

Michael Overholtzer

List of Publications by Year in descending order

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54
papers

16,609
citations

126907

33
h-index

197818

49
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all docs

55
docs citations

55
times ranked

26763
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. <i>Cell</i> , 2017, 171, 273-285.	28.9	4,081
2	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	11.2	4,036
3	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
4	Transforming properties of YAP, a candidate oncogene on the chromosome 11q22 amplicon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12405-12410.	7.1	810
5	A Nonapoptotic Cell Death Process, Entosis, that Occurs by Cell-in-Cell Invasion. <i>Cell</i> , 2007, 131, 966-979.	28.9	582
6	Ultrasmall nanoparticles induce ferroptosis in nutrient-deprived cancer cells and suppress tumour growth. <i>Nature Nanotechnology</i> , 2016, 11, 977-985.	31.5	467
7	Autophagy machinery mediates macroendocytic processing and entotic cell death by targeting single membranes. <i>Nature Cell Biology</i> , 2011, 13, 1335-1343.	10.3	376
8	TLR Signals Induce Phagosomal MHC-I Delivery from the Endosomal Recycling Compartment to Allow Cross-Presentation. <i>Cell</i> , 2014, 158, 506-521.	28.9	270
9	Ferroptosis occurs through an osmotic mechanism and propagates independently of cell rupture. <i>Nature Cell Biology</i> , 2020, 22, 1042-1048.	10.3	228
10	Competition between human cells by entosis. <i>Cell Research</i> , 2014, 24, 1299-1310.	12.0	180
11	Autophagy in cellular metabolism and cancer. <i>Journal of Clinical Investigation</i> , 2015, 125, 47-54.	8.2	173
12	Interaction between FIP200 and ATG16L1 distinguishes ULK1 complex-dependent and -independent autophagy. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 144-149.	8.2	171
13	The cell biology of cell-in-cell structures. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 796-809.	37.0	168
14	V-ATPase and osmotic imbalances activate endolysosomal LC3 lipidation. <i>Autophagy</i> , 2015, 11, 88-99.	9.1	160
15	Cell-in-cell phenomena in cancer. <i>Nature Reviews Cancer</i> , 2018, 18, 758-766.	28.4	132
16	Entosis Is Induced by Glucose Starvation. <i>Cell Reports</i> , 2017, 20, 201-210.	6.4	130
17	Ultrasmall targeted nanoparticles with engineered antibody fragments for imaging detection of HER2-overexpressing breast cancer. <i>Nature Communications</i> , 2018, 9, 4141.	12.8	126
18	A unifying paradigm for transcriptional heterogeneity and squamous features in pancreatic ductal adenocarcinoma. <i>Nature Cancer</i> , 2020, 1, 59-74.	13.2	124

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19	Induction of entosis by epithelial cadherin expression. <i>Cell Research</i> , 2014, 24, 1288-1298.	12.0	118
20	PIKfyve Regulates Vacuole Maturation and Nutrient Recovery following Engulfment. <i>Developmental Cell</i> , 2016, 38, 536-547.	7.0	118
21	Autophagy proteins in macroendocytic engulfment. <i>Trends in Cell Biology</i> , 2012, 22, 374-380.	7.9	115
22	mTOR regulates phagosome and entotic vacuole fission. <i>Molecular Biology of the Cell</i> , 2013, 24, 3736-3745.	2.1	114
23	RIPK1-mediated induction of mitophagy compromises the viability of extracellular-matrix-detached cells. <i>Nature Cell Biology</i> , 2018, 20, 272-284.	10.3	75
24	Mechanisms and consequences of entosis. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2379-2386.	5.4	74
25	Lipid peroxidation regulates long-range wound detection through 5-lipoxygenase in zebrafish. <i>Nature Cell Biology</i> , 2020, 22, 1049-1055.	10.3	68
26	Atg5 Is Essential for the Development and Survival of Innate Lymphocytes. <i>Cell Reports</i> , 2016, 15, 1910-1919.	6.4	60
27	Ultrasmall Core-Shell Silica Nanoparticles for Precision Drug Delivery in a High-Grade Malignant Brain Tumor Model. <i>Clinical Cancer Research</i> , 2020, 26, 147-158.	7.0	59
28	Cancer-Targeting Ultrasmall Silica Nanoparticles for Clinical Translation: Physicochemical Structure and Biological Property Correlations. <i>Chemistry of Materials</i> , 2017, 29, 8766-8779.	6.7	58
29	Cytokinesis involves a nontranscriptional function of the Hippo pathway effector YAP. <i>Science Signaling</i> , 2016, 9, ra23.	3.6	53
30	Population Dynamics in Cell Death: Mechanisms of Propagation. <i>Trends in Cancer</i> , 2019, 5, 558-568.	7.4	51
31	Selective Lysosome Membrane Turnover Is Induced by Nutrient Starvation. <i>Developmental Cell</i> , 2020, 55, 289-297.e4.	7.0	45
32	Melanocortin-1 Receptor-Targeting Ultrasmall Silica Nanoparticles for Dual-Modality Human Melanoma Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4379-4393.	8.0	40
33	Genetic and clinical correlates of entosis in pancreatic ductal adenocarcinoma. <i>Modern Pathology</i> , 2020, 33, 1822-1831.	5.5	40
34	Diverse roles of guanine nucleotide exchange factors in regulating collective cell migration. <i>Journal of Cell Biology</i> , 2017, 216, 1543-1556.	5.2	30
35	Macropinocytosis and autophagy crosstalk in nutrient scavenging. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180154.	4.0	29
36	Entosis Controls a Developmental Cell Clearance in <i>C.Âlegans</i> . <i>Cell Reports</i> , 2019, 26, 3212-3220.e4.	6.4	25

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37	Cell-in-cell structures are involved in the competition between cells in human tumors. <i>Molecular and Cellular Oncology</i> , 2015, 2, e1002707.	0.7	21
38	Cell-in-cell phenomena, cannibalism, and autophagy: is there a relationship?. <i>Cell Death and Disease</i> , 2018, 9, 95.	6.3	17
39	Entosis is induced by ultraviolet radiation. <i>IScience</i> , 2021, 24, 102902.	4.1	14
40	LAP: the protector against autoimmunity. <i>Cell Research</i> , 2016, 26, 865-866.	12.0	12
41	Leucine retention in lysosomes is regulated by starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	10
42	Entosis enables a population response to starvation. <i>Oncotarget</i> , 2017, 8, 57934-57935.	1.8	6
43	After-Death Functions of Cell Death. <i>Yale Journal of Biology and Medicine</i> , 2019, 92, 687-694.	0.2	6
44	Methods for the Study of Entotic Cell Death. <i>Methods in Molecular Biology</i> , 2019, 1880, 447-454.	0.9	5
45	Amino acids and mechanistic target of rapamycin regulate the fate of live engulfed cells. <i>FASEB Journal</i> , 2021, 35, e21909.	0.5	4
46	In-cell infection: bringing uninvited guests. <i>Cell Research</i> , 2015, 25, 647-648.	12.0	2
47	Alan Hall 1952–2015. <i>Nature Cell Biology</i> , 2015, 17, 839-840.	10.3	1
48	Killing me softly: microparticles target deformable cells. <i>Cell Research</i> , 2016, 26, 637-638.	12.0	1
49	When BAX doesn't kill. <i>Cell Cycle</i> , 2018, 17, 412-413.	2.6	1
50	Milk makes lysosomes lethal. <i>Nature Cell Biology</i> , 2014, 16, 1029-1031.	10.3	0
51	Germ Cells Get by with a Little Cannibalistic Help from Their Friends. <i>Developmental Cell</i> , 2016, 39, 631-633.	7.0	0
52	Getting picky with the lysosome membrane. <i>Autophagy</i> , 2021, 17, 1034-1036.	9.1	0
53	Cell death leaves a new TRAIL. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	0
54	<i>Life Science Alliance</i>, from the Academic Editors. <i>Life Science Alliance</i> , 2018, 1, e201800044.	2.8	0