

James A Olzmann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

5,798
citations

29
h-index

55
g-index

55
ext. papers

7,656
ext. citations

11.1
avg, IF

6.38
L-index

#	Paper	IF	Citations
47	The CoQ oxidoreductase FSP1 acts parallel to GPX4 to inhibit ferroptosis. <i>Nature</i> , 2019 , 575, 688-692	50.4	673
46	Dynamics and functions of lipid droplets. <i>Nature Reviews Molecular Cell Biology</i> , 2019 , 20, 137-155	48.7	612
45	PINK1 protects against oxidative stress by phosphorylating mitochondrial chaperone TRAP1. <i>PLoS Biology</i> , 2007 , 5, e172	9.7	468
44	High glucose-induced oxidative stress and mitochondrial dysfunction in neurons. <i>FASEB Journal</i> , 2002 , 16, 1738-48	0.9	397
43	Oxidative damage of DJ-1 is linked to sporadic Parkinson and Alzheimer diseases. <i>Journal of Biological Chemistry</i> , 2006 , 281, 10816-24	5.4	376
42	Defining human ERAD networks through an integrative mapping strategy. <i>Nature Cell Biology</i> , 2011 , 14, 93-105	23.4	336
41	Parkin-mediated K63-linked polyubiquitination targets misfolded DJ-1 to aggresomes via binding to HDAC6. <i>Journal of Cell Biology</i> , 2007 , 178, 1025-38	7.3	277
40	DGAT1-Dependent Lipid Droplet Biogenesis Protects Mitochondrial Function during Starvation-Induced Autophagy. <i>Developmental Cell</i> , 2017 , 42, 9-21.e5	10.2	225
39	The mammalian endoplasmic reticulum-associated degradation system. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013 , 5,	10.2	222
38	Familial Parkinson's disease-associated L166P mutation disrupts DJ-1 protein folding and function. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8506-15	5.4	219
37	Exogenous Monounsaturated Fatty Acids Promote a Ferroptosis-Resistant Cell State. <i>Cell Chemical Biology</i> , 2019 , 26, 420-432.e9	8.2	202
36	Harnessing the anti-cancer natural product nimbolide for targeted protein degradation. <i>Nature Chemical Biology</i> , 2019 , 15, 747-755	11.7	152
35	Parkin-mediated K63-linked polyubiquitination: a signal for targeting misfolded proteins to the aggresome-autophagy pathway. <i>Autophagy</i> , 2008 , 4, 85-7	10.2	145
34	A Proximity Labeling Strategy Provides Insights into the Composition and Dynamics of Lipid Droplet Proteomes. <i>Developmental Cell</i> , 2018 , 44, 97-112.e7	10.2	143
33	Derlin-1 is a rhomboid pseudoprotease required for the dislocation of mutant Δ antitrypsin from the endoplasmic reticulum. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 1147-52	17.6	143
32	Uncoupling proteins prevent glucose-induced neuronal oxidative stress and programmed cell death. <i>Diabetes</i> , 2004 , 53, 726-34	0.9	141
31	Spatial regulation of UBXD8 and p97/VCP controls ATGL-mediated lipid droplet turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1345-50	11.5	121

30	Spongiform neurodegeneration-associated E3 ligase Mahogunin ubiquitylates TSG101 and regulates endosomal trafficking. <i>Molecular Biology of the Cell</i> , 2007 , 18, 1129-42	3.5	110
29	Parkin-mediated ubiquitin signalling in aggresome formation and autophagy. <i>Biochemical Society Transactions</i> , 2010 , 38, 144-9	5.1	106
28	Establishing the lipid droplet proteome: Mechanisms of lipid droplet protein targeting and degradation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 1166-1177	5	75
27	Endoplasmic Reticulum-Associated Degradation and Lipid Homeostasis. <i>Annual Review of Nutrition</i> , 2016 , 36, 511-42	9.9	70
26	Covalent targeting of the vacuolar H-ATPase activates autophagy via mTORC1 inhibition. <i>Nature Chemical Biology</i> , 2019 , 15, 776-785	11.7	63
25	Unassembled CD147 is an endogenous endoplasmic reticulum-associated degradation substrate. <i>Molecular Biology of the Cell</i> , 2012 , 23, 4668-78	3.5	62
24	A Genome-wide ER-phagy Screen Highlights Key Roles of Mitochondrial Metabolism and ER-Resident UFMylation. <i>Cell</i> , 2020 , 180, 1160-1177.e20	56.2	58
23	Mutations associated with Charcot-Marie-Tooth disease cause SIMPLE protein mislocalization and degradation by the proteasome and aggresome-autophagy pathways. <i>Journal of Cell Science</i> , 2011 , 124, 3319-31	5.3	57
22	Lipid droplet formation is dispensable for endoplasmic reticulum-associated degradation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 27872-4	5.4	45
21	Lipid droplets and lipotoxicity during autophagy. <i>Autophagy</i> , 2017 , 13, 2002-2003	10.2	44
20	Selective enrichment of DJ-1 protein in primate striatal neuronal processes: implications for Parkinson's disease. <i>Journal of Comparative Neurology</i> , 2007 , 500, 585-99	3.4	42
19	Parthenolide Covalently Targets and Inhibits Focal Adhesion Kinase in Breast Cancer Cells. <i>Cell Chemical Biology</i> , 2019 , 26, 1027-1035.e22	8.2	36
18	Chemoproteomics-Enabled Covalent Ligand Screening Reveals a Thioredoxin-Caspase 3 Interaction Disruptor That Impairs Breast Cancer Pathogenicity. <i>ACS Chemical Biology</i> , 2017 , 12, 2522-2528	4.9	23
17	Characterization of protein complexes of the endoplasmic reticulum-associated degradation E3 ubiquitin ligase Hrd1. <i>Journal of Biological Chemistry</i> , 2017 , 292, 9104-9116	5.4	21
16	A VCP inhibitor substrate trapping approach (VISTA) enables proteomic profiling of endogenous ERAD substrates. <i>Molecular Biology of the Cell</i> , 2018 , 29, 1021-1030	3.5	19
15	Lipid disequilibrium disrupts ER proteostasis by impairing ERAD substrate glycan trimming and dislocation. <i>Molecular Biology of the Cell</i> , 2017 , 28, 270-284	3.5	18
14	Protein Quality Control and Lipid Droplet Metabolism. <i>Annual Review of Cell and Developmental Biology</i> , 2020 , 36, 115-139	12.6	18
13	A Tense Situation: Maintaining ER Homeostasis during Lipid Droplet Budding. <i>Developmental Cell</i> , 2019 , 50, 1-2	10.2	16

12	Making the cut: intramembrane cleavage by a rhomboid protease promotes ERAD. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 979-81	17.6	15
11	Getting a handle on lipid droplets: Insights into ER-lipid droplet tethering. <i>Journal of Cell Biology</i> , 2019 , 218, 1089-1091	7.3	10
10	Identification of Lipid Droplet Proteomes by Proximity Labeling Proteomics Using APEX2. <i>Methods in Molecular Biology</i> , 2019 , 2008, 57-72	1.4	8
9	Diversity through equity and inclusion: The responsibility belongs to all of us. <i>Molecular Biology of the Cell</i> , 2020 , 31, 2757-2760	3.5	7
8	A polyubiquitin chain reaction: parkin recruitment to damaged mitochondria. <i>PLoS Genetics</i> , 2015 , 11, e1004952	6	5
7	The Lipid Droplet Knowledge Portal: A resource for systematic analyses of lipid droplet biology.. <i>Developmental Cell</i> , 2022 , 57, 387-397.e4	10.2	4
6	Harnessing the Anti-Cancer Natural Product Nimbolide for Targeted Protein Degradation		4
5	Organelle Biogenesis: ER Shape Influences Lipid Droplet Nucleation. <i>Current Biology</i> , 2020 , 30, R770-R773	3	3
4	Ending on a sour note: Lipids orchestrate ferroptosis in cancer. <i>Cell Metabolism</i> , 2021 , 33, 1507-1509	24.6	2
3	Going through a phase. <i>Nature Chemical Biology</i> , 2020 , 16, 111-112	11.7	1
2	Optimized protocol for the identification of lipid droplet proteomes using proximity labeling proteomics in cultured human cells. <i>STAR Protocols</i> , 2021 , 2, 100579	1.4	0
1	A Proteomic Map to Navigate Subcellular Reorganization in Fatty Liver Disease. <i>Developmental Cell</i> , 2018 , 47, 139-141	10.2	