

# Jon D Lane

## List of Publications by Year in descending order

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43  
papers

10,325  
citations

304701

22  
h-index

289230

40  
g-index

49  
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49  
docs citations

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times ranked

22869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transautophagy: Research and Translation of Autophagy Knowledge 2020. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-3.	4.0	2
2	The ATG5 interactome links clathrin-mediated vesicular trafficking with the autophagosome assembly machinery. , 2022, 1, 88-118.		6
3	Autophagy tunes chondrocyte differentiation and joint developmental precision in zebrafish. , 2022, 1, 214-218.		0
4	A monolayer hiPSC culture system for autophagy/mitophagy studies in human dopaminergic neurons. <i>Autophagy</i> , 2021, 17, 855-871.	9.1	17
5	Efficient and Scalable Generation of Human Ventral Midbrain Astrocytes from Human-Induced Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	4
6	Autophagy coordinates chondrocyte development and early joint formation in zebrafish. <i>FASEB Journal</i> , 2021, 35, e22002.	0.5	9
7	L-Arginine Ameliorates Defective Autophagy in GM2 Gangliosidoses by mTOR Modulation. <i>Cells</i> , 2021, 10, 3122.	4.1	2
8	Autophagy and Redox Homeostasis in Parkinsonâ€™s: A Crucial Balancing Act. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-38.	4.0	14
9	Mitochondrial import, health and mtDNA copy number variability using type II and type V CRISPR effectors. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	16
10	Zebrafish as a model to study autophagy and its role in skeletal development and disease. <i>Histochemistry and Cell Biology</i> , 2020, 154, 549-564.	1.7	15
11	A heterodimeric SNX4:SNX7 SNX-BAR autophagy complex coordinates ATG9A trafficking for efficient autophagosome assembly. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	19
12	DNA damage signalling from the placenta to foetal blood as a potential mechanism for childhood leukaemia initiation. <i>Scientific Reports</i> , 2019, 9, 4370.	3.3	9
13	Mathematical Modeling Highlights the Complex Role of AKT in TRAIL-Induced Apoptosis of Colorectal Carcinoma Cells. <i>IScience</i> , 2019, 12, 182-193.	4.1	25
14	Imaging Autophagy in hiPSC-Derived Midbrain Dopaminergic Neuronal Cultures for Parkinsonâ€™s Disease Research. <i>Methods in Molecular Biology</i> , 2019, 1880, 257-280.	0.9	5
15	Nanoparticle-induced neuronal toxicity across placental barriers is mediated by autophagy and dependent on astrocytes. <i>Nature Nanotechnology</i> , 2018, 13, 427-433.	31.5	107
16	Transautophagy: Research and Translation of Autophagy Knowledge. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-3.	4.0	1
17	Induced Pluripotent Stem Cell Neuronal Models for the Study of Autophagy Pathways in Human Neurodegenerative Disease. <i>Cells</i> , 2017, 6, 24.	4.1	18
18	Editorial: Self-Eating on Demand: Autophagy in Cancer and Cancer Therapy. <i>Frontiers in Oncology</i> , 2017, 7, 302.	2.8	1

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19	Signalling mechanisms in autophagy: an introduction to the issue. <i>Essays in Biochemistry</i> , 2017, 61, 561-563.	4.7	3
20	TRANSAUTOPHAGY: European network for multidisciplinary research and translation of autophagy knowledge. <i>Autophagy</i> , 2016, 12, 614-617.	9.1	2
21	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
22	Targeted siRNA Screens Identify ER-to-Mitochondrial Calcium Exchange in Autophagy and Mitophagy Responses in RPE1 Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 13356-13380.	4.1	43
23	<scp>USP</scp> 30 deubiquitylates mitochondrial <scp>P</scp> arkin substrates and restricts apoptotic cell death. <i>EMBO Reports</i> , 2015, 16, 618-627.	4.5	136
24	Impaired OMA1 dependent OPA1 cleavage and reduced DRP1 fission activity combine to prevent mitophagy in OXPHOS dependent cells. <i>Journal of Cell Science</i> , 2014, 127, 2313-25.	2.0	90
25	Secretions from placenta, after hypoxia/reoxygenation, can damage developing neurones of brain under experimental conditions. <i>Experimental Neurology</i> , 2014, 261, 386-395.	4.1	29
26	Autophagy facilitates organelle clearance during differentiation of human erythroblasts. <i>Autophagy</i> , 2013, 9, 881-893.	9.1	97
27	Autolysosomal $\beta$ -catenin degradation regulates Wnt-autophagy-p62 crosstalk. <i>EMBO Journal</i> , 2013, 32, 1903-1916.	7.8	259
28	SIRT3: A Central Regulator of Mitochondrial Adaptation in Health and Disease. <i>Genes and Cancer</i> , 2013, 4, 118-124.	1.9	58
29	A cryptic mitochondrial targeting motif in Atg4D links caspase cleavage with mitochondrial import and oxidative stress. <i>Autophagy</i> , 2012, 8, 664-676.	9.1	54
30	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
31	CNS SIRT3 Expression Is Altered by Reactive Oxygen Species and in Alzheimer's Disease. <i>PLoS ONE</i> , 2012, 7, e48225.	2.5	103
32	Plasma Membrane Loss in Maturing Human Reticulocytes Occurs Through Endocytosis of Large Glycophorin A-Containing Vacuoles Which Fuse with Autophagosomes Before Exocytosis. <i>Blood</i> , 2011, 118, 177-177.	1.4	8
33	Caspase cleavage of Atg4D stimulates GABARAP-L1 processing and triggers mitochondrial targeting and apoptosis. <i>Journal of Cell Science</i> , 2009, 122, 2554-2566.	2.0	245
34	Dynamic release of nuclear RanGTP triggers TPX2-dependent microtubule assembly during the apoptotic execution phase. <i>Journal of Cell Science</i> , 2009, 122, 644-655.	2.0	39
35	Atg4D at the interface between autophagy and apoptosis. <i>Autophagy</i> , 2009, 5, 1057-1059.	9.1	63
36	Nanoparticles can cause DNA damage across a cellular barrier. <i>Nature Nanotechnology</i> , 2009, 4, 876-883.	31.5	351

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37	Microtubules: forgotten players in the apoptotic execution phase. <i>Trends in Cell Biology</i> , 2006, 16, 330-338.	7.9	45
38	A novel role for microtubules in apoptotic chromatin dynamics and cellular fragmentation. <i>Journal of Cell Science</i> , 2006, 119, 2362-2374.	2.0	131
39	Active relocation of chromatin and endoplasmic reticulum into blebs in late apoptotic cells. <i>Journal of Cell Science</i> , 2005, 118, 4059-4071.	2.0	128
40	Caspase-mediated cleavage of syntaxin 5 and giantin accompanies inhibition of secretory traffic during apoptosis. <i>Journal of Cell Science</i> , 2004, 117, 1139-1150.	2.0	76
41	Caspase-mediated cleavage of the stacking protein GRASP65 is required for Golgi fragmentation during apoptosis. <i>Journal of Cell Biology</i> , 2002, 156, 495-509.	5.2	207
42	Apoptotic Cleavage of Cytoplasmic Dynein Intermediate Chain and P150GluedStops Dynein-Dependent Membrane Motility. <i>Journal of Cell Biology</i> , 2001, 153, 1415-1426.	5.2	55
43	The autophagosome: current understanding of formation and maturation. <i>Research and Reports in Biochemistry</i> , 0, , 39.	1.6	2