Viktor I Korolchuk

List of Publications by Year
in descending order

73	18,795	57758 44	91884 69
papers	citations	h-index	g-index

80	80	80	32222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Regulation of Mammalian Autophagy in Physiology and Pathophysiology. Physiological Reviews, 2010, 90, 1383-1435.	28.8	1,557
4	Lysosomal positioning coordinates cellular nutrient responses. Nature Cell Biology, 2011, 13, 453-460.	10.3	726
5	Autophagy Inhibition Compromises Degradation of Ubiquitin-Proteasome Pathway Substrates. Molecular Cell, 2009, 33, 517-527.	9.7	580
6	Mitochondria are required for proâ€ageing features of the senescent phenotype. EMBO Journal, 2016, 35, 724-742.	7.8	527
7	In search of an â€œautophagomometerâ€. Autophagy, 2009, 5, 585-589.	9.1	503
8	Mechanisms of crossâ€talk between the ubiquitinâ€proteasome and autophagyâ€lysosome systems. FEBS Letters, 2010, 584, 1393-1398.	2.8	471
9	Postmitotic neurons develop a p21â€dependent senescenceâ€like phenotype driven by a DNA damage response. Aging Cell, 2012, 11, 996-1004.	6.7	434
10	Lysosome-mediated processing of chromatin in senescence. Journal of Cell Biology, 2013, 202, 129-143.	5.2	413
11	Bst-2/HM1.24 Is a Raft-Associated Apical Membrane Protein with an Unusual Topology. Traffic, 2003, 4, 694-709.	2.7	378
12	Huntington's disease: from pathology and genetics to potential therapies. Biochemical Journal, 2008, 412, 191-209.	3.7	373
13	mTORC1 as the main gateway to autophagy. Essays in Biochemistry, 2017, 61, 565-584.	4.7	371
14	Complex Inhibitory Effects of Nitric Oxide on Autophagy. Molecular Cell, 2011, 43, 19-32.	9.7	340
15	Mitochondria in Cell Senescence: Is Mitophagy the Weakest Link?. EBioMedicine, 2017, 21, 7-13.	6.1	260
16	Impaired Autophagy in the Lipid-Storage Disorder Niemann-Pick Type C1 Disease. Cell Reports, 2013, 5, 1302-1315.	6.4	232
17	PI(5)P Regulates Autophagosome Biogenesis. Molecular Cell, 2015, 57, 219-234.	9.7	230
18	Autophagy, lipophagy and lysosomal lipid storage disorders. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 269-284.	2.4	189

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19	Clathrin-mediated endocytosis of a lipid-raft-associated protein is mediated through a dual tyrosine motif. Journal of Cell Science, 2007, 120, 3850-3858.	2.0	186
20	Laforin, the most common protein mutated in Lafora disease, regulates autophagy. Human Molecular Genetics, 2010, 19, 2867-2876.	2.9	170
21	Mammalian macroautophagy at a glance. Journal of Cell Science, 2009, 122, 1707-1711.	2.0	163
22	Control of TSC2-Rheb signaling axis by arginine regulates mTORC1 activity. ELife, 2016, 5, .	6.0	147
23	Antioxidants can inhibit basal autophagy and enhance neurodegeneration in models of polyglutamine disease. Human Molecular Genetics, 2010, 19, 3413-3429.	2.9	135
24	Oxidation of SQSTM1/p62 mediates the link between redox state and protein homeostasis. Nature Communications, 2018, 9, 256.	12.8	132
25	A CD317/tetherinâ€“RICH2 complex plays a critical role in the organization of the subapical actin cytoskeleton in polarized epithelial cells. Journal of Cell Biology, 2009, 184, 721-736.	5.2	129
26	mTORC1 and Nutrient Homeostasis: The Central Role of the Lysosome. International Journal of Molecular Sciences, 2018, 19, 818.	4.1	124
27	Dynamic Modelling of Pathways to Cellular Senescence Reveals Strategies for Targeted Interventions. PLoS Computational Biology, 2014, 10, e1003728.	3.2	121
28	Hippocalcin Functions as a Calcium Sensor in Hippocampal LTD. Neuron, 2005, 47, 487-494.	8.1	120
29	SQSTM1/p62 mediates crosstalk between autophagy and the UPS in DNA repair. Autophagy, 2016, 12, 1917-1930.	9.1	120
30	A novel link between autophagy and the ubiquitin-proteasome system. Autophagy, 2009, 5, 862-863.	9.1	118
31	Eps15 and Dap160 control synaptic vesicle membrane retrieval and synapse development. Journal of Cell Biology, 2007, 178, 309-322.	5.2	117
32	Repair, Reuse, Recycle: The Expanding Role of Autophagy in Genome Maintenance. Trends in Cell Biology, 2017, 27, 340-351.	7.9	116
33	Persistent mTORC1 signaling in cell senescence results from defects in amino acid and growth factor sensing. Journal of Cell Biology, 2017, 216, 1949-1957.	5.2	106
34	Regulation of autophagy by lysosomal positioning. Autophagy, 2011, 7, 927-928.	9.1	105
35	Mitochondrial quality control as a key determinant of cell survival. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 575-587.	4.1	97
36	CK2 and GAK/auxilin2 Are Major Protein Kinases in Clathrin-Coated Vesicles. Traffic, 2002, 3, 428-439.	2.7	86

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37	DrosophilaVps35 function is necessary for normal endocytic trafficking and actin cytoskeleton organisation. Journal of Cell Science, 2007, 120, 4367-4376.	2.0	86
38	Amino acids and autophagy: cross-talk and co-operation to control cellular homeostasis. Amino Acids, 2015, 47, 2065-2088.	2.7	80
39	Oxidative Stress by Monoamine Oxidase-A Impairs Transcription Factor EB Activation and Autophagosome Clearance, Leading to Cardiomyocyte Necrosis and Heart Failure. Antioxidants and Redox Signaling, 2016, 25, 10-27.	5.4	76
40	Methodological considerations for assessing autophagy modulators: A study with calcium phosphate precipitates. Autophagy, 2009, 5, 307-313.	9.1	67
41	G3BPs tether the TSC complex to lysosomes and suppress mTORC1 signaling. Cell, 2021, 184, 655-674.e27.	28.9	65
42	Rapamycin improves healthspan but not inflammaging in nfl^b1^{â^'/â^'} mice. Aging Cell, 2019, 18, e12882.	6.7	59
43	An Induced Pluripotent Stem Cell Patient Specific Model of Complement Factor H (Y402H) Polymorphism Displays Characteristic Features of Age-Related Macular Degeneration and Indicates a Beneficial Role for UV Light Exposure. Stem Cells, 2017, 35, 2305-2320.	3.2	58
44	Dual Proteolytic Pathways Govern Glycolysis and Immune Competence. Cell, 2014, 159, 1578-1590.	28.9	54
45	Autophagy and ageing: implications for age-related neurodegenerative diseases. Essays in Biochemistry, 2013, 55, 119-131.	4.7	45
46	mTORC1 activity is supported by spatial association with focal adhesions. Journal of Cell Biology, 2021, 220, .	5.2	41
47	Complement modulation reverses pathology in Y402H-retinal pigment epithelium cell model of age-related macular degeneration by restoring lysosomal function. Stem Cells Translational Medicine, 2020, 9, 1585-1603.	3.3	36
48	Nutrient sensing, growth and senescence. FEBS Journal, 2018, 285, 1948-1958.	4.7	34
49	Severe white matter astrocytopathy in <scp>CADASIL</scp>. Brain Pathology, 2018, 28, 832-843.	4.1	34
50	PEG-lipid micelles enable cholesterol efflux in Niemann-Pick Type C1 disease-based lysosomal storage disorder. Scientific Reports, 2016, 6, 31750.	3.3	33
51	Increased telomerase improves motor function and alpha-synuclein pathology in a transgenic mouse model of Parkinsonâ€™s disease associated with enhanced autophagy. Progress in Neurobiology, 2021, 199, 101953.	5.7	33
52	Impaired autophagy in Lafora disease. Autophagy, 2010, 6, 991-993.	9.1	30
53	Selenomethionine Alleviates AFB1-Induced Damage in Primary Chicken Hepatocytes by Inhibiting CYP450 1A5 Expression via Upregulated SelW Expression. Journal of Agricultural and Food Chemistry, 2017, 65, 2495-2502.	5.2	27
54	The crosstalk of NAD, ROS and autophagy in cellular health and ageing. Biogerontology, 2020, 21, 381-397.	3.9	27

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55	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice. ELife, 2022, 11, .	6.0	27
56	The mTORC1-autophagy pathway is a target for senescent cell elimination. Biogerontology, 2019, 20, 331-335.	3.9	24
57	Transcriptional block of AMPK-induced autophagy promotes glutamate excitotoxicity in nutrient-deprived SH-SY5Y neuroblastoma cells. Cellular and Molecular Life Sciences, 2020, 77, 3383-3399.	5.4	20
58	A Mammalian Target of Rapamycinâ€Perilipin 3 (mTORC1â€Plin3) Pathway is essential to Activate Lipophagy and Protects Against Hepatosteatosis. Hepatology, 2021, 74, 3441-3459.	7.3	20
59	A Phagocytic Route for Uptake of Double-Stranded RNA in RNAi. PLoS ONE, 2011, 6, e19087.	2.5	20
60	The pROS of Autophagy in Neuronal Health. Journal of Molecular Biology, 2020, 432, 2546-2559.	4.2	19
61	Restarting stalled autophagy a potential therapeutic approach for the lipid storage disorder, Niemann-Pick type C1 disease. Autophagy, 2014, 10, 1137-1140.	9.1	18
62	Activation of autophagy reverses progressive and deleterious protein aggregation in PRPF31 patientâ€induced pluripotent stem cellâ€derived retinal pigment epithelium cells. Clinical and Translational Medicine, 2022, 12, e759.	4.0	12
63	Regulation of CK2 Activity by Phosphatidylinositol Phosphates. Journal of Biological Chemistry, 2005, 280, 40796-40801.	3.4	11
64	Oxidation of p62 as an evolutionary adaptation to promote autophagy in stress conditions. Cell Stress, 2018, 2, 91-93.	3.2	9
65	Autophagy: â€˜Self-Eatingâ€™ Your Way to Longevity. Sub-Cellular Biochemistry, 2018, 90, 25-47.	2.4	8
66	Dysregulation of mTORC1/autophagy axis in senescence. Aging, 2017, 9, 1851-1852.	3.1	7
67	Identification of novel Atg3-Atg8 inhibitors using virtual screening for autophagy modulation. Bioorganic Chemistry, 2021, 114, 105092.	4.1	5
68	Signalling mechanisms in autophagy: an introduction to the issue. Essays in Biochemistry, 2017, 61, 561-563.	4.7	3
69	Autophagy in Neurodegenerative Diseases. Journal of Molecular Biology, 2020, 432, 2445-2448.	4.2	2
70	Mitochondrial Degradation, Autophagy and Neurodegenerative Disease. , 2016, , 255-278.		1
71	Mechanisms of Cross-Talk between Intracellular Protein Degradation Pathways. , 2015, , 103-119.		0
72	Redox signalling in physiology, ageing and disease. Biogerontology, 2020, 21, 411-414.	3.9	0

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73	The role of lysosomes in autophagy. , 2022, , 57-70.		0