levels and decreases oxidative stress. <i>Redox Biology</i> , 2014 , 3, 25-8	11.3	57
189	ROCK, PAK, and Toll of synapses in Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 371, 587-90	3.4	57

188	p62/sequestosome 1 as a regulator of proteasome inhibitor-induced autophagy in human retinal pigment epithelial cells. <i>Molecular Vision</i> , 2010 , 16, 1399-414	2.3	57
187	Cellular and molecular mechanisms of age-related macular degeneration: from impaired autophagy to neovascularization. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 1457-67	5.6	56
186	Mechanisms of protein aggregation in the retinal pigment epithelial cells. <i>Frontiers in Bioscience - Elite</i> , 2010 , 2, 1374-84	1.6	56
185	Siglec receptors and hiding plaques in Alzheimer's disease. <i>Journal of Molecular Medicine</i> , 2009 , 87, 697-701	3.1	56
184	Context-Dependent Regulation of Autophagy by IKK-NF- κ B Signaling: Impact on the Aging Process. <i>International Journal of Cell Biology</i> , 2012 , 2012, 849541	2.6	54
183	Lysosomes: Regulators of autophagy in the retinal pigmented epithelium. <i>Experimental Eye Research</i> , 2016 , 144, 46-53	3.7	53
182	Regulation of longevity by FGF21: Interaction between energy metabolism and stress responses. <i>Ageing Research Reviews</i> , 2017 , 37, 79-93	12	53
181	FGF21 activates AMPK signaling: impact on metabolic regulation and the aging process. <i>Journal of Molecular Medicine</i> , 2017 , 95, 123-131	5.5	53
180	The effect of 17beta-estradiol on IL-6 secretion and NF-kappaB DNA-binding activity in human retinal pigment epithelial cells. <i>Immunology Letters</i> , 2007 , 110, 139-44	4.1	53
179	Multifactor effects and evidence of potential interaction between complement factor H Y402H and LOC387715 A69S in age-related macular degeneration. <i>PLoS ONE</i> , 2008 , 3, e3833	3.7	53
178	Genetics vs. entropy: longevity factors suppress the NF-kappaB-driven entropic aging process. <i>Ageing Research Reviews</i> , 2010 , 9, 298-314	12	52
177	The role of myeloid-derived suppressor cells (MDSC) in the inflammaging process. <i>Ageing Research Reviews</i> , 2018 , 48, 1-10	12	52
176	Filter-cultured ARPE-19 cells as outer blood-retinal barrier model. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 40, 289-96	5.1	51
175	Decline in cellular clearance systems induces inflammasome signaling in human ARPE-19 cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 3038-46	4.9	50
174	Interplay between Autophagy and the Ubiquitin-Proteasome System and Its Role in the Pathogenesis of Age-Related Macular Degeneration. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	49
173	Cellular Senescence in Age-Related Macular Degeneration: Can Autophagy and DNA Damage Response Play a Role?. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 5293258	6.7	49
172	Integrated stress response stimulates FGF21 expression: Systemic enhancer of longevity. <i>Cellular Signalling</i> , 2017 , 40, 10-21	4.9	49
171	Protein-oxidized phospholipid interactions in cellular signaling for cell death: from biophysics to clinical correlations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 2446-55	3.8	49

170	Fisetin and luteolin protect human retinal pigment epithelial cells from oxidative stress-induced cell death and regulate inflammation. <i>Scientific Reports</i> , 2015 , 5, 17645	4.9	48
169	cDNA array reveals mechanosensitive genes in chondrocytic cells under hydrostatic pressure. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002 , 1591, 45-54	4.9	47
168	Hypoxia-Inducible Histone Lysine Demethylases: Impact on the Aging Process and Age-Related Diseases 2016 , 7, 180-200		47
167	Analysis of variants in the complement factor H, the elongation of very long chain fatty acids-like 4 and the hemicentin 1 genes of age-related macular degeneration in the Finnish population. <i>Molecular Vision</i> , 2006 , 12, 796-801	2.3	47
166	AMPK and HIF signaling pathways regulate both longevity and cancer growth: the good news and the bad news about survival mechanisms. <i>Biogerontology</i> , 2016 , 17, 655-80	4.5	46
165	Mitochondrial quality control in AMD: does mitophagy play a pivotal role?. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 2991-3008	10.3	46
164	Pharmacokinetics, efficacy and safety profiles of preserved and preservative-free tafluprost in healthy volunteers. <i>Acta Ophthalmologica</i> , 2008 , 242, 7-13	3.7	45
163	A rat experimental model of glaucoma incorporating rapid-onset elevation of intraocular pressure. <i>Scientific Reports</i> , 2014 , 4, 5910	4.9	44
162	AMPK activation inhibits the functions of myeloid-derived suppressor cells (MDSC): impact on cancer and aging. <i>Journal of Molecular Medicine</i> , 2019 , 97, 1049-1064	5.5	43
161	Geldanamycin increases 4-hydroxynonenal (HNE)-induced cell death in human retinal pigment epithelial cells. <i>Neuroscience Letters</i> , 2005 , 382, 185-90	3.3	42
160	Pinosylvin-mediated protection against oxidative stress in human retinal pigment epithelial cells. <i>Molecular Vision</i> , 2014 , 20, 760-9	2.3	41
159	Hypoxia and inflammation in the release of VEGF and interleukins from human retinal pigment epithelial cells. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 1757-1762	3.8	40
158	DNA damage response and autophagy in the degeneration of retinal pigment epithelial cells-Implications for age-related macular degeneration (AMD). <i>Ageing Research Reviews</i> , 2017 , 36, 64-77 ¹²		40
157	Dietary Polyphenols in Age-Related Macular Degeneration: Protection against Oxidative Stress and Beyond. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 9682318	6.7	40
156	Glycolysis links p53 function with NF-kappaB signaling: impact on cancer and aging process. <i>Journal of Cellular Physiology</i> , 2010 , 224, 1-6	7	40
155	Benefits of switching from latanoprost to preservative-free tafluprost eye drops: a meta-analysis of two Phase IIIb clinical trials. <i>Clinical Ophthalmology</i> , 2016 , 10, 445-54	2.5	40
154	Phytochemicals suppress nuclear factor- B signaling: impact on health span and the aging process. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012 , 15, 23-8	3.8	39
153	Quercetin alleviates 4-hydroxynonenal-induced cytotoxicity and inflammation in ARPE-19 cells. <i>Experimental Eye Research</i> , 2015 , 132, 208-15	3.7	38

152	SIRT1 regulates the ribosomal DNA locus: epigenetic candles twinkle longevity in the Christmas tree. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 378, 6-9	3.4	38
151	NF-kappaB signaling as a putative target for omega-3 metabolites in the prevention of age-related macular degeneration (AMD). <i>Experimental Gerontology</i> , 2009 , 44, 685-8	4.5	37
150	Symptom score questionnaire for nasolacrimal duct obstruction in adults--a novel tool to assess the outcome after endoscopic dacryocystorhinostomy. <i>Rhinology</i> , 2010 , 48, 446-51	7	36
149	Hsp90 inhibition as a means to inhibit activation of the NLRP3 inflammasome. <i>Scientific Reports</i> , 2018 , 8, 6720	4.9	35
148	The preservative polyquaternium-1 increases cytotoxicity and NF-kappaB linked inflammation in human corneal epithelial cells. <i>Molecular Vision</i> , 2012 , 18, 1189-96	2.3	35
147	Plant flavonol quercetin and isoflavone biochanin A differentially induce protection against oxidative stress and inflammation in ARPE-19 cells. <i>Food Research International</i> , 2011 , 44, 109-113	7	33
146	Oxidative stress protection by exogenous delivery of rhHsp70 chaperone to the retinal pigment epithelium (RPE), a possible therapeutic strategy against RPE degeneration. <i>Pharmaceutical Research</i> , 2015 , 32, 211-21	4.5	32
145	ER stress activates immunosuppressive network: implications for aging and Alzheimer's disease. <i>Journal of Molecular Medicine</i> , 2020 , 98, 633-650	5.5	32
144	Efflux protein expression in human stem cell-derived retinal pigment epithelial cells. <i>PLoS ONE</i> , 2012 , 7, e30089	3.7	32
143	5'-Adenosine monophosphate-activated protein kinase--mammalian target of rapamycin axis as therapeutic target for age-related macular degeneration. <i>Rejuvenation Research</i> , 2011 , 14, 651-60	2.6	32
142	Oxidative Stress is the Principal Contributor to Inflammasome Activation in Retinal Pigment Epithelium Cells with Defunct Proteasomes and Autophagy. <i>Cellular Physiology and Biochemistry</i> , 2018 , 49, 359-367	3.9	31
141	Celastrol regulates innate immunity response via NF-B and Hsp70 in human retinal pigment epithelial cells. <i>Pharmacological Research</i> , 2011 , 64, 501-8	10.2	31
140	Mitomycin C in revision endoscopic dacryocystorhinostomy: a prospective randomized study. <i>American Journal of Rhinology and Allergy</i> , 2011 , 25, 425-8	2.4	31
139	Immunolocalization of EMMPRIN (CD147) in the human eye and detection of soluble form of EMMPRIN in ocular fluids. <i>Current Eye Research</i> , 2006 , 31, 917-24	2.9	31
138	Inhibition of DNA methyltransferase or histone deacetylase protects retinal pigment epithelial cells from DNA damage induced by oxidative stress by the stimulation of antioxidant enzymes. <i>European Journal of Pharmacology</i> , 2016 , 776, 167-75	5.3	30
137	Retinal arterial macroaneurysms. <i>Acta Ophthalmologica</i> , 2014 , 92, 101-4	3.7	30
136	Corneal epithelium as a platform for secretion of transgene products after transfection with liposomal gene eyedrops. <i>Journal of Gene Medicine</i> , 2007 , 9, 208-16	3.5	30
135	Phospholipase A2 in chamber angle of normal eyes and patients with primary open angle glaucoma and exfoliation glaucoma. <i>Molecular Vision</i> , 2007 , 13, 408-17	2.3	30

134	Myeloid-derived suppressor cells (MDSC): an important partner in cellular/tissue senescence. <i>Biogerontology</i> , 2018 , 19, 325-339	4.5	29
133	Estrogen signalling in the pathogenesis of age-related macular degeneration. <i>Current Eye Research</i> , 2015 , 40, 226-33	2.9	29
132	Structure and barrier properties of human embryonic stem cell-derived retinal pigment epithelial cells are affected by extracellular matrix protein coating. <i>Tissue Engineering - Part A</i> , 2014 , 20, 622-34	3.9	29
131	A prospective study on postoperative pain after cataract surgery. <i>Clinical Ophthalmology</i> , 2013 , 7, 1429-35	3.5	29
130	Two dietary polyphenols, fisetin and luteolin, reduce inflammation but augment DNA damage-induced toxicity in human RPE cells. <i>Journal of Nutritional Biochemistry</i> , 2017 , 42, 37-42	6.3	28
129	Alpha-lipoic Acid modulates heat shock factor-1 expression in streptozotocin-induced diabetic rat kidney. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 497-506	8.4	28
128	Melatonin in Retinal Physiology and Pathology: The Case of Age-Related Macular Degeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 6819736	6.7	28
127	Ageing of the vitreous: From acute onset floaters and flashes to retinal detachment. <i>Ageing Research Reviews</i> , 2015 , 21, 71-7	12	27
126	Adiponectin receptor 1 gene (ADIPOR1) variant is associated with advanced age-related macular degeneration in Finnish population. <i>Neuroscience Letters</i> , 2012 , 513, 233-7	3.3	27
125	Imiquimod in the treatment of eyelid basal cell carcinoma. <i>Acta Ophthalmologica</i> , 2007 , 85, 566-568		25
124	The Regulation of NFE2L2 (NRF2) Signalling and Epithelial-to-Mesenchymal Transition in Age-Related Macular Degeneration Pathology. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	25
123	Postoperative pain after cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2013 , 39, 789-98	2.3	24
122	Nutraceutical with Resveratrol and Omega-3 Fatty Acids Induces Autophagy in ARPE-19 Cells. <i>Nutrients</i> , 2016 , 8,	6.7	24
121	Antimycin A-Induced Mitochondrial Damage Causes Human RPE Cell Death despite Activation of Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 1583656	6.7	23
120	Epigenetic regulation of ASC/TMS1 expression: potential role in apoptosis and inflammasome function. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 1855-64	10.3	23
119	Outcome of anti-vascular endothelial growth factor therapy for neovascular age-related macular degeneration in real-life setting. <i>British Journal of Ophthalmology</i> , 2018 , 102, 959-965	5.5	23
118	Resveratrol as Inducer of Autophagy, Pro-Survival, and Anti-Inflammatory Stimuli in Cultured Human RPE Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	22
117	Tear film proteome in age-related macular degeneration. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2018 , 256, 1127-1139	3.8	22

116	A mouse model for Stickler's syndrome: ocular phenotype of mice carrying a targeted heterozygous inactivation of type II (pro)collagen gene (Col2a1). <i>Experimental Eye Research</i> , 2006 , 83, 297-303	3.7	22
115	Protein synthesis is required for stabilization of hsp70 mRNA upon exposure to both hydrostatic pressurization and elevated temperature. <i>FEBS Letters</i> , 2000 , 475, 283-6	3.8	22
114	Expression of VEGFA-regulating miRNAs and mortality in wet AMD. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 8464-8471	5.6	21
113	Autophagy regulating kinases as potential therapeutic targets for age-related macular degeneration. <i>Future Medicinal Chemistry</i> , 2012 , 4, 2153-61	4.1	21
112	Differential regulation of stress proteins by high hydrostatic pressure, heat shock, and unbalanced calcium homeostasis in chondrocytic cells. <i>Journal of Cellular Biochemistry</i> , 2000 , 79, 610-9	4.7	21
111	Phytochemicals inhibit the immunosuppressive functions of myeloid-derived suppressor cells (MDSC): Impact on cancer and age-related chronic inflammatory disorders. <i>International Immunopharmacology</i> , 2018 , 61, 231-240	5.8	20
110	Radicicol but not geldanamycin evokes oxidative stress response and efflux protein inhibition in ARPE-19 human retinal pigment epithelial cells. <i>European Journal of Pharmacology</i> , 2008 , 584, 229-36	5.3	20
109	NEMO shuttle: a link between DNA damage and NF-kappaB activation in progeroid syndromes?. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 367, 715-8	3.4	20
108	All-Trans Retinoic Acid Modulates DNA Damage Response and the Expression of the VEGF-A and MKI67 Genes in ARPE-19 Cells Subjected to Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	20
107	Fatty acids and oxidized lipoproteins contribute to autophagy and innate immunity responses upon the degeneration of retinal pigment epithelium and development of age-related macular degeneration. <i>Biochimie</i> , 2019 , 159, 49-54	4.6	19
106	Compromised Barrier Function in Human Induced Pluripotent Stem-Cell-Derived Retinal Pigment Epithelial Cells from Type 2 Diabetic Patients. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	19
105	Cationorm shows good tolerability on human HCE-2 corneal epithelial cell cultures. <i>Experimental Eye Research</i> , 2014 , 120, 82-9	3.7	19
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