Jesper Nylandsted

List of Publications by Year
in descending order

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64 papers	5,148 citations	117625 34 h-index	128289 60 g-index
70 all docs	70 docs citations	70 times ranked	8607 citing authors

#	Article	IF	Citations
1	Heat Shock Protein 70 Promotes Cell Survival by Inhibiting Lysosomal Membrane Permeabilization. Journal of Experimental Medicine, 2004, 200, 425-435.	8.5	495
2	Hsp70 stabilizes lysosomes and reverts Niemannâ€“Pick disease-associated lysosomal pathology. Nature, 2010, 463, 549-553.	27.8	425
3	Selective depletion of heat shock protein 70 (Hsp70) activates a tumor-specific death program that is independent of caspases and bypasses Bcl-2. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 7871-7876.	7.1	372
4	Members of the heat-shock protein 70 family promote cancer cell growth by distinct mechanisms. Genes and Development, 2005, 19, 570-582.	5.9	354
5	Transformation-Associated Changes in Sphingolipid Metabolism Sensitize Cells to Lysosomal Cell Death Induced by Inhibitors of Acid Sphingomyelinase. Cancer Cell, 2013, 24, 379-393.	16.8	281
6	Vincristine Induces Dramatic Lysosomal Changes and Sensitizes Cancer Cells to Lysosome-Destabilizing Siramesine. Cancer Research, 2007, 67, 2217-2225.	0.9	187
7	S100A11 is required for efficient plasma membrane repair and survival of invasive cancer cells. Nature Communications, 2014, 5, 3795.	12.8	175
8	Heat Shock Protein 70 Is Required for the Survival of Cancer Cells. Annals of the New York Academy of Sciences, 2000, 926, 122-125.	3.8	174
9	Anti-cancer agent siramesine is a lysosomotropic detergent that induces cytoprotective autophagosome accumulation. Autophagy, 2008, 4, 487-499.	9.1	140
10	Annexin A4 and A6 induce membrane curvature and constriction during cell membrane repair. Nature Communications, 2017, 8, 1623.	12.8	128
11	BAMLET Activates a Lysosomal Cell Death Program in Cancer Cells. Molecular Cancer Therapeutics, 2010, 9, 24-32.	4.1	122
12	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. Autophagy, 2016, 12, 2213-2229.	9.1	118
13	Eradication of glioblastoma, and breast and colon carcinoma xenografts by Hsp70 depletion. Cancer Research, 2002, 62, 7139-42.	0.9	118
14	Overexpression of heat shock protein 70 in R6/2 Huntingtonâ€™s disease mice has only modest effects on disease progression. Brain Research, 2003, 970, 47-57.	2.2	117
15	ErbB2-Driven Breast Cancer Cell Invasion Depends on a Complex Signaling Network Activating Myeloid Zinc Finger-1-Dependent Cathepsin B Expression. Molecular Cell, 2012, 45, 764-776.	9.7	112
16	NBCn1 and NHE1 expression and activity in Î”NErbB2 receptor-expressing MCF-7 breast cancer cells: Contributions to pHi regulation and chemotherapy resistance. Experimental Cell Research, 2010, 316, 2538-2553.	2.6	111
17	Heat Shock Protein 70 Promotes Cancer Cell Viability by Safeguarding Lysosomal Integrity. Cell Cycle, 2004, 3, 1484-1485.	2.6	109
18	Depletion of Kinesin 5B Affects Lysosomal Distribution and Stability and Induces Peri-Nuclear Accumulation of Autophagosomes in Cancer Cells. PLoS ONE, 2009, 4, e4424.	2.5	98

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19	Inhibition of Chk1 by CEP-3891 Accelerates Mitotic Nuclear Fragmentation in Response to Ionizing Radiation. Cancer Research, 2004, 64, 9035-9040.	0.9	95
20	Apoptosome-Independent Activation of the Lysosomal Cell Death Pathway byCaspase-9. Molecular and Cellular Biology, 2006, 26, 7880-7891.	2.3	94
21	Repurposing Cationic Amphiphilic Antihistamines for Cancer Treatment. EBioMedicine, 2016, 9, 130-139.	6.1	92
22	Plasma membrane integrity in health and disease: significance and therapeutic potential. Cell Discovery, 2021, 7, 4.	6.7	92
23	Annexins induce curvature on free-edge membranes displaying distinct morphologies. Scientific Reports, 2018, 8, 10309.	3.3	80
24	A comprehensive siRNA screen for kinases that suppress macroautophagy in optimal growth conditions. Autophagy, 2011, 7, 892-903.	9.1	76
25	Annexins are instrumental for efficient plasma membrane repair in cancer cells. Seminars in Cell and Developmental Biology, 2015, 45, 32-38.	5.0	75
26	Annexins in plasma membrane repair. Biological Chemistry, 2016, 397, 961-969.	2.5	75
27	Annexin A7 is required for ESCRT III-mediated plasma membrane repair. Scientific Reports, 2019, 9, 6726.	3.3	73
28	Methods for the quantification of lysosomal membrane permeabilization: A hallmark of lysosomal cell death. Methods in Cell Biology, 2015, 126, 261-285.	1.1	66
29	Identification of Cytoskeleton-Associated Proteins Essential for Lysosomal Stability and Survival of Human Cancer Cells. PLoS ONE, 2012, 7, e45381.	2.5	63
30	Calcium electroporation and electrochemotherapy for cancer treatment: Importance of cell membrane composition investigated by lipidomics, calorimetry and in vitro efficacy. Scientific Reports, 2019, 9, 4758.	3.3	56
31	Sunitinib and SU11652 Inhibit Acid Sphingomyelinase, Destabilize Lysosomes, and Inhibit Multidrug Resistance. Molecular Cancer Therapeutics, 2013, 12, 2018-2030.	4.1	55
32	S100 and annexin proteins identify cell membrane damage as the Achilles heel of metastatic cancer cells. Cell Cycle, 2015, 14, 502-509.	2.6	54
33	The Na⁺/H⁺ Exchanger, NHE1, Differentially Regulates Mitogen-Activated Protein Kinase Subfamilies after Osmotic Shrinkage in Ehrlich Lettre Ascites Cells. Cellular Physiology and Biochemistry, 2007, 20, 735-750.	1.6	39
34	Curvature- and Phase-Induced Protein Sorting Quantified in Transfected Cell-Derived Giant Vesicles. ACS Nano, 2019, 13, 6689-6701.	14.6	37
35	Lack of neuroprotection by heat shock protein 70 overexpression in a mouse model of global cerebral ischemia. Experimental Brain Research, 2004, 154, 442-449.	1.5	35
36	Restructuring of the plasma membrane upon damage by LC3-associated macropinocytosis. Science Advances, 2021, 7, .	10.3	32

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37	Heat shock protein 70 inhibits shrinkage-induced programmed cell death via mechanisms independent of effects on cell volume-regulatory membrane transport proteins. Pflugers Archiv European Journal of Physiology, 2004, 449, 175-185.	2.8	29
38	Interdisciplinary Synergy to Reveal Mechanisms of Annexin-Mediated Plasma Membrane Shaping and Repair. Cells, 2020, 9, 1029.	4.1	28
39	Annexin A4 trimers are recruited by high membrane curvatures in giant plasma membrane vesicles. Soft Matter, 2021, 17, 308-318.	2.7	28
40	ErbB2â€associated changes in the lysosomal proteome. Proteomics, 2011, 11, 2830-2838.	2.2	23
41	Filopodia rotate and coil by actively generating twist in their actin shaft. Nature Communications, 2022, 13, 1636.	12.8	21
42	Annexins: players of single cell wound healing and regeneration. Communicative and Integrative Biology, 2019, 12, 162-165.	1.4	18
43	Phenothiazines alter plasma membrane properties andÂsensitize cancer cells to injury by inhibiting annexin-mediated repair. Journal of Biological Chemistry, 2021, 297, 101012.	3.4	16
44	Quantitative Profiling of Lysosomal Lipidome by Shotgun Lipidomics. Methods in Molecular Biology, 2017, 1594, 19-34.	0.9	15
45	Liprotides kill cancer cells by disrupting the plasma membrane. Scientific Reports, 2017, 7, 15129.	3.3	15
46	Actin Cytoskeletal Dynamics in Single-Cell Wound Repair. International Journal of Molecular Sciences, 2021, 22, 10886.	4.1	14
47	Quantification of Lysosomal Membrane Permeabilization by Cytosolic Cathepsin and Î²-N-Acetyl-Glucosaminidase Activity Measurements. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot086165.	0.3	12
48	Visualizing Lysosomal Membrane Permeabilization by Fluorescent Dextran Release: Figure 1.. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot086173.	0.3	12
49	Annexins A1 and A2 Accumulate and Are Immobilized at Cross-Linked Membraneâ€“Membrane Interfaces. Biochemistry, 2021, 60, 1248-1259.	2.5	12
50	Annexins Bend Wound Edges during Plasma Membrane Repair. Current Medicinal Chemistry, 2020, 27, 3600-3610.	2.4	11
51	Timescale of hole closure during plasma membrane repair estimated by calcium imaging and numerical modeling. Scientific Reports, 2021, 11, 4226.	3.3	9
52	Simultaneous membrane binding of Annexin A4 and A5 suppresses 2D lattice formation while maintaining curvature induction. Journal of Colloid and Interface Science, 2021, 600, 854-864.	9.4	9
53	Expression of a p16INK4a-specific ribozyme downmodulates p16INK4aabundance and accelerates cell proliferation. FEBS Letters, 1998, 436, 41-45.	2.8	8
54	A Method to Monitor Lysosomal Membrane Permeabilization by Immunocytochemistry. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot086181.	0.3	7

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55	Extracellular heat shock protein 70: A potential prognostic marker for chronic myeloid leukemia. Leukemia Research, 2009, 33, 205-206.	0.8	6
56	Methods for Probing Lysosomal Membrane Permeabilization. Cold Spring Harbor Protocols, 2015, 2015, pdb.top070367.	0.3	6
57	CHIP-dependent regulation of the actin cytoskeleton is linked to neuronal cell membrane integrity. IScience, 2021, 24, 102878.	4.1	6
58	Thermoplasmonic nano-rupture of cells reveals annexin V function in plasma membrane repair. Nanoscale, 2022, 14, 7778-7787.	5.6	5
59	Using Liprotides to Deliver Cholesterol to the Plasma Membrane. Journal of Membrane Biology, 2018, 251, 581-592.	2.1	4
60	Short-term transcriptomic response to plasma membrane injury. Scientific Reports, 2021, 11, 19141.	3.3	4
61	Effect of local thermoplasmonic heating on biological membranes. , 2019, , .		2
62	Investigating Plasma-Membrane Repair Employing Thermoplasmonics. Biophysical Journal, 2021, 120, 45a.	0.5	0
63	54 Anti-Cancer Agent Siramesine Induces Selective Cathepsin Induced Cell Death. Apmis, 2008, 116, 439-439.	2.0	0
64	Dominant Steady State Proteome Changes in the Absence of CHIP Highlight a Role in Neuronal Cell Membrane Integrity Linked to the Actin Cytoskeleton. SSRN Electronic Journal, 0, , .	0.4	0