

Noncanonical Autophagy Promotes the Visual Cycle

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Spinal descent of cerebrospinal fluid in man. <i>Neurology</i> , 1976, 26, 1-1.	1.5	160
2	Revising and validating the 2000 Word Level and University Word Level Vocabulary Tests. <i>Language Testing</i> , 1999, 16, 131-162.	1.7	88
3	Recycling in sight. <i>Nature</i> , 2013, 501, 40-42.	13.7	3
4	Rhodopsin homeostasis and retinal degeneration: lessons from the fly. <i>Trends in Neurosciences</i> , 2013, 36, 652-660.	4.2	68
5	Associations Between Abnormal Rod-Mediated Dark Adaptation and Health and Functioning in Older Adults With Normal Macular Health. , 2014, 55, 4776.		62
6	Circadian and Noncircadian Modulation of Autophagy in Photoreceptors and Retinal Pigment Epithelium. , 2014, 55, 3237.		63
7	Transcellular degradation of axonal mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9633-9638.	3.3	476
8	Dysregulated autophagy in the RPE is associated with increased susceptibility to oxidative stress and AMD. <i>Autophagy</i> , 2014, 10, 1989-2005.	4.3	352
9	Retinal pigment epithelial cells undergoing mitotic catastrophe are vulnerable to autophagy inhibition. <i>Cell Death and Disease</i> , 2014, 5, e1303-e1303.	2.7	35
10	Autophagy and mitochondrial alterations in human retinal pigment epithelial cells induced by ethanol: implications of 4-hydroxy-nonenal. <i>Cell Death and Disease</i> , 2014, 5, e1328-e1328.	2.7	37
11	Quantitative Autofluorescence and Cell Density Maps of the Human Retinal Pigment Epithelium. , 2014, 55, 4832.		182
12	Inhibition of autophagy induces retinal pigment epithelial cell damage by the lipofuscin fluorophore A2E. <i>FEBS Open Bio</i> , 2014, 4, 1007-1014.	1.0	37
13	Impaired OMA1 dependent OPA1 cleavage and reduced DRP1 fission activity combine to prevent mitophagy in OXPHOS dependent cells. <i>Journal of Cell Science</i> , 2014, 127, 2313-25.	1.2	90
14	Autophagosome formation in response to intracellular bacterial invasion. <i>Cellular Microbiology</i> , 2014, 16, 1619-1626.	1.1	27
15	A genome-wide association study identifies a functional ERAP2 haplotype associated with birdshot chorioretinopathy. <i>Human Molecular Genetics</i> , 2014, 23, 6081-6087.	1.4	115
16	Selective autophagy against membranous compartments. <i>Autophagy</i> , 2014, 10, 397-407.	4.3	23
17	To Be or Not to Be? How Selective Autophagy and Cell Death Govern Cell Fate. <i>Cell</i> , 2014, 157, 65-75.	13.5	606
18	Progressive dysfunction of the retinal pigment epithelium and retina due to increased VEGF levels. <i>FASEB Journal</i> , 2014, 28, 2369-2379.	0.2	48

#	ARTICLE	IF	CITATIONS
19	Vertebrate Photoreceptors. , 2014, , .		7
20	Lysosomal-mediated waste clearance in retinal pigment epithelial cells is regulated by CRYBA1/Î²A3/A1-crystallin via V-ATPase-MTORC1 signaling. <i>Autophagy</i> , 2014, 10, 480-496.	4.3	113
21	Approaches for detecting lysosomal alkalization and impaired degradation in fresh and cultured RPE cells: Evidence for a role in retinal degenerations. <i>Experimental Eye Research</i> , 2014, 126, 68-76.	1.2	70
22	Studying melanin and lipofuscin in RPE cell culture models. <i>Experimental Eye Research</i> , 2014, 126, 61-67.	1.2	67
23	Screening in Planarians Identifies MORN2 as a Key Component in LC3-Associated Phagocytosis and Resistance to Bacterial Infection. <i>Cell Host and Microbe</i> , 2014, 16, 338-350.	5.1	95
24	Polyethylene glycol induced mouse model of retinal degeneration. <i>Experimental Eye Research</i> , 2014, 127, 143-152.	1.2	20
25	Autophagy in Tuberculosis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a018481-a018481.	2.9	77
26	Atomistic Autophagy: The Structures of Cellular Self-Digestion. <i>Cell</i> , 2014, 157, 300-311.	13.5	173
27	Autophagy in the eye: Implications for ocular cell health. <i>Experimental Eye Research</i> , 2014, 124, 56-66.	1.2	125
28	Noncanonical autophagy: one small step for LC3, one giant leap for immunity. <i>Current Opinion in Immunology</i> , 2014, 26, 69-75.	2.4	93
29	<scp>KIM</scp>â€â€mediated phagocytosis links <scp>ATG</scp>5â€â€dependent clearance of apoptotic cells to antigen presentation. <i>EMBO Journal</i> , 2015, 34, 2441-2464.	3.5	76
30	Autophagic Regulation of Retinal Pigment Epithelium Homeostasis. <i>Journal of Pigmentary Disorders</i> , 2015, 2, .	0.2	0
31	Disease Expression in Autosomal Recessive Retinal Dystrophy Associated With Mutations in the <i>DRAM2</i> Gene. , 2015, 56, 8083.		13
32	NLRP3 Inflammasome and Pathobiology in AMD. <i>Journal of Clinical Medicine</i> , 2015, 4, 172-192.	1.0	74
33	Lack of Acid Sphingomyelinase Induces Age-Related Retinal Degeneration. <i>PLoS ONE</i> , 2015, 10, e0133032.	1.1	13
34	Role of Autophagy in Photoreceptor Cell Survival and Death. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2015, 25, 23-32.	0.4	14
35	Chitosan nanoparticle-mediated delivery of miRNA-34a decreases prostate tumor growth in the bone and its expression induces non-canonical autophagy. <i>Oncotarget</i> , 2015, 6, 29161-29177.	0.8	105
36	Autophagy in cellular metabolism and cancer. <i>Journal of Clinical Investigation</i> , 2015, 125, 47-54.	3.9	173

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37	V-ATPase and osmotic imbalances activate endolysosomal LC3 lipidation. <i>Autophagy</i> , 2015, 11, 88-99.	4.3	160
38	Autophagy supports survival and phototransduction protein levels in rod photoreceptors. <i>Cell Death and Differentiation</i> , 2015, 22, 488-498.	5.0	68
39	Autophagy in the physiology and pathology of the central nervous system. <i>Cell Death and Differentiation</i> , 2015, 22, 398-407.	5.0	169
40	The Contribution of Melanoregulin to Microtubule-Associated Protein 1 Light Chain 3 (LC3) Associated Phagocytosis in Retinal Pigment Epithelium. <i>Molecular Neurobiology</i> , 2015, 52, 1135-1151.	1.9	59
41	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, 1636-1651.	4.3	83
42	Photo-damage, photo-protection and age-related macular degeneration. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1560-1577.	1.6	29
43	Molecular characterization of LC3-associated phagocytosis reveals distinct roles for Rubicon, NOX2 and autophagy proteins. <i>Nature Cell Biology</i> , 2015, 17, 893-906.	4.6	702
44	Deletion of autophagy inducer <i>RB1CC1</i> results in degeneration of the retinal pigment epithelium. <i>Autophagy</i> , 2015, 11, 939-953.	4.3	103
45	Cholesterol-mediated activation of acid sphingomyelinase disrupts autophagy in the retinal pigment epithelium. <i>Molecular Biology of the Cell</i> , 2015, 26, 1-14.	0.9	91
46	Unsaturated fatty acid-induced non-canonical autophagy: unusual? or unappreciated?. <i>EMBO Journal</i> , 2015, 34, 978-980.	3.5	6
47	Retinal thickness in children with anisohypermetropic amblyopia. <i>British Journal of Ophthalmology</i> , 2015, 99, 1060-1064.	2.1	19
48	Photoreceptor phagosome processing defects and disturbed autophagy in retinal pigment epithelium of <i>Cln3^{ex1-6}</i> mice modelling juvenile neuronal ceroid lipofuscinosis (Batten) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>		
49	Microtubule motors transport phagosomes in the RPE, and lack of KLC1 leads to AMD-like pathogenesis. <i>Journal of Cell Biology</i> , 2015, 210, 595-611.	2.3	76
50	Di-retinoid-pyridinium-ethanolamine (A2E) Accumulation and the Maintenance of the Visual Cycle Are Independent of Atg7-mediated Autophagy in the Retinal Pigmented Epithelium. <i>Journal of Biological Chemistry</i> , 2015, 290, 29035-29044.	1.6	31
51	Prix Fixe: Efferocytosis as a Four-Course Meal. <i>Current Topics in Microbiology and Immunology</i> , 2015, 403, 1-36.	0.7	25
52	Pharmacological Modulation of Photoreceptor Outer Segment Degradation in a Human iPS Cell Model of Inherited Macular Degeneration. <i>Molecular Therapy</i> , 2015, 23, 1700-1711.	3.7	56
53	Autophagy supports color vision. <i>Autophagy</i> , 2015, 11, 1821-1832.	4.3	32
54	Lysosomal membrane permeabilization and autophagy blockade contribute to photoreceptor cell death in a mouse model of retinitis pigmentosa. <i>Cell Death and Differentiation</i> , 2015, 22, 476-487.	5.0	114

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55	Mutations in MFSD8, Encoding a Lysosomal Membrane Protein, Are Associated with Nonsyndromic Autosomal Recessive Macular Dystrophy. <i>Ophthalmology</i> , 2015, 122, 170-179.	2.5	60
56	Autophagy in Ocular Pathophysiology. , 0, , .		1
57	Cytomegalovirus Blocks Autophagy During Infection of the Retinal Pigment Epithelial Cells. , 2016, , 267-279.		0
58	Melatonin in Retinal Physiology and Pathology: The Case of Age-Related Macular Degeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	44
59	Mitochondria Know No Boundaries: Mechanisms and Functions of Intercellular Mitochondrial Transfer. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 107.	1.8	296
60	The Role of Autophagy-Related Proteins in <i>Candida albicans</i> Infections. <i>Pathogens</i> , 2016, 5, 34.	1.2	17
61	Tyrosinase-Cre-Mediated Deletion of the Autophagy Gene <i>Atg7</i> Leads to Accumulation of the RPE65 Variant M450 in the Retinal Pigment Epithelium of C57BL/6 Mice. <i>PLoS ONE</i> , 2016, 11, e0161640.	1.1	13
63	<i>C. elegans</i> midbodies are released, phagocytosed, and undergo LC3-dependent degradation independent of macroautophagy. <i>Journal of Cell Science</i> , 2016, 129, 3721-3731.	1.2	38
64	Clearance of autophagy-associated dying retinal pigment epithelial cells – a possible source for inflammation in age-related macular degeneration. <i>Cell Death and Disease</i> , 2016, 7, e2367-e2367.	2.7	47
65	Autophagy and Mammalian Viruses. <i>Advances in Virus Research</i> , 2016, 95, 149-195.	0.9	92
66	Systemic Analysis of <i>Atg5</i> -Null Mice Rescued from Neonatal Lethality by Transgenic <i>ATG5</i> Expression in Neurons. <i>Developmental Cell</i> , 2016, 39, 116-130.	3.1	99
67	Mice deficient in the <i>Vici</i> syndrome gene <i>Epg5</i> exhibit features of retinitis pigmentosa. <i>Autophagy</i> , 2016, 12, 2263-2270.	4.3	19
68	LC3-associated phagocytosis: a crucial mechanism for antifungal host defence against <i>Aspergillus fumigatus</i> . <i>Cellular Microbiology</i> , 2016, 18, 1208-1216.	1.1	42
69	Autophagy in the eye: Development, degeneration, and aging. <i>Progress in Retinal and Eye Research</i> , 2016, 55, 206-245.	7.3	184
70	Golgi-associated LC3 lipidation requires V-ATPase in noncanonical autophagy. <i>Cell Death and Disease</i> , 2016, 7, e2330-e2330.	2.7	38
71	Autophagy proteins are not universally required for phagosome maturation. <i>Autophagy</i> , 2016, 12, 1440-1446.	4.3	35
72	Autophagy in kidney disease and aging: lessons from rodent models. <i>Kidney International</i> , 2016, 90, 950-964.	2.6	114
73	LAP: the protector against autoimmunity. <i>Cell Research</i> , 2016, 26, 865-866.	5.7	12

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74	TAK1 is involved in the autophagy process in retinal pigment epithelial cells. <i>Biochemistry and Cell Biology</i> , 2016, 94, 188-196.	0.9	2
75	Regulation of Phagolysosomal Digestion by Caveolin-1 of the Retinal Pigment Epithelium Is Essential for Vision. <i>Journal of Biological Chemistry</i> , 2016, 291, 6494-6506.	1.6	46
76	The clearance of dying cells: table for two. <i>Cell Death and Differentiation</i> , 2016, 23, 915-926.	5.0	239
77	Aspergillus Cell Wall Melanin Blocks LC3-Associated Phagocytosis to Promote Pathogenicity. <i>Cell Host and Microbe</i> , 2016, 19, 79-90.	5.1	183
78	Introduction to Autophagy in the Eye (or "What's Eatin' You?"). <i>Experimental Eye Research</i> , 2016, 144, 1-3.	1.2	9
79	Lysosomes: Regulators of autophagy in the retinal pigmented epithelium. <i>Experimental Eye Research</i> , 2016, 144, 46-53.	1.2	76
80	Autophagy in light-induced retinal damage. <i>Experimental Eye Research</i> , 2016, 144, 64-72.	1.2	34
81	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.	7.3	190
82	iFly: The eye of the fruit fly as a model to study autophagy and related trafficking pathways. <i>Experimental Eye Research</i> , 2016, 144, 90-98.	1.2	8
83	Retrograde signaling from autophagy modulates stress responses. <i>Science Signaling</i> , 2017, 10, .	1.6	65
84	Pharmacological modulation of autophagy: therapeutic potential and persisting obstacles. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 487-511.	21.5	642
85	Sigma Receptors: Their Role in Disease and as Therapeutic Targets. <i>Advances in Experimental Medicine and Biology</i> , 2017, , .	0.8	16
86	Peeking into Sigma-1 Receptor Functions Through the Retina. <i>Advances in Experimental Medicine and Biology</i> , 2017, 964, 285-297.	0.8	14
87	LC3-Associated Phagocytosis and Inflammation. <i>Journal of Molecular Biology</i> , 2017, 429, 3561-3576.	2.0	207
88	RUBCN/rubicon and EGFR regulate lysosomal degradative processes in the retinal pigment epithelium (RPE) of the eye. <i>Autophagy</i> , 2017, 13, 2072-2085.	4.3	57
89	The phagocyte respiratory burst: Historical perspectives and recent advances. <i>Immunology Letters</i> , 2017, 192, 88-96.	1.1	126
90	Safely removing cell debris with LC3-associated phagocytosis. <i>Biology of the Cell</i> , 2017, 109, 355-363.	0.7	23
91	ATG-dependent phagocytosis in dendritic cells drives myelin-specific CD4 ⁺ T cell pathogenicity during CNS inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E11228-E11237.	3.3	67

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92	Host Response to Pulmonary Fungal Infections: a Highlight on Cell-Driven Immunity to Cryptococcus Species and Aspergillus fumigatus. Current Pharmacology Reports, 2017, 3, 335-345.	1.5	0
93	Lipopolysaccharide mediates hepatic stellate cell activation by regulating autophagy and retinoic acid signaling. Autophagy, 2017, 13, 1813-1827.	4.3	89
94	Retinal Degeneration In A Mouse Model Of CLN5 Disease Is Associated With Compromised Autophagy. Scientific Reports, 2017, 7, 1597.	1.6	50
95	Atorvastatin Promotes Phagocytosis and Attenuates Pro-Inflammatory Response in Human Retinal Pigment Epithelial Cells. Scientific Reports, 2017, 7, 2329.	1.6	19
96	CB2 receptor activation causes an ERK1/2-dependent inflammatory response in human RPE cells. Scientific Reports, 2017, 7, 16169.	1.6	11
97	Prominin-1 Is a Novel Regulator of Autophagy in the Human Retinal Pigment Epithelium. , 2017, 58, 2366.		44
98	Autophagy and LC3-Associated Phagocytosis Mediate the Innate Immune Response. , 2017, , 303-319.		1
99	The Use of DQ-BSA to Monitor the Turnover of Autophagy-Associated Cargo. Methods in Enzymology, 2017, 587, 43-54.	0.4	53
100	Autophagy Regulates Proteasome Inhibitor-Induced Pigmentation in Human Embryonic Stem Cell-Derived Retinal Pigment Epithelial Cells. International Journal of Molecular Sciences, 2017, 18, 1089.	1.8	10
101	Impaired Autophagy in Retinal Pigment Epithelial Cells Induced from iPS Cells obtained from a Patient with Sialidosis. Cell & Developmental Biology, 2017, 06, .	0.3	4
102	Loss of Pigment Epithelial Cells Is Prevented by Autophagy. , 2017, , 105-117.		1
104	Host cell cytosolic immune response during Plasmodium liver stage development. FEMS Microbiology Reviews, 2018, 42, 324-334.	3.9	44
105	c-Jun-mediated microRNA-302d-3p induces RPE dedifferentiation by targeting p21Waf1/Cip1. Cell Death and Disease, 2018, 9, 451.	2.7	15
106	Retinal organotypic culture – A candidate for research on retinas. Tissue and Cell, 2018, 51, 1-7.	1.0	19
107	Beyond self-eating: The control of nonautophagic functions and signaling pathways by autophagy-related proteins. Journal of Cell Biology, 2018, 217, 813-822.	2.3	92
108	The <sc>WD</sc> 40 domain of <sc>ATG</sc> 16L1 is required for its non-canonical role in lipidation of <sc>LC</sc> 3 at single membranes. EMBO Journal, 2018, 37, .	3.5	187
109	Microtubule-Associated Protein 1 Light Chain 3 (LC3) Isoforms in RPE and Retina. Advances in Experimental Medicine and Biology, 2018, 1074, 609-616.	0.8	18
110	Mechanistical retinal drug targets and challenges. Advanced Drug Delivery Reviews, 2018, 126, 177-184.	6.6	20

#	ARTICLE	IF	CITATIONS
111	Cancer cell cannibalism: Multiple triggers emerge for entosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 831-841.	1.9	49
112	Modeling Retinal Diseases Using Genetic Approaches in Mice. <i>Methods in Molecular Biology</i> , 2018, 1753, 41-59.	0.4	3
113	17 β -estradiol ameliorates oxidative stress and blue light-emitting diode-induced retinal degeneration by decreasing apoptosis and enhancing autophagy. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 2715-2730.	2.0	19
114	LAP it up, fuzz ball: a short history of LC3-associated phagocytosis. <i>Current Opinion in Immunology</i> , 2018, 55, 54-61.	2.4	49
115	Microtubule-Associated Protein 1 Light Chain 3B, (LC3B) Is Necessary to Maintain Lipid-Mediated Homeostasis in the Retinal Pigment Epithelium. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 351.	1.8	34
116	LC3-Associated Phagocytosis in Myeloid Cells Promotes Tumor Immune Tolerance. <i>Cell</i> , 2018, 175, 429-441.e16.	13.5	242
117	Transient acceleration of autophagic degradation by pharmacological Nrf2 activation is important for retinal pigment epithelium cell survival. <i>Redox Biology</i> , 2018, 19, 354-363.	3.9	29
118	Protective Effect of Melatonin against Oxidative Stress-Induced Apoptosis and Enhanced Autophagy in Human Retinal Pigment Epithelium Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	1.9	64
119	Phagocytosed photoreceptor outer segments activate mTORC1 in the retinal pigment epithelium. <i>Science Signaling</i> , 2018, 11, .	1.6	29
120	Mitochondrial quality control in AMD: does mitophagy play a pivotal role?. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2991-3008.	2.4	60
121	Novel insight into circular RNA <i>HECTD1</i> in astrocyte activation via autophagy by targeting <i>MIR142</i> -TIPARP: implications for cerebral ischemic stroke. <i>Autophagy</i> , 2018, 14, 1164-1184.	4.3	276
122	How the phagocyte NADPH oxidase regulates innate immunity. <i>Free Radical Biology and Medicine</i> , 2018, 125, 44-52.	1.3	36
123	Compromised phagosome maturation underlies RPE pathology in cell culture and whole animal models of Smith-Lemli-Opitz Syndrome. <i>Autophagy</i> , 2018, 14, 1796-1817.	4.3	19
124	Sodium Iodate Disrupted the Mitochondrial-Lysosomal Axis in Cultured Retinal Pigment Epithelial Cells. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018, 34, 500-511.	0.6	16
125	Topographic Rod Recovery Profiles after a Prolonged Dark Adaptation in Subjects with Reticular Pseudodrusen. <i>Ophthalmology Retina</i> , 2018, 2, 1206-1217.	1.2	18
126	Subretinal Drusenoid Deposits and the Loss of Rod Function in Intermediate Age-Related Macular Degeneration. , 2018, 59, 4154.		26
127	Regulation of phagolysosomal activity by miR-204 critically influences structure and function of retinal pigment epithelium/retina. <i>Human Molecular Genetics</i> , 2019, 28, 3355-3368.	1.4	18
128	MicroRNA-24 protects retina from degeneration in rats by down-regulating chitinase-3-like protein 1. <i>Experimental Eye Research</i> , 2019, 188, 107791.	1.2	14

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130	Disruptions of Autophagy in the Rat Retina with Age During the Development of Age-Related-Macular-Degeneration-like Retinopathy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4804.	1.8	18
131	Autophagy Dysfunction, Cellular Senescence, and Abnormal Immune-Inflammatory Responses in AMD: From Mechanisms to Therapeutic Potential. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	46
132	Autophagy-Independent Functions of the Autophagy Machinery. <i>Cell</i> , 2019, 177, 1682-1699.	13.5	591
133	Voices from the dead: The complex vocabulary and intricate grammar of dead cells. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 116, 1-90.	1.0	3
134	Oxidative Stress and Dysfunctional Intracellular Traffic Linked to an Unhealthy Diet Results in Impaired Cargo Transport in the Retinal Pigment Epithelium (RPE). <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800951.	1.5	15
135	Macropinocytosis and autophagy crosstalk in nutrient scavenging. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180154.	1.8	29
136	KCNQ1OT1 promotes autophagy by regulating miR-200a/FOXO3/ATG7 pathway in cerebral ischemic stroke. <i>Aging Cell</i> , 2019, 18, e12940.	3.0	100
137	LC3-associated phagocytosis at a glance. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	144
138	A comparative map of macroautophagy and mitophagy in the vertebrate eye. <i>Autophagy</i> , 2019, 15, 1296-1308.	4.3	53
139	Regulation of the innate immune system by autophagy: monocytes, macrophages, dendritic cells and antigen presentation. <i>Cell Death and Differentiation</i> , 2019, 26, 715-727.	5.0	205
140	Regulation of the innate immune system by autophagy: neutrophils, eosinophils, mast cells, NK cells. <i>Cell Death and Differentiation</i> , 2019, 26, 703-714.	5.0	77
141	Genetic LAMP2 deficiency accelerates the age-associated formation of basal laminar deposits in the retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23724-23734.	3.3	54
142	Autophagy mediates phosphatidylserine exposure and phagosome degradation during apoptosis through specific functions of GABARAP/LGG-1 and LC3/LGG-2. <i>Autophagy</i> , 2019, 15, 228-241.	4.3	16
143	CERKL regulates autophagy via the NAD-dependent deacetylase SIRT1. <i>Autophagy</i> , 2019, 15, 453-465.	4.3	50
144	Correlative Light and Electron Microscopy to Analyze LC3 Proteins in <i>Caenorhabditis elegans</i> Embryo. <i>Methods in Molecular Biology</i> , 2019, 1880, 281-293.	0.4	3
145	Biological Functions of Autophagy Genes: A Disease Perspective. <i>Cell</i> , 2019, 176, 11-42.	13.5	1,721
146	A platform for assessing outer segment fate in primary human fetal RPE cultures. <i>Experimental Eye Research</i> , 2019, 178, 212-222.	1.2	7
147	Protective effects of autophagy against blue light-induced retinal degeneration in aged mice. <i>Science China Life Sciences</i> , 2019, 62, 244-256.	2.3	19

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148	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.	3.9	117
149	Autophagy: A Role in the Apoptosis, Survival, Inflammation, and Development of the Retina. <i>Ophthalmic Research</i> , 2019, 61, 65-72.	1.0	41
150	Autophagy: a potential key contributor to the therapeutic action of mesenchymal stem cells. <i>Autophagy</i> , 2020, 16, 28-37.	4.3	96
151	Haploinsufficiency of GCP4 induces autophagy and leads to photoreceptor degeneration due to defective spindle assembly in retina. <i>Cell Death and Differentiation</i> , 2020, 27, 556-572.	5.0	8
152	Progenitor death drives retinal dysplasia and neuronal degeneration in a mouse model of Atrip-Seckel syndrome. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	1.2	5
153	Complement activation, lipid metabolism, and mitochondrial injury: Converging pathways in age-related macular degeneration. <i>Redox Biology</i> , 2020, 37, 101781.	3.9	21
154	Equine lentivirus counteracts SAMHD1 restriction by Rev-mediated degradation of SAMHD1 via the BECN1-dependent lysosomal pathway. <i>Autophagy</i> , 2021, 17, 2800-2817.	4.3	8
155	A Re-Appraisal of Pathogenic Mechanisms Bridging Wet and Dry Age-Related Macular Degeneration Leads to Reconsider a Role for Phytochemicals. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5563.	1.8	5
156	Inter and Intracellular mitochondrial trafficking in health and disease. <i>Ageing Research Reviews</i> , 2020, 62, 101128.	5.0	71
157	MTOR-initiated metabolic switch and degeneration in the retinal pigment epithelium. <i>FASEB Journal</i> , 2020, 34, 12502-12520.	0.2	27
158	FKBP5 Exacerbates Impairments in Cerebral Ischemic Stroke by Inducing Autophagy via the AKT/FOXO3 Pathway. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 193.	1.8	23
159	Protective Effect of Metformin against Hydrogen Peroxide-Induced Oxidative Damage in Human Retinal Pigment Epithelial (RPE) Cells by Enhancing Autophagy through Activation of AMPK Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	32
160	Noncanonical function of an autophagy protein prevents spontaneous Alzheimer's disease. <i>Science Advances</i> , 2020, 6, eabb9036.	4.7	62
161	Autophagy in the control and pathogenesis of parasitic infections. <i>Cell and Bioscience</i> , 2020, 10, 101.	2.1	14
162	Impact of neurotrophic factors combination therapy on retinitis pigmentosa. <i>Journal of International Medical Research</i> , 2020, 48, 030006052096783.	0.4	3
163	Cholesterol Regulation in Age-Related Macular Degeneration: A Framework for Mathematical Modelling of Drusen Biogenesis. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 135.	0.9	4
164	Granulosa cells provide elimination of apoptotic oocytes through unconventional autophagy-assisted phagocytosis. <i>Human Reproduction</i> , 2020, 35, 1346-1362.	0.4	17
165	LC3-Associated Phagocytosis (LAP): A Potentially Influential Mediator of Efferocytosis-Related Tumor Progression and Aggressiveness. <i>Frontiers in Oncology</i> , 2020, 10, 1298.	1.3	25

#	ARTICLE	IF	CITATIONS
166	Transcriptome-Wide Analysis of CXCR5 Deficient Retinal Pigment Epithelial (RPE) Cells Reveals Molecular Signatures of RPE Homeostasis. <i>Biomedicines</i> , 2020, 8, 147.	1.4	11
167	Autophagy promotes mammalian survival by suppressing oxidative stress and p53. <i>Genes and Development</i> , 2020, 34, 688-700.	2.7	61
168	Loss of CLN3, the gene mutated in juvenile neuronal ceroid lipofuscinosis, leads to metabolic impairment and autophagy induction in retinal pigment epithelium. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165883.	1.8	24
169	The cell biology of the retinal pigment epithelium. <i>Progress in Retinal and Eye Research</i> , 2020, 78, 100846.	7.3	199
170	Circular Noncoding RNA NR3C1 Acts as a miR-382-5p Sponge to Protect RPE Functions via Regulating PTEN/AKT/mTOR Signaling Pathway. <i>Molecular Therapy</i> , 2020, 28, 929-945.	3.7	41
171	Investigating AKT activation and autophagy in immunoproteasome-deficient retinal cells. <i>PLoS ONE</i> , 2020, 15, e0231212.	1.1	16
172	Diurnal Rhythmicity of Autophagy Is Impaired in the Diabetic Retina. <i>Cells</i> , 2020, 9, 905.	1.8	33
173	A triterpenoid Nrf2 activator, RS9, promotes LC3-associated phagocytosis of photoreceptor outer segments in a p62-independent manner. <i>Free Radical Biology and Medicine</i> , 2020, 152, 235-247.	1.3	19
174	The clearance of dead cells by efferocytosis. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 398-414.	16.1	395
175	Mouse Models of Inherited Retinal Degeneration with Photoreceptor Cell Loss. <i>Cells</i> , 2020, 9, 931.	1.8	56
176	Mechanisms of mitochondrial dysfunction and their impact on age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2020, 79, 100858.	7.3	239
177	Light-responsive microRNA miR-211 targets Ezrin to modulate lysosomal biogenesis and retinal cell clearance. <i>EMBO Journal</i> , 2020, 39, e102468.	3.5	30
178	Phosphoinositides in Retinal Function and Disease. <i>Cells</i> , 2020, 9, 866.	1.8	20
179	The developmental and physiological roles of phagocytosis in <i>Caenorhabditis elegans</i> . <i>Current Topics in Developmental Biology</i> , 2021, 144, 409-432.	1.0	7
180	The Impact of miRNAs in Health and Disease of Retinal Pigment Epithelium. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 589985.	1.8	11
181	Metabolic aspects of canonical versus noncanonical autophagy. , 2021, , 133-165.		0
183	Knockdown of Claudin-19 in the Retinal Pigment Epithelium Is Accompanied by Slowed Phagocytosis and Increased Expression of SQSTM1. , 2021, 62, 14.		5
184	Guidelines for Regulated Cell Death Assays: A Systematic Summary, A Categorical Comparison, A Prospective. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 634690.	1.8	61

#	ARTICLE	IF	CITATIONS
185	KRT8 (keratin 8) attenuates necrotic cell death by facilitating mitochondrial fission-mediated mitophagy through interaction with PLEC (plectin). <i>Autophagy</i> , 2021, 17, 3939-3956.	4.3	15
186	Rubicon regulates A2E-induced autophagy impairment in the retinal pigment epithelium implicated in the pathology of age-related macular degeneration. <i>Biochemical and Biophysical Research Communications</i> , 2021, 551, 148-154.	1.0	8
187	Assessment of a Small Molecule Synthetic Lignan in Enhancing Oxidative Balance and Decreasing Lipid Accumulation in Human Retinal Pigment Epithelia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5764.	1.8	7
188	Non-canonical autophagy drives alternative ATG8 conjugation to phosphatidylserine. <i>Molecular Cell</i> , 2021, 81, 2031-2040.e8.	4.5	100
190	Autophagy in the retinal pigment epithelium: a new vision and future challenges. <i>FEBS Journal</i> , 2022, 289, 7199-7212.	2.2	25
191	Miro proteins connect mitochondrial function and intercellular transport. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2021, 56, 1-25.	2.3	11
192	CIB2 regulates mTORC1 signaling and is essential for autophagy and visual function. <i>Nature Communications</i> , 2021, 12, 3906.	5.8	28
193	MERTK-Mediated LC3-Associated Phagocytosis (LAP) of Apoptotic Substrates in Blood-Separated Tissues: Retina, Testis, Ovarian Follicles. <i>Cells</i> , 2021, 10, 1443.	1.8	12
194	Reduced Photoreceptor Outer Segment Layer Thickness and Association with Vision in Amblyopic Children and Adolescents with Unilateral High Myopia. <i>Current Eye Research</i> , 2021, , 1-8.	0.7	2
195	The role of lncRNAs in ischemic stroke. <i>Neurochemistry International</i> , 2021, 147, 105019.	1.9	9
196	Formation of Lipofuscin-Like Autofluorescent Granules in the Retinal Pigment Epithelium Requires Lysosome Dysfunction. , 2021, 62, 39.		6
197	Involvement of Oxidative and Endoplasmic Reticulum Stress in RDH12-Related Retinopathies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8863.	1.8	8
198	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	3.5	615
200	Atg8ylation as a general membrane stress and remodeling response. <i>Cell Stress</i> , 2021, 5, 128-142.	1.4	29
201	Macroautophagy and aging: The impact of cellular recycling on health and longevity. <i>Molecular Aspects of Medicine</i> , 2021, 82, 101020.	2.7	30
202	Dying by fire: noncanonical functions of autophagy proteins in neuroinflammation and neurodegeneration. <i>Neural Regeneration Research</i> , 2022, 17, 246.	1.6	14
203	LC3-associated phagocytosis. , 2021, , 69-91.		1
204	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62 Td 4.3 1,430	4.3	1,430

#	ARTICLE	IF	CITATIONS
205	Detection of LC3-associated Phagocytosis (LAP). <i>Current Protocols in Cell Biology</i> , 2020, 87, e104.	2.3	17
206	RPE Phagocytosis. , 2020, , 47-63.		5
207	Autophagy and post-ischemic conditioning in retinal ischemia. <i>Autophagy</i> , 2021, 17, 1479-1499.	4.3	34
211	Group A Streptococcus Induces LAPosomes via SLO/β21 Integrin/NOX2/ROS Pathway in Endothelial Cells That Are Ineffective in Bacterial Killing and Suppress Xenophagy. <i>MBio</i> , 2019, 10, .	1.8	26
212	Dysregulated claudin-5 cycling in the inner retina causes retinal pigment epithelial cell atrophy. <i>JCI Insight</i> , 2019, 4, .	2.3	33
213	β25 Integrin/FAK/PGC-1β Pathway Confers Protective Effects on Retinal Pigment Epithelium. <i>PLoS ONE</i> , 2015, 10, e0134870.	1.1	24
214	Interplay between reactive oxygen species and autophagy in the course of age-related macular degeneration. <i>EXCLI Journal</i> , 2020, 19, 1353-1371.	0.5	7
215	Loss of PGC-1β in RPE induces mesenchymal transition and promotes retinal degeneration. <i>Life Science Alliance</i> , 2019, 2, e201800212.	1.3	31
216	<i>Pseudomonas aeruginosa</i> lectin LecB impairs keratinocyte fitness by abrogating growth factor signalling. <i>Life Science Alliance</i> , 2019, 2, e201900422.	1.3	11
217	Membrane characteristics tune activities of endosomal and autophagic human VPS34 complexes. <i>ELife</i> , 2020, 9, .	2.8	34
218	Phagocytic Activity of Rat Primary Astrocytes Is Regulated by Insulin and Ganglioside GM1. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2021, 57, 1072-1080.	0.2	1
219	Mitochondria dynamics in the aged mice eye and the role in the RPE phagocytosis. <i>Experimental Eye Research</i> , 2021, 213, 108800.	1.2	10
220	New insights into the role of autophagy in retinal and eye diseases. <i>Molecular Aspects of Medicine</i> , 2021, 82, 101038.	2.7	20
221	Measurement of the Absorption Coefficient of Biological Materials Using Integrating Cavity Ring-Down Spectroscopy. , 2014, , .		0
222	Photoreceptor Degeneration: Molecular Mechanisms of Photoreceptor Degeneration. , 2014, , 275-308.		0
225	Autophagy coordinates chondrocyte development and early joint formation in zebrafish. <i>FASEB Journal</i> , 2021, 35, e22002.	0.2	9
226	Retinal Pigment Epithelium in Age-Related Macular Degeneration. , 2020, , 161-171.		0
227	Reticular pseudodrusen: A critical phenotype in age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2022, 88, 101017.	7.3	56

#	ARTICLE	IF	CITATIONS
228	Suppressor of Cytokine Signaling 2 Regulates Retinal Pigment Epithelium Metabolism by Enhancing Autophagy. <i>Frontiers in Neuroscience</i> , 2021, 15, 738022.	1.4	1
230	Interplay of autophagy and apoptosis during murine cytomegalovirus infection of RPE cells. <i>Molecular Vision</i> , 2014, 20, 1161-73.	1.1	13
231	Early AMD-like defects in the RPE and retinal degeneration in aged mice with RPE-specific deletion of or. <i>Molecular Vision</i> , 2017, 23, 228-241.	1.1	33
232	Myelinosome Organelles in the Retina of R6/1 Huntington Disease (HD) Mice: Ubiquitous Distribution and Possible Role in Disease Spreading. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12771.	1.8	4
233	Efferocytosis: An Interface between Apoptosis and Pathophysiology. , 0, , .		0
234	Rubicon in Metabolic Diseases and Ageing. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 816829.	1.8	5
235	Drp1 knockdown represses apoptosis of rat retinal endothelial cells by inhibiting mitophagy. <i>Acta Histochemica</i> , 2022, 124, 151837.	0.9	11
236	Intravitreal gene therapy restores the autophagy-lysosomal pathway and attenuates retinal degeneration in cathepsin D-deficient mice. <i>Neurobiology of Disease</i> , 2022, 164, 105628.	2.1	8
238	Lipid Droplet Accumulation Promotes RPE Dysfunction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1790.	1.8	13
239	<i>Prph2</i> disease mutations lead to structural and functional defects in the RPE. <i>FASEB Journal</i> , 2022, 36, e22284.	0.2	3
240	When the Phagosome Gets Leaky: Pore-Forming Toxin-Induced Non-Canonical Autophagy (PINCA). <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 834321.	1.8	4
241	MicroRNAs and Efferocytosis: Implications for Diagnosis and Therapy. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, .	1.1	1
242	Triglyceride-derived fatty acids reduce autophagy in a model of retinal angiomatous proliferation. <i>JCI Insight</i> , 2022, 7, .	2.3	9
243	An Overview of Autophagy in <i>Helicobacter pylori</i> Infection and Related Gastric Cancer. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 847716.	1.8	8
244	mTOR Inhibition via Rapamycin Treatment Partially Reverts the Deficit in Energy Metabolism Caused by FH Loss in RPE Cells. <i>Antioxidants</i> , 2021, 10, 1944.	2.2	5
245	Chaperonin-Containing TCP1 Subunit 5 Protects Against the Effect of Mer Receptor Tyrosine Kinase Knockdown in Retinal Pigment Epithelial Cells by Interacting With Filamentous Actin and Activating the LIM-Kinase 1/Cofilin Pathway. <i>Frontiers in Medicine</i> , 2022, 9, 861371.	1.2	1
252	Autophagy in age-related macular degeneration. <i>Autophagy</i> , 2023, 19, 388-400.	4.3	56
253	Dawn and dusk peaks of outer segment phagocytosis, and visual cycle function require Rab28. <i>FASEB Journal</i> , 2022, 36, e22309.	0.2	6

#	ARTICLE	IF	CITATIONS
254	V-ATPase is a universal regulator of LC3-associated phagocytosis and non-canonical autophagy. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	53
255	Macroautophagy in CNS health and disease. <i>Nature Reviews Neuroscience</i> , 2022, 23, 411-427.	4.9	44
256	Rubicon promotes the M2 polarization of Kupffer cells via LC3-associated phagocytosis-mediated clearance to improve liver transplantation. <i>Cellular Immunology</i> , 2022, 378, 104556.	1.4	7
257	A guide to membrane atg8ylation and autophagy with reflections on immunity. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	28
258	Vitamin D3 Inhibits Phagocytic Activity of Rat Brain Astrocytes in Primary Culture. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2022, 58, 666-676.	0.2	1
259	Cell culture models to study retinal pigment epithelium-related pathogenesis in age-related macular degeneration. <i>Experimental Eye Research</i> , 2022, 222, 109170.	1.2	27
260	<i>Ambra1</i> haploinsufficiency in CD1 mice results in metabolic alterations and exacerbates age-associated retinal degeneration. <i>Autophagy</i> , 2023, 19, 784-804.	4.3	5
261	Pathological mechanisms and crosstalk among different forms of cell death in systemic lupus erythematosus. <i>Journal of Autoimmunity</i> , 2022, 132, 102890.	3.0	10
262	Sensitivity of the Dorsal-Central Retinal Pigment Epithelium to Sodium Iodate-Induced Damage Is Associated With Overlying M-Cone Photoreceptors in Mice. , 2022, 63, 29.		0
263	The role of UXT in tumors and prospects for its application in hepatocellular carcinoma. <i>Future Oncology</i> , 2022, 18, 3335-3348.	1.1	2
264	Nrf2 Pathway and Autophagy Crosstalk: New Insights into Therapeutic Strategies for Ischemic Cerebral Vascular Diseases. <i>Antioxidants</i> , 2022, 11, 1747.	2.2	8
265	Role of autophagy in the eye: from physiology to disease. <i>Current Opinion in Physiology</i> , 2022, , 100592.	0.9	2
266	NLRP3 Inflammasome Simultaneously Involved in Autophagy and Phagocytosis of THP-1 Cells to Clear Aged Erythrocytes. <i>Journal of Immunology Research</i> , 2022, 2022, 1-24.	0.9	1
267	LC3-associated endocytosis and the functions of Rubicon and ATG16L1. <i>Science Advances</i> , 2022, 8, .	4.7	15
268	Many roads lead to CASM: Diverse stimuli of noncanonical autophagy share a unifying molecular mechanism. <i>Science Advances</i> , 2022, 8, .	4.7	29
270	Targeting Phospholipase D Pharmacologically Prevents Phagocytic Function Loss of Retinal Pigment Epithelium Cells Exposed to High Glucose Levels. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11823.	1.8	0
271	Network biology analysis of P23H rhodopsin interactome identifies protein and mRNA quality control mechanisms. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
273	Canonical and non-canonical roles for ATG8 proteins in autophagy and beyond. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	5

#	ARTICLE	IF	CITATIONS
274	TRIM72 Alleviates Muscle Inflammation in mdx Mice via Promoting Mitophagy-Mediated NLRP3 Inflammasome Inactivation. <i>Oxidative Medicine and Cellular Longevity</i> , 2023, 2023, 1-15.	1.9	3
275	Inflammation of the retinal pigment epithelium drives early-onset photoreceptor degeneration in <i>Mertk</i> -associated retinitis pigmentosa. <i>Science Advances</i> , 2023, 9, .	4.7	5
276	Autophagy in the eye: from physiology to pathophysiology. , 2023, 2, .		2
277	Human intestinal epithelial cells can internalize luminal fungi via LC3-associated phagocytosis. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	1
278	Aging induces cell loss and a decline in phagosome processing in the mouse retinal pigment epithelium. <i>Neurobiology of Aging</i> , 2023, 128, 1-16.	1.5	5
280	Transcriptomic Changes Predict Metabolic Alterations in LC3 Associated Phagocytosis in Aged Mice. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6716.	1.8	0
294	Lysosomes as coordinators of cellular catabolism, metabolic signalling and organ physiology. <i>Nature Reviews Molecular Cell Biology</i> , 2024, 25, 223-245.	16.1	5
300	Retinal Pigmented Epithelium and the Outer Blood-Retinal Barrier. , 2024, , .		0
301	RPE-Phagozytose. , 2024, , 51-69.		0
302	Retinales Pigmentepithel bei altersbedingter Makuladegeneration. , 2024, , 179-190.		0