James D Orth

List of Publications by Year
in descending order

30 papers	3,557 citations	361413 20 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	4537 citing authors

#	Article	IF	Citations
1	Foot and mouth: podosomes, invadopodia and circular dorsal ruffles. Nature Reviews Molecular Cell Biology, 2004, 5, 647-657.	37.0	525
2	Regulated Interactions between Dynamin and the Actin-Binding Protein Cortactin Modulate Cell Shape. Journal of Cell Biology, 2000, 151, 187-198.	5.2	356
3	Evidence that Mitotic Exit Is a Better Cancer Therapeutic Target Than Spindle Assembly. Cancer Cell, 2009, 16, 347-358.	16.8	273
4	The large GTPase dynamin regulates actin comet formation and movement in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 167-172.	7.1	215
5	Dynamin at the actinâ€“membrane interface. Current Opinion in Cell Biology, 2003, 15, 31-39.	5.4	212
6	Prolonged mitotic arrest triggers partial activation of apoptosis, resulting in DNA damage and p53 induction. Molecular Biology of the Cell, 2012, 23, 567-576.	2.1	203
7	Cell Type Variation in Responses to Antimitotic Drugs that Target Microtubules and Kinesin-5. Cancer Research, 2008, 68, 3269-3276.	0.9	198
8	A Novel Endocytic Mechanism of Epidermal Growth Factor Receptor Sequestration and Internalization. Cancer Research, 2006, 66, 3603-3610.	0.9	197
9	A Dynaminâ€“Cortactinâ€“Arp2/3 Complex Mediates Actin Reorganization in Growth Factor-stimulated Cells. Molecular Biology of the Cell, 2003, 14, 1085-1096.	2.1	194
10	Cortactin Is a Component of Clathrin-Coated Pits and Participates in Receptor-Mediated Endocytosis. Molecular and Cellular Biology, 2003, 23, 2162-2170.	2.3	188
11	Actin and Arf1-dependent recruitment of a cortactinâ€“dynamin complex to the Golgi regulates post-Golgi transport. Nature Cell Biology, 2005, 7, 483-492.	10.3	156
12	Analysis of Mitosis and Antimitotic Drug Responses in Tumors by In Vivo Microscopy and Single-Cell Pharmacodynamics. Cancer Research, 2011, 71, 4608-4616.	0.9	146
13	Quantitative live imaging of cancer and normal cells treated with Kinesin-5 inhibitors indicates significant differences in phenotypic responses and cell fate. Molecular Cancer Therapeutics, 2008, 7, 3480-3489.	4.1	101
14	Caveolin-1 Interacts Directly with Dynamin-2. Journal of Molecular Biology, 2005, 348, 491-501.	4.2	97
15	Get Off My Back! Rapid Receptor Internalization through Circular Dorsal Ruffles. Cancer Research, 2006, 66, 11094-11096.	0.9	95
16	Testis-Specific Murine Centrin, Cetn1: Genomic Characterization and Evidence for Retroposition of a Gene Encoding a Centrosome Protein. Genomics, 1999, 60, 111-120.	2.9	76
17	In vivo cell-cycle profiling in xenograft tumors by quantitative intravital microscopy. Nature Methods, 2015, 12, 577-585.	19.0	75
18	Single-cell pharmacokinetic imaging reveals a therapeutic strategy to overcome drug resistance to the microtubule inhibitor eribulin. Science Translational Medicine, 2014, 6, 261ra152.	12.4	71

#	Article	IF	Citations
19	Cdc42 and the Actin-Related Protein/Neural Wiskott-Aldrich Syndrome Protein Network Mediate Cellular Invasion by Cryptosporidium parvum. Infection and Immunity, 2004, 72, 3011-3021.	2.2	52
20	Longitudinal tracking of single live cancer cells to understand cell cycle effects of the nuclear export inhibitor, selinexor. Scientific Reports, 2015, 5, 14391.	3.3	24
21	An Intermittent Live Cell Imaging Screen for siRNA Enhancers and Suppressors of a Kinesin-5 Inhibitor. PLoS ONE, 2009, 4, e7339.	2.5	20
22	Characterization of the X-linked murine centrin Cetn2 gene. Gene, 2001, 264, 205-213.	2.2	18
23	Rapid induction of apoptosis during Kinesin-5 inhibitor-induced mitotic arrest in HL60 cells. Cancer Letters, 2011, 310, 15-24.	7.2	13
24	Loss of p53 expression in cancer cells alters cell cycle response after inhibition of exportin-1 but does not prevent cell death. Cell Cycle, 2018, 17, 1329-1344.	2.6	12
25	Through the Looking Glass: Time-lapse Microscopy and Longitudinal Tracking of Single Cells to Study Anti-cancer Therapeutics. Journal of Visualized Experiments, 2016, , .	0.3	9
26	Two alternative mechanisms regulate the onset of chaperone-mediated assembly of the proteasomal ATPases. Journal of Biological Chemistry, 2019, 294, 6562-6577.	3.4	9
27	Inhibition of exportin-1 function results in rapid cell cycle-associated DNA damage in cancer cells. Oncotarget, 2017, 8, 39460-39475.	1.8	8
28	Cell death when the SAC is out of commission. Cell Cycle, 2010, 9, 2049-2050.	2.6	7
29	Preclinical and Dose-Finding Phase I Trial Results of Combined Treatment with a TORC1/2 Inhibitor (TAK-228) and Aurora A Kinase Inhibitor (Alisertib) in Solid Tumors. Clinical Cancer Research, 2020, 26, 4633-4642.	7.0	7
30	Dynamin and Cytoskeletal-Dependent Membrane Processes. , 0, , 189-201.		0