

Seung-Hyun Ro

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

4,973
citations

361045

20
h-index

580395

25
g-index

29
all docs

29
docs citations

29
times ranked

10120
citing authors

#	ARTICLE	IF	CITATIONS
1	mTOR regulation of autophagy. FEBS Letters, 2010, 584, 1287-1295.	1.3	1,790
2	ULK-Atg13-FIP200 Complexes Mediate mTOR Signaling to the Autophagy Machinery. Molecular Biology of the Cell, 2009, 20, 1992-2003.	0.9	1,725
3	Mutation in ATG5 reduces autophagy and leads to ataxia with developmental delay. ELife, 2016, 5, .	2.8	161
4	Pharmacological correction of obesity-induced autophagy arrest using calcium channel blockers. Nature Communications, 2014, 5, 4834.	5.8	151
5	Hepatoprotective role of Sestrin2 against chronic ER stress. Nature Communications, 2014, 5, 4233.	5.8	148
6	Sestrin2 inhibits mTORC1 through modulation of GATOR complexes. Scientific Reports, 2015, 5, 9502.	1.6	137
7	Janus-faced Sestrin2 controls ROS and mTOR signalling through two separate functional domains. Nature Communications, 2015, 6, 10025.	5.8	122
8	Sestrin2 promotes Unc-51-like kinase 1 mediated phosphorylation of p62/sequestosome1. FEBS Journal, 2014, 281, 3816-3827.	2.2	93
9	Distinct functions of <i>Ulk1</i> and <i>Ulk2</i> in the regulation of lipid metabolism in adipocytes. Autophagy, 2013, 9, 2103-2114.	4.3	76
10	Sestrin2 inhibits uncoupling protein 1 expression through suppressing reactive oxygen species. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7849-7854.	3.3	75
11	Tumor suppressive role of sestrin2 during colitis and colon carcinogenesis. ELife, 2016, 5, e12204.	2.8	74
12	Sestrins are evolutionarily conserved mediators of exercise benefits. Nature Communications, 2020, 11, 190.	5.8	71
13	<i>Drosophila</i> Fip200 is an essential regulator of autophagy that attenuates both growth and aging. Autophagy, 2013, 9, 1201-1213.	4.3	50
14	<i>Drosophila</i> Gyf/GRB10 interacting GYF protein is an autophagy regulator that controls neuron and muscle homeostasis. Autophagy, 2015, 11, 1358-1372.	4.3	41
15	Autophagy in Adipocyte Browning: Emerging Drug Target for Intervention in Obesity. Frontiers in Physiology, 2019, 10, 22.	1.3	38
16	Therapeutic potential of garlic chive-derived vesicle-like nanoparticles in NLRP3 inflammasome-mediated inflammatory diseases. Theranostics, 2021, 11, 9311-9330.	4.6	38
17	Quantitative Nuclear Proteomics Identifies mTOR Regulation of DNA Damage Response. Molecular and Cellular Proteomics, 2010, 9, 403-414.	2.5	37
18	Maternal n-3 PUFA supplementation promotes fetal brown adipose tissue development through epigenetic modifications in C57BL/6 mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1488-1497.	1.2	31

#	ARTICLE	IF	CITATIONS
19	FoxOs in neural stem cell fate decision. Archives of Biochemistry and Biophysics, 2013, 534, 55-63.	1.4	29
20	Arsenite exposure suppresses adipogenesis, mitochondrial biogenesis and thermogenesis via autophagy inhibition in brown adipose tissue. Scientific Reports, 2019, 9, 14464.	1.6	24
21	Sestrin2, a Regulator of Thermogenesis and Mitohormesis in Brown Adipose Tissue. Frontiers in Endocrinology, 2015, 6, 114.	1.5	21
22	SESTRINs: Emerging Dynamic Stress-Sensors in Metabolic and Environmental Health. Frontiers in Cell and Developmental Biology, 2020, 8, 603421.	1.8	15
23	Sestrin2 Phosphorylation by ULK1 Induces Autophagic Degradation of Mitochondria Damaged by Copper-Induced Oxidative Stress. International Journal of Molecular Sciences, 2020, 21, 6130.	1.8	12
24	Arsenic Toxicity on Metabolism and Autophagy in Adipose and Muscle Tissues. Antioxidants, 2022, 11, 689.	2.2	7
25	Abstract LB-035: Tumor suppressive role of sestrin2 during colitis and colon carcinogenesis. , 2017, , .		0
26	Brown adipose tissue metabolism in arsenic environmental health and obesity. FASEB Journal, 2019, 33, lb271.	0.2	0