

# Shigeomi Shimizu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6432779/publications.pdf>

Version: 2024-02-01

50  
papers

15,353  
citations

218677

26  
h-index

206112

48  
g-index

54  
all docs

54  
docs citations

54  
times ranked

26917  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Bcl-2 family proteins regulate the release of apoptogenic cytochrome c by the mitochondrial channel VDAC. <i>Nature</i> , 1999, 399, 483-487.	27.8	2,018
4	Cyclophilin D-dependent mitochondrial permeability transition regulates some necrotic but not apoptotic cell death. <i>Nature</i> , 2005, 434, 652-658.	27.8	1,464
5	Role of Bcl-2 family proteins in a non-apoptotic programmed cell death dependent on autophagy genes. <i>Nature Cell Biology</i> , 2004, 6, 1221-1228.	10.3	1,277
6	Discovery of Atg5/Atg7-independent alternative macroautophagy. <i>Nature</i> , 2009, 461, 654-658.	27.8	949
7	Autophagic Cell Death and Cancer. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3145-3153.	4.1	173
8	Ulk1-mediated Atg5-independent macroautophagy mediates elimination of mitochondria from embryonic reticulocytes. <i>Nature Communications</i> , 2014, 5, 4004.	12.8	171
9	Association Between Autophagy and Neurodegenerative Diseases. <i>Frontiers in Neuroscience</i> , 2018, 12, 255.	2.8	146
10	Molecular mechanisms and physiological roles of Atg5/Atg7-independent alternative autophagy. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2017, 93, 378-385.	3.8	116
11	Direct Thioamination of Arynes via Reaction with Sulfilimines and Migratory <i>N</i> -Arylation. <i>Journal of the American Chemical Society</i> , 2015, 137, 14071-14074.	13.7	112
12	Live Cell Imaging of Mitochondrial Autophagy with a Novel Fluorescent Small Molecule. <i>ACS Chemical Biology</i> , 2017, 12, 2546-2551.	3.4	87
13	Role of Atg5-dependent cell death in the embryonic development of Bax/Bak double-knockout mice. <i>Cell Death and Differentiation</i> , 2017, 24, 1598-1608.	11.2	79
14	Golgi membrane-associated degradation pathway in yeast and mammals. <i>EMBO Journal</i> , 2016, 35, 1991-2007.	7.8	78
15	Identification of PPM1D as an essential Ulk1 phosphatase for genotoxic stress-induced autophagy. <i>EMBO Reports</i> , 2016, 17, 1552-1564.	4.5	77
16	HMGB1 facilitates repair of mitochondrial DNA damage and extends the lifespan of mutant ataxin-1 knock-in mice. <i>EMBO Molecular Medicine</i> , 2015, 7, 78-101.	6.9	66
17	Small fluorescent molecules for monitoring autophagic flux. <i>FEBS Letters</i> , 2018, 592, 559-567.	2.8	64
18	Mitochondrial damage elicits a TCDD-inducible poly(ADP-ribose) polymerase-mediated antiviral response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2681-2686.	7.1	52

#	ARTICLE	IF	CITATIONS
19	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. <i>Science Signaling</i> , 2018, 11, .	3.6	51
20	Identification of a phosphorylation site on Ulk1 required for genotoxic stress-induced alternative autophagy. <i>Nature Communications</i> , 2020, 11, 1754.	12.8	46
21	Biological Roles of Alternative Autophagy. <i>Molecules and Cells</i> , 2018, 41, 50-54.	2.6	35
22	Autophagy controls centrosome number by degrading Cep63. <i>Nature Communications</i> , 2016, 7, 13508.	12.8	34
23	In Situ Characterization of Bak Clusters Responsible for Cell Death Using Single Molecule Localization Microscopy. <i>Scientific Reports</i> , 2016, 6, 27505.	3.3	33
24	Dram1 regulates DNA damage-induced alternative autophagy. <i>Cell Stress</i> , 2018, 2, 55-65.	3.2	33
25	Wipi3 is essential for alternative autophagy and its loss causes neurodegeneration. <i>Nature Communications</i> , 2020, 11, 5311.	12.8	30
26	Autophagy takes an alternative pathway. <i>Autophagy</i> , 2010, 6, 290-291.	9.1	29
27	Hyperoxidation of ether-linked phospholipids accelerates neutrophil extracellular trap formation. <i>Scientific Reports</i> , 2017, 7, 16026.	3.3	29
28	ER-resident sensor PERK is essential for mitochondrial thermogenesis in brown adipose tissue. <i>Life Science Alliance</i> , 2020, 3, e201900576.	2.8	27
29	Alternative macroautophagy and mitophagy. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 64-66.	2.8	23
30	Identification of a novel compound that inhibits both mitochondria-mediated necrosis and apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 1006-1011.	2.1	22
31	<i>Sanguisorba officinalis</i> L. derived from herbal medicine prevents intestinal inflammation by inducing autophagy in macrophages. <i>Scientific Reports</i> , 2020, 10, 9972.	3.3	22
32	Homeostatic p62 levels and inclusion body formation in CHCHD2 knockout mice. <i>Human Molecular Genetics</i> , 2021, 30, 443-453.	2.9	21
33	Beclin 1 regulates recycling endosome and is required for skin development in mice. <i>Communications Biology</i> , 2019, 2, 37.	4.4	20
34	Autophagy suppresses cell migration by degrading GEF-H1, a RhoA GEF. <i>Oncotarget</i> , 2016, 7, 34420-34429.	1.8	20
35	Oxidized Phospholipids and Neutrophil Elastase Coordinately Play Critical Roles in NET Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 718586.	3.7	18
36	Association Between Atg5-independent Alternative Autophagy and Neurodegenerative Diseases. <i>Journal of Molecular Biology</i> , 2020, 432, 2622-2632.	4.2	17

#	ARTICLE	IF	CITATIONS
37	Inhibition of Epithelial Cell Death by Bcl-2 Improved Chronic Colitis in IL-10 KO Mice. American Journal of Pathology, 2013, 183, 1936-1944.	3.8	16
38	Organelle zones in mitochondria. Journal of Biochemistry, 2019, 165, 101-107.	1.7	15
39	Neurodegeneration in mnd2 mutant mice is not prevented by parkin transgene. Biochemical and Biophysical Research Communications, 2010, 402, 676-679.	2.1	9
40	Autophagy involvement in oncogenesis. Cancer Science, 2020, 111, 3993-3999.	3.9	8
41	Mitochondrial E3 Ubiquitin Ligase Parkin: Relationships with Other Causal Proteins in Familial Parkinson's Disease and Its Substrate-Involved Mouse Experimental Models. International Journal of Molecular Sciences, 2020, 21, 1202.	4.1	8
42	Molecular mechanisms and biological roles of GOMED. FEBS Journal, 2022, 289, 7213-7220.	4.7	8
43	Involvement of phosphorylation of ULK1 in alternative autophagy. Autophagy, 2020, 16, 1532-1533.	9.1	6
44	Nickel particles are present in Crohn's disease tissue and exacerbate intestinal inflammation in IBD susceptible mice. Biochemical and Biophysical Research Communications, 2022, 592, 74-80.	2.1	6
45	Autophagy controls centrosome number. Oncotarget, 2017, 8, 14277-14278.	1.8	5
46	Global Liver Gene Expression Analysis on a Murine Metabolic Syndrome Model Treated by Low-molecular-weight Lychee Fruit Polyphenol (Oligonol®). Anticancer Research, 2016, 36, 3705-13.	1.1	5
47	Cyclophilin D-dependent mitochondrial permeability transition is not involved in neurodegeneration in mnd2 mutant mice. Biochemical and Biophysical Research Communications, 2010, 393, 264-267.	2.1	4
48	Monitoring of Atg5-Independent Mitophagy. Methods in Molecular Biology, 2017, 1759, 125-132.	0.9	1
49	Prediction of intracellular targets of a small compound by analyzing peptides presented on MHC class I. Biochemical and Biophysical Research Communications, 2019, 508, 480-486.	2.1	0
50	mRNA deadenylation-guided control of Atg7-dependent cell death and heart function to maintain cardiac homeostasis. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-2-63.	0.0	0