

Satoko Arakawa

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

5,534
citations

236925

25
h-index

315739

38
g-index

41
all docs

41
docs citations

41
times ranked

10464
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Discovery of Atg5/Atg7-independent alternative macroautophagy. <i>Nature</i> , 2009, 461, 654-658.	27.8	949
3	Autophagy mediates the mitotic senescence transition. <i>Genes and Development</i> , 2009, 23, 798-803.	5.9	883
4	Spatial Coupling of mTOR and Autophagy Augments Secretory Phenotypes. <i>Science</i> , 2011, 332, 966-970.	12.6	469
5	Hypertrophy and Unconventional Cell Division of Hepatocytes Underlie Liver Regeneration. <i>Current Biology</i> , 2012, 22, 1166-1175.	3.9	367
6	Autophagic Cell Death and Cancer. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3145-3153.	4.1	173
7	Ulk1-mediated Atg5-independent macroautophagy mediates elimination of mitochondria from embryonic reticulocytes. <i>Nature Communications</i> , 2014, 5, 4004.	12.8	171
8	VPS9a, the Common Activator for Two Distinct Types of Rab5 GTPases, Is Essential for the Development of <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2007, 19, 3504-3515.	6.6	119
9	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
10	Shigella Targets Epithelial Tricellular Junctions and Uses a Noncanonical Clathrin-Dependent Endocytic Pathway to Spread Between Cells. <i>Cell Host and Microbe</i> , 2012, 11, 325-336.	11.0	90
11	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
12	Golgi membrane-associated degradation pathway in yeast and mammals. <i>EMBO Journal</i> , 2016, 35, 1991-2007.	7.8	78
13	Identification of PPM1D as an essential Ulk1 phosphatase for genotoxic stress-induced autophagy. <i>EMBO Reports</i> , 2016, 17, 1552-1564.	4.5	77
14	Stress-Activated Protein Kinase MKK7 Regulates Axon Elongation in the Developing Cerebral Cortex. <i>Journal of Neuroscience</i> , 2011, 31, 16872-16883.	3.6	64
15	xCT deficiency accelerates chemically induced tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6436-6441.	7.1	52
16	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. <i>Science Signaling</i> , 2018, 11, .	3.6	51
17	Identification of a phosphorylation site on Ulk1 required for genotoxic stress-induced alternative autophagy. <i>Nature Communications</i> , 2020, 11, 1754.	12.8	46
18	Transformation of an antimicrobial peptide into a plasma membrane-permeable, mitochondria-targeted peptide via the substitution of lysine with arginine. <i>Chemical Communications</i> , 2012, 48, 11097.	4.1	45

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19	Autophagy controls centrosome number by degrading Cep63. <i>Nature Communications</i> , 2016, 7, 13508.	12.8	34
20	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
21	Dram1 regulates DNA damage-induced alternative autophagy. <i>Cell Stress</i> , 2018, 2, 55-65.	3.2	33
22	Serine/Threonine Protein Kinase SpkA in <i>Synechocystis</i> sp. Strain PCC 6803 Is a Regulator of Expression of Three Putative pilA Operons, Formation of Thick Pili, and Cell Motility. <i>Journal of Bacteriology</i> , 2006, 188, 7696-7699.	2.2	31
23	Involvement of Beclin 1 in Engulfment of Apoptotic Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 13919-13929.	3.4	31
24	Wipi3 is essential for alternative autophagy and its loss causes neurodegeneration. <i>Nature Communications</i> , 2020, 11, 5311.	12.8	30
25	Autophagy takes an alternative pathway. <i>Autophagy</i> , 2010, 6, 290-291.	9.1	29
26	Hyperoxidation of ether-linked phospholipids accelerates neutrophil extracellular trap formation. <i>Scientific Reports</i> , 2017, 7, 16026.	3.3	29
27	ER-resident sensor PERK is essential for mitochondrial thermogenesis in brown adipose tissue. <i>Life Science Alliance</i> , 2020, 3, e201900576.	2.8	27
28	Alternative macroautophagy and mitophagy. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 64-66.	2.8	23
29	Preparation of connexin43-integrated giant Liposomes by a baculovirus expression liposome fusion method. <i>Biotechnology and Bioengineering</i> , 2010, 107, 836-843.	3.3	22
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	Homeostatic p62 levels and inclusion body formation in CHCHD2 knockout mice. <i>Human Molecular Genetics</i> , 2021, 30, 443-453.	2.9	21
32	Association Between Atg5-independent Alternative Autophagy and Neurodegenerative Diseases. <i>Journal of Molecular Biology</i> , 2020, 432, 2622-2632.	4.2	17
33	Inhibition of Epithelial Cell Death by Bcl-2 Improved Chronic Colitis in IL-10 KO Mice. <i>American Journal of Pathology</i> , 2013, 183, 1936-1944.	3.8	16
34	Nickel particles are present in Crohn's disease tissue and exacerbate intestinal inflammation in IBD susceptible mice. <i>Biochemical and Biophysical Research Communications</i> , 2022, 592, 74-80.	2.1	6
35	The ceramide analogue N-(1-hydroxy-3-morpholino-1-phenylpropan-2-yl)decanamide induces large lipid droplet accumulation and highlights the effect of LAMP-2 deficiency on lipid droplet degradation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126891.	2.2	5
36	Ultrastructure of the foliose lichen <i>Myelochroa leucotyliza</i> and its solo fungal and algal (<i>Trebouxia</i>) Tj ETQq0 0 0 rgBTJ/Overlock 10 Tf 50	4.6	4

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37	Monitoring of Atg5-Independent Mitophagy. <i>Methods in Molecular Biology</i> , 2017, 1759, 125-132.	0.9	1
38	Analysis of locomotor control using transgenic mice having controllable D1R expression. <i>Neuroscience Research</i> , 2009, 65, S77-S78.	1.9	0
39	Mammalian Autophagy Can Occur Through an Atg5/Atg7-Independent Pathway. , 2014, , 49-58.		0
40	Prediction of intracellular targets of a small compound by analyzing peptides presented on MHC class I. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 480-486.	2.1	0