Sovan Sarkar

List of Publications by Year
in descending order

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63	20,086	66343	118850
papers	citations	42 h-index	62 g-index

66	66	66	31851
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of Mitochondrial Dysfunction by Microplate Reader in hiPSC-Derived Neuronal Cell Models of Neurodegenerative Disorders. Methods in Molecular Biology, 2022, , 1-21.	0.9	2
2	Trehalose limits opportunistic mycobacterial survival during HIV co-infection by reversing HIV-mediated autophagy block. Autophagy, 2021, 17, 476-495.	9.1	39
3	Oxygen Consumption Evaluation: An Important Indicator of Metabolic State, , and Cell Fate Along. Methods in Molecular Biology, 2021, 2240, 207-230.	0.9	2
4	Autophagy Dysfunction as a Phenotypic Readout in hiPSC-Derived Neuronal Cell Models of Neurodegenerative Diseases. Methods in Molecular Biology, 2021, , 103-136.	0.9	4
5	Editorial: Autophagy: From Big Data to Physiological Significance. Frontiers in Cell and Developmental Biology, 2020, 7, 376.	3.7	1
6	Autophagy modulator scoring system: a user-friendly tool for quantitative analysis of methodological integrity of chemical autophagy modulator studies. Autophagy, 2020, 16, 195-202.	9.1	14
7	Human Induced Pluripotent Stem Cell Models of Neurodegenerative Disorders for Studying the Biomedical Implications of Autophagy. Journal of Molecular Biology, 2020, 432, 2754-2798.	4.2	15
8	Autophagy in Neurodegenerative Diseases. Journal of Molecular Biology, 2020, 432, 2445-2448.	4.2	2
9	Autophagy in Rare (NonLysosomal) Neurodegenerative Diseases. Journal of Molecular Biology, 2020, 432, 2735-2753.	4.2	23
10	Biomedical Implications of Autophagy in Macromolecule Storage Disorders. Frontiers in Cell and Developmental Biology, 2019, 7, 179.	3.7	22
11	Chemical Screening Approaches Enabling Drug Discovery of Autophagy Modulators for Biomedical Applications in Human Diseases. Frontiers in Cell and Developmental Biology, 2019, 7, 38.	3.7	37
12	In Vitro Screening Platforms for Identifying Autophagy Modulators in Mammalian Cells. Methods in Molecular Biology, 2019, 1880, 389-428.	0.9	14
13	Selective Autophagy and Xenophagy in Infection and Disease. Frontiers in Cell and Developmental Biology, 2018, 6, 147.	3.7	185
14	Discovery of pan autophagy inhibitors through a high-throughput screen highlights macroautophagy as an evolutionarily conserved process across 3 eukaryotic kingdoms. Autophagy, 2017, 13, 1556-1572.	9.1	22
15	Resistance exercise initiates mechanistic target of rapamycin (mTOR) translocation and protein complex co-localisation in human skeletal muscle. Scientific Reports, 2017, 7, 5028.	3.3	86
16	Dysregulation of autophagy as a common mechanism in lysosomal storage diseases. Essays in Biochemistry, 2017, 61, 733-749.	4.7	138
17	PEG-lipid micelles enable cholesterol efflux in Niemann-Pick Type C1 disease-based lysosomal storage disorder. Scientific Reports, 2016, 6, 31750.	3.3	33
18	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701

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19	Autophagy, lipophagy and lysosomal lipid storage disorders. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 269-284.	2.4	189
20	Control of TSC2-Rheb signaling axis by arginine regulates mTORC1 activity. ELife, 2016, 5, .	6.0	147
21	Small-molecule enhancers of autophagy modulate cellular disease phenotypes suggested by human genetics. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4281-7.	7.1	56
22	Amino acids and autophagy: cross-talk and co-operation to control cellular homeostasis. Amino Acids, 2015, 47, 2065-2088.	2.7	80
23	Direct Lineage Conversion of Adult Mouse Liver Cells and B Lymphocytes to Neural Stem Cells. Stem Cell Reports, 2014, 3, 948-956.	4.8	57
24	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
25	Autophagy researchers. Autophagy, 2014, 10, 552-555.	9.1	0
26	Genetic and Chemical Correction of Cholesterol Accumulation and Impaired Autophagy in Hepatic and Neural Cells Derived from Niemann-Pick Type C Patient-Specific iPS Cells. Stem Cell Reports, 2014, 2, 866-880.	4.8	180
27	The Developmental Potential of iPSCs Is Greatly Influenced by Reprogramming Factor Selection. Cell Stem Cell, 2014, 15, 295-309.	11.1	137
28	Efficiency of siRNA delivery by lipid nanoparticles is limited by endocytic recycling. Nature Biotechnology, 2013, 31, 653-658.	17.5	660
29	Impaired Autophagy in the Lipid-Storage Disorder Niemann-Pick Type C1 Disease. Cell Reports, 2013, 5, 1302-1315.	6.4	232
30	Chemical screening platforms for autophagy drug discovery to identify therapeutic candidates for Huntington's disease and other neurodegenerative disorders. Drug Discovery Today: Technologies, 2013, 10, e137-e144.	4.0	36
31	Regulation of autophagy by mTOR-dependent and mTOR-independent pathways: autophagy dysfunction in neurodegenerative diseases and therapeutic application of autophagy enhancers. Biochemical Society Transactions, 2013, 41, 1103-1130.	3.4	309
32	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
33	Direct Reprogramming of Fibroblasts into Embryonic Sertoli-like Cells by Defined Factors. Cell Stem Cell, 2012, 11, 373-386.	11.1	147
34	Complex Inhibitory Effects of Nitric Oxide on Autophagy. Molecular Cell, 2011, 43, 19-32.	9.7	340
35	Lysosomal positioning coordinates cellular nutrient responses. Nature Cell Biology, 2011, 13, 453-460.	10.3	726
36	Cystamine Suppresses Polyalanine Toxicity in a Mouse Model of Oculopharyngeal Muscular Dystrophy. Science Translational Medicine, 2010, 2, 34ra40.	12.4	40

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37	Antioxidants can inhibit basal autophagy and enhance neurodegeneration in models of polyglutamine disease. Human Molecular Genetics, 2010, 19, 3413-3429.	2.9	135
38	Deletion of the Huntingtin Polyglutamine Stretch Enhances Neuronal Autophagy and Longevity in Mice. PLoS Genetics, 2010, 6, e1000838.	3.5	140
39	Chemical Inducers of Autophagy That Enhance the Clearance of Mutant Proteins in Neurodegenerative Diseases. Journal of Biological Chemistry, 2010, 285, 11061-11067.	3.4	181
40	Impaired autophagy in Lafora disease. Autophagy, 2010, 6, 991-993.	9.1	30
41	Laforin, the most common protein mutated in Lafora disease, regulates autophagy. Human Molecular Genetics, 2010, 19, 2867-2876.	2.9	170
42	Regulation of Mammalian Autophagy in Physiology and Pathophysiology. Physiological Reviews, 2010, 90, 1383-1435.	28.8	1,557
43	In search of an â€œautophagomometerâ€• Autophagy, 2009, 5, 585-589.	9.1	503
44	Mammalian macroautophagy at a glance. Journal of Cell Science, 2009, 122, 1707-1711.	2.0	163
45	Chapter 5 Autophagic Clearance of Aggregateâ€Prone Proteins Associated with Neurodegeneration. Methods in Enzymology, 2009, 453, 83-110.	1.0	81
46	Methodological considerations for assessing autophagy modulators: A study with calcium phosphate precipitates. Autophagy, 2009, 5, 307-313.	9.1	67
47	Huntingtonâ€™s disease: degradation of mutant huntingtin by autophagy. FEBS Journal, 2008, 275, 4263-4270.	4.7	177
48	Novel targets for Huntington's disease in an mTOR-independent autophagy pathway. Nature Chemical Biology, 2008, 4, 295-305.	8.0	739
49	Small molecule enhancers of autophagy for neurodegenerative diseases. Molecular BioSystems, 2008, 4, 895.	2.9	146
50	Wild-type PABPN1 is anti-apoptotic and reduces toxicity of the oculopharyngeal muscular dystrophy mutation. Human Molecular Genetics, 2008, 17, 1097-1108.	2.9	41
51	A rational mechanism for combination treatment of Huntington's disease using lithium and rapamycin. Human Molecular Genetics, 2008, 17, 170-178.	2.9	312
52	Rab5 modulates aggregation and toxicity of mutant huntingtin through macroautophagy in cell and fly models of Huntington disease. Journal of Cell Science, 2008, 121, 1649-1660.	2.0	284
53	Clearance of Mutant Aggregate-Prone Proteins by Autophagy. Methods in Molecular Biology, 2008, 445, 195-211.	0.9	44
54	Trehalose, a Novel mTOR-independent Autophagy Enhancer, Accelerates the Clearance of Mutant Huntingtin and Î±-Synuclein. Journal of Biological Chemistry, 2007, 282, 5641-5652.	3.4	971

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55	Small Molecule Enhancers of Rapamycin-Induced TOR Inhibition Promote Autophagy, Reduce Toxicity in Huntingtonâ€™s Disease Models and Enhance Killing of Mycobacteria by Macrophages. Autophagy, 2007, 3, 620-622.	9.1	150
56	Hydrophilic protein associated with desiccation tolerance exhibits broad protein stabilization function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18073-18078.	7.1	276
57	The ubiquitin proteasome system in Huntington's disease and the spinocerebellar ataxias. BMC Biochemistry, 2007, 8, S2.	4.4	47
58	Small molecules enhance autophagy and reduce toxicity in Huntington's disease models. Nature Chemical Biology, 2007, 3, 331-338.	8.0	572
59	Inositol and IP3 Levels Regulate Autophagyâ€”Biology and Therapeutic Speculations. Autophagy, 2006, 2, 132-134.	9.1	151
60	Trehalose reduces aggregate formation and delays pathology in a transgenic mouse model of oculopharyngeal muscular dystrophy. Human Molecular Genetics, 2006, 15, 23-31.	2.9	191
61	Aggregateâ€Prone Proteins Are Cleared from the Cytosol by Autophagy: Therapeutic Implications. Current Topics in Developmental Biology, 2006, 76, 89-101.	2.2	262
62	Lithium induces autophagy by inhibiting inositol monophosphatase. Journal of Cell Biology, 2005, 170, 1101-1111.	5.2	868
63	The roles of the ubiquitin-proteasome and autophagyâ€“lysosome pathways in Huntington's disease and related conditions. Clinical Neuroscience Research, 2003, 3, 141-148.	0.8	10