James A Olzmann

List of Publications by Year in Descending Order

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 Lipid Droplet Knowledge Portal: A resource for systematic analyses of lipid droplet biology.. *Developmental Cell*, **2022**, 57, 387-397.e4	10.2	4
46	Optimized protocol for the identification of lipid droplet proteomes using proximity labeling proteomics in cultured human cells. *STAR Protocols*, **2021**, 2, 100579	1.4	0
45	Ending on a sour note: Lipids orchestrate ferroptosis in cancer. *Cell Metabolism*, **2021**, 33, 1507-1509	24.6	2
44	A Genome-wide ER-phagy Screen Highlights Key Roles of Mitochondrial Metabolism and ER-Resident UFMylation. *Cell*, **2020**, 180, 1160-1177.e20	56.2	58
43	Organelle Biogenesis: ER Shape Influences Lipid Droplet Nucleation. *Current Biology*, **2020**, 30, R770-R773	8.3	3
42	Diversity through equity and inclusion: The responsibility belongs to all of us. *Molecular Biology of the Cell*, **2020**, 31, 2757-2760	3.5	7
41	Going through a phase. *Nature Chemical Biology*, **2020**, 16, 111-112	11.7	1
40	Protein Quality Control and Lipid Droplet Metabolism. *Annual Review of Cell and Developmental Biology*, **2020**, 36, 115-139	12.6	18
39	Exogenous Monounsaturated Fatty Acids Promote a Ferroptosis-Resistant Cell State. *Cell Chemical Biology*, **2019**, 26, 420-432.e9	8.2	202
38	Identification of Lipid Droplet Proteomes by Proximity Labeling Proteomics Using APEX2. *Methods in Molecular Biology*, **2019**, 2008, 57-72	1.4	8
37	Harnessing the anti-cancer natural product nimbolide for targeted protein degradation. *Nature Chemical Biology*, **2019**, 15, 747-755	11.7	152
36	Parthenolide Covalently Targets and Inhibits Focal Adhesion Kinase in Breast Cancer Cells. *Cell Chemical Biology*, **2019**, 26, 1027-1035.e22	8.2	36
35	Getting a handle on lipid droplets: Insights into ER-lipid droplet tethering. *Journal of Cell Biology*, **2019**, 218, 1089-1091	7.3	10
34	Covalent targeting of the vacuolar H-ATPase activates autophagy via mTORC1 inhibition. *Nature Chemical Biology*, **2019**, 15, 776-785	11.7	63
33	A Tense Situation: Maintaining ER Homeostasis during Lipid Droplet Budding. *Developmental Cell*, **2019**, 50, 1-2	10.2	16
32	The CoQ oxidoreductase FSP1 acts parallel to GPX4 to inhibit ferroptosis. *Nature*, **2019**, 575, 688-692	50.4	673
31	Dynamics and functions of lipid droplets. *Nature Reviews Molecular Cell Biology*, **2019**, 20, 137-155	48.7	612

30	A VCP inhibitor substrate trapping approach (VISTA) enables proteomic profiling of endogenous ERAD substrates. *Molecular Biology of the Cell*, **2018**, 29, 1021-1030	3.5	19
29	A Proximity Labeling Strategy Provides Insights into the Composition and Dynamics of Lipid Droplet Proteomes. *Developmental Cell*, **2018**, 44, 97-112.e7	10.2	143
28	A Proteomic Map to Navigate Subcellular Reorganization in Fatty Liver Disease. *Developmental Cell*, **2018**, 47, 139-141	10.2	
27	Characterization of protein complexes of the endoplasmic reticulum-associated degradation E3 ubiquitin ligase Hrd1. *Journal of Biological Chemistry*, **2017**, 292, 9104-9116	5.4	21
26	Establishing the lipid droplet proteome: Mechanisms of lipid droplet protein targeting and degradation. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2017**, 1862, 1166-1177	5	75
25	Chemoproteomics-Enabled Covalent Ligand Screening Reveals a Thioredoxin-Caspase 3 Interaction Disruptor That Impairs Breast Cancer Pathogenicity. *ACS Chemical Biology*, **2017**, 12, 2522-2528	4.9	23
24	Lipid droplets and lipotoxicity during autophagy. *Autophagy*, **2017**, 13, 2002-2003	10.2	44
23	DGAT1-Dependent Lipid Droplet Biogenesis Protects Mitochondrial Function during Starvation-Induced Autophagy. *Developmental Cell*, **2017**, 42, 9-21.e5	10.2	225
22	Lipid disequilibrium disrupts ER proteostasis by impairing ERAD substrate glycan trimming and dislocation. *Molecular Biology of the Cell*, **2017**, 28, 270-284	3.5	18
21	Endoplasmic Reticulum-Associated Degradation and Lipid Homeostasis. *Annual Review of Nutrition*, **2016**, 36, 511-42	9.9	70
20	A polyubiquitin chain reaction: parkin recruitment to damaged mitochondria. *PLoS Genetics*, **2015**, 11, e1004952	6	5
19	Spatial regulation of UBXD8 and p97/VCP controls ATGL-mediated lipid droplet turnover. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1345-50	11.5	121
18	The mammalian endoplasmic reticulum-associated degradation system. *Cold Spring Harbor Perspectives in Biology*, **2013**, 5,	10.2	222
17	Making the cut: intramembrane cleavage by a rhomboid protease promotes ERAD. *Nature Structural and Molecular Biology*, **2012**, 19, 979-81	17.6	15
16	Unassembled CD147 is an endogenous endoplasmic reticulum-associated degradation substrate. *Molecular Biology of the Cell*, **2012**, 23, 4668-78	3.5	62
15	Defining human ERAD networks through an integrative mapping strategy. *Nature Cell Biology*, **2011**, 14, 93-105	23.4	336
14	Derlin-1 is a rhomboid pseudoprotease required for the dislocation of mutant α1 antitrypsin from the endoplasmic reticulum. *Nature Structural and Molecular Biology*, **2011**, 18, 1147-52	17.6	143
13	Lipid droplet formation is dispensable for endoplasmic reticulum-associated degradation. *Journal of Biological Chemistry*, **2011**, 286, 27872-4	5.4	45

12	Mutations associated with Charcot-Marie-Tooth disease cause SIMPLE protein mislocalization and degradation by the proteasome and aggresome-autophagy pathways. *Journal of Cell Science*, **2011**, 124, 3319-31	5.3	57
11	Parkin-mediated ubiquitin signalling in aggresome formation and autophagy. *Biochemical Society Transactions*, **2010**, 38, 144-9	5.1	106
10	Parkin-mediated K63-linked polyubiquitination: a signal for targeting misfolded proteins to the aggresome-autophagy pathway. *Autophagy*, **2008**, 4, 85-7	10.2	145
9	Selective enrichment of DJ-1 protein in primate striatal neuronal processes: implications for Parkinson's disease. *Journal of Comparative Neurology*, **2007**, 500, 585-99	3.4	42
8	Spongiform neurodegeneration-associated E3 ligase Mahogunin ubiquitylates TSG101 and regulates endosomal trafficking. *Molecular Biology of the Cell*, **2007**, 18, 1129-42	3.5	110
7	PINK1 protects against oxidative stress by phosphorylating mitochondrial chaperone TRAP1. *PLoS Biology*, **2007**, 5, e172	9.7	468
6	Parkin-mediated K63-linked polyubiquitination targets misfolded DJ-1 to aggresomes via binding to HDAC6. *Journal of Cell Biology*, **2007**, 178, 1025-38	7.3	277
5	Oxidative damage of DJ-1 is linked to sporadic Parkinson and Alzheimer diseases. *Journal of Biological Chemistry*, **2006**, 281, 10816-24	5.4	376
4	Familial Parkinson's disease-associated L166P mutation disrupts DJ-1 protein folding and function. *Journal of Biological Chemistry*, **2004**, 279, 8506-15	5.4	219
3	Uncoupling proteins prevent glucose-induced neuronal oxidative stress and programmed cell death. *Diabetes*, **2004**, 53, 726-34	0.9	141
2	High glucose-induced oxidative stress and mitochondrial dysfunction in neurons. *FASEB Journal*, **2002**, 16, 1738-48	0.9	397
1	Harnessing the Anti-Cancer Natural Product Nimbolide for Targeted Protein Degradation		4