

# Seung-Hyun Ro

## List of Publications by Year in descending order

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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	Arsenic Toxicity on Metabolism and Autophagy in Adipose and Muscle Tissues. <i>Antioxidants</i> , 2022, 11, 689.	2.2	7
2	Therapeutic potential of garlic chive-derived vesicle-like nanoparticles in NLRP3 inflammasome-mediated inflammatory diseases. <i>Theranostics</i> , 2021, 11, 9311-9330.	4.6	38
3	Sestrin2 Phosphorylation by ULK1 Induces Autophagic Degradation of Mitochondria Damaged by Copper-Induced Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6130.	1.8	12
4	SESTRINs: Emerging Dynamic Stress-Sensors in Metabolic and Environmental Health. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 603421.	1.8	15
5	Sestrins are evolutionarily conserved mediators of exercise benefits. <i>Nature Communications</i> , 2020, 11, 190.	5.8	71
6	Arsenite exposure suppresses adipogenesis, mitochondrial biogenesis and thermogenesis via autophagy inhibition in brown adipose tissue. <i>Scientific Reports</i> , 2019, 9, 14464.	1.6	24
7	Autophagy in Adipocyte Browning: Emerging Drug Target for Intervention in Obesity. <i>Frontiers in Physiology</i> , 2019, 10, 22.	1.3	38
8	Brown adipose tissue metabolism in arsenic environmental health and obesity. <i>FASEB Journal</i> , 2019, 33, lb271.	0.2	0
9	Maternal n-3 PUFA supplementation promotes fetal brown adipose tissue development through epigenetic modifications in C57BL/6 mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1488-1497.	1.2	31
10	Abstract LB-035: Tumor suppressive role of sestrin2 during colitis and colon carcinogenesis. , 2017, , .		0
11	Tumor suppressive role of sestrin2 during colitis and colon carcinogenesis. <i>ELife</i> , 2016, 5, e12204.	2.8	74
12	Mutation in ATG5 reduces autophagy and leads to ataxia with developmental delay. <i>ELife</i> , 2016, 5, .	2.8	161
13	Sestrin2, a Regulator of Thermogenesis and Mitohormesis in Brown Adipose Tissue. <i>Frontiers in Endocrinology</i> , 2015, 6, 114.	1.5	21
14	Sestrin2 inhibits mTORC1 through modulation of GATOR complexes. <i>Scientific Reports</i> , 2015, 5, 9502.	1.6	137
15	<i>Drosophila</i> Cyf/GRB10 interacting GYF protein is an autophagy regulator that controls neuron and muscle homeostasis. <i>Autophagy</i> , 2015, 11, 1358-1372.	4.3	41
16	Janus-faced Sestrin2 controls ROS and mTOR signalling through two separate functional domains. <i>Nature Communications</i> , 2015, 6, 10025.	5.8	122
17	Hepatoprotective role of Sestrin2 against chronic ER stress. <i>Nature Communications</i> , 2014, 5, 4233.	5.8	148
18	Sestrin2 promotes Unc-51-like kinase 1 mediated phosphorylation of p62/sequestosome1. <i>FEBS Journal</i> , 2014, 281, 3816-3827.	2.2	93

#	ARTICLE	IF	CITATIONS
19	Pharmacological correction of obesity-induced autophagy arrest using calcium channel blockers. <i>Nature Communications</i> , 2014, 5, 4834.	5.8	151
20	Sestrin2 inhibits uncoupling protein 1 expression through suppressing reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7849-7854.	3.3	75
21	FoxOs in neural stem cell fate decision. <i>Archives of Biochemistry and Biophysics</i> , 2013, 534, 55-63.	1.4	29
22	Distinct functions of <i>Ulk1</i> and <i>Ulk2</i> in the regulation of lipid metabolism in adipocytes. <i>Autophagy</i> , 2013, 9, 2103-2114.	4.3	76
23	<i>Drosophila</i> Fip200 is an essential regulator of autophagy that attenuates both growth and aging. <i>Autophagy</i> , 2013, 9, 1201-1213.	4.3	50
24	mTOR regulation of autophagy. <i>FEBS Letters</i> , 2010, 584, 1287-1295.	1.3	1,790
25	Quantitative Nuclear Proteomics Identifies mTOR Regulation of DNA Damage Response. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 403-414.	2.5	37
26	ULK-Atg13-FIP200 Complexes Mediate mTOR Signaling to the Autophagy Machinery. <i>Molecular Biology of the Cell</i> , 2009, 20, 1992-2003.	0.9	1,725