Ursula Stochaj

List of Publications by Year
in descending order

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89 papers	2,662 citations	172457 29 h-index	214800 47 g-index
91 all docs	91 docs citations	91 times ranked	3910 citing authors

#	Article	IF	Citations
1	Cytoplasmic stress granules: Dynamic modulators of cell signaling and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 884-895.	3.8	203
2	Off to the Organelles - Killing Cancer Cells with Targeted Gold Nanoparticles. Theranostics, 2015, 5, 357-370.	10.0	148
3	Localization of AMP kinase is regulated by stress, cell density, and signaling through the MEKâ†'ERK1/2 pathway. American Journal of Physiology - Cell Physiology, 2007, 293, C1427-C1436.	4.6	126
4	Multiple mechanisms promote the inhibition of classical nuclear import upon exposure to severe oxidative stress. Cell Death and Differentiation, 2004, 11, 862-874.	11.2	114
5	The Cytoskeleton as Regulator of Cell Signaling Pathways. Trends in Biochemical Sciences, 2020, 45, 96-107.	7.5	84
6	Oxidative Stress Inhibits Nuclear Protein Export by Multiple Mechanisms That Target FG Nucleoporins and Crm1. Molecular Biology of the Cell, 2009, 20, 5106-5116.	2.1	80
7	Stressâ€mediated inhibition of the classical nuclear protein import pathway and nuclear accumulation of the small GTPase Gsp1p. FASEB Journal, 2000, 14, 2130-2132.	0.5	79
8	Stress inhibits nucleocytoplasmic shuttling of heat shock protein hsc70. American Journal of Physiology - Cell Physiology, 2005, 289, C1034-C1041.	4.6	74
9	A conserved phosphoprotein that specifically binds nuclear localization sequences is involved in nuclear import [published erratum appears in J Cell Biol 1992 Jul;118(1):215]. Journal of Cell Biology, 1992, 117, 473-482.	5.2	67
10	Age, atherosclerosis and type 2 diabetes reduce human mesenchymal stromal cell-mediated T-cell suppression. Stem Cell Research and Therapy, 2015, 6, 140.	5.5	65
11	Gold nanoparticles induce nuclear damage in breast cancer cells, which is further amplified by hyperthermia. Cellular and Molecular Life Sciences, 2014, 71, 4259-4273.	5.4	58
12	A yeast protein that binds nuclear localization signals: purification localization, and antibody inhibition of binding activity.. Journal of Cell Biology, 1991, 113, 1243-1254.	5.2	57
13	Nuclear Transport: A Switch for the Oxidative Stressâ€"Signaling Circuit?. Journal of Signal Transduction, 2012, 2012, 1-18.	2.0	56
14	Cellular senescence is associated with reorganization of the microtubule cytoskeleton. Cellular and Molecular Life Sciences, 2019, 76, 1169-1183.	5.4	56
15	Oxidative stress mislocalizes and retains transport factor importin-Î± and nucleoporins Nup153 and Nup88 in nuclei where they generate high molecular mass complexes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 405-418.	4.1	51
16	Mitochondrial Oxidative Stress Reduces the Immunopotency of Mesenchymal Stromal Cells in Adults With Coronary Artery Disease. Circulation Research, 2018, 122, 255-266.	4.5	46
17	Gold Nanoparticles Impinge on Nucleoli and the Stress Response in MCF7 Breast Cancer Cells. Nanobiomedicine, 2016, 3, 3.	5.7	43
18	Starvation Promotes Nuclear Accumulation of the hsp70 Ssa4p in Yeast Cells. Journal of Biological Chemistry, 2001, 276, 20261-20266.	3.4	41

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19	Curcumin nanoformulations to combat aging-related diseases. Ageing Research Reviews, 2021, 69, 101364.	10.9	41
20	Identification of Novel Stress Granule Components That Are Involved in Nuclear Transport. PLoS ONE, 2013, 8, e68356.	2.5	39
21	Dissecting the molecular mechanisms that impair stress granule formation in aging cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 475-486.	4.1	38
22	Nucleocytoplasmic traffic of proteins. European Journal of Cell Biology, 1992, 59, 1-11.	3.6	38
23	Heatâ€induced nuclear accumulation of hsc70 proteins is regulated by phosphorylation and inhibited in confluent cells. FASEB Journal, 2001, 15, 1478-1480.	0.5	36
24	Dissecting the Signaling Events That Impact Classical Nuclear Import and Target Nuclear Transport Factors. PLoS ONE, 2009, 4, e8420.	2.5	36
25	Computer-based fluorescence quantification: a novel approach to study nucleolar biology. BMC Cell Biology, 2011, 12, 25.	3.0	34
26	Hsc70 chaperone activity underlies Trio GEF function in axon growth and guidance induced by netrin-1. Journal of Cell Biology, 2015, 210, 817-832.	5.2	34
27	Dissection of the molecular mechanisms that control the nuclear accumulation of transport factors importin-Î± and CAS in stressed cells. Cellular and Molecular Life Sciences, 2008, 65, 1756-1767.	5.4	32
28	Chaperones and multitasking proteins in the nucleolus: networking together for survival?. Trends in Biochemical Sciences, 2010, 35, 361-367.	7.5	32
29	Impact of Leishmania Infection on Host Macrophage Nuclear Physiology and Nucleopore Complex Integrity. PLoS Pathogens, 2015, 11, e1004776.	4.7	32
30	Nucleolar Targeting of the Chaperone Hsc70 Is Regulated by Stress, Cell Signaling, and a Composite Targeting Signal Which Is Controlled by Autoinhibition. Journal of Biological Chemistry, 2010, 285, 21858-21867.	3.4	31
31	Inhibition of glioblastoma cell proliferation, invasion, and mechanism of action of a novel hydroxamic acid hybrid molecule. Cell Death Discovery, 2018, 4, 41.	4.7	30
32	Nucleocytoplasmic trafficking of proteins: With or without Ran?. BioEssays, 1999, 21, 579-589.	2.5	29
33	The carrier Msn5p/Kap142p promotes nuclear export of the hsp70 Ssa4p and relocates in response to stress. Molecular Microbiology, 2006, 62, 592-609.	2.5	28
34	Analysis of Signaling Events by Combining High-Throughput Screening Technology with Computer-Based Image Analysis. Science Signaling, 2008, 1, pl2.	3.6	28
35	AMP Kinase Activation Alters Oxidant-Induced Stress Granule Assembly by Modulating Cell Signaling and Microtubule Organization. Molecular Pharmacology, 2016, 90, 460-468.	2.3	27
36	In VivoAnalysis of Nuclear Protein Traffic in Mammalian Cells. Experimental Cell Research, 1997, 236, 346-350.	2.6	26

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37	Nucleoli and Stress Granules: Connecting Distant Relatives. Traffic, 2014, 15, 1179-1193.	2.7	26
38	5â€²-AMP-activated protein kinase alpha regulates stress granule biogenesis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1725-1737.	4.1	26
39	Diffusion of Proteins Across the Nuclear Envelope of HeLa Cells. BioTechniques, 1998, 24, 668-674.	1.8	24
40	Regulated nuclear accumulation of the yeast hsp70 Ssa4p in ethanolâ€stressed cells is mediated by the Nâ€terminal domain, requires the nuclear carrier Nmd5p and protein kinase C. FASEB Journal, 2004, 18, 899-901.	0.5	22
41	The localization of nuclear exporters of the importin-Î² family is regulated by Snf1 kinase, nutrient supply and stress. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 1052-1061.	4.1	21
42	Cytoplasmic RNA Granules in Somatic Maintenance. Gerontology, 2018, 64, 485-494.	2.8	21
43	Gold nanoclusters elicit homeostatic perturbations in glioblastoma cells and adaptive changes of lysosomes. Theranostics, 2020, 10, 1633-1648.	10.0	21
44	Nucleolar Organization and Functions in Health and Disease. Cells, 2020, 9, 526.	4.1	21
45	Analysis of conserved binding proteins for nuclear localization sequences. Journal of Cell Science, 1993, 104, 89-95.	2.0	21
46	Interplay between MEK and PI3 kinase signaling regulates the subcellular localization of protein kinases ERK1/2 and Akt upon oxidative stress. FEBS Letters, 2009, 583, 1987-1993.	2.8	20
47	Gold nanourchins and celastrol reorganize the nucleo- and cytoskeleton of glioblastoma cells. Nanoscale, 2018, 10, 1716-1726.	5.6	19
48	Nuclear Accumulation of the Small GTPase Gsp1p Depends on Nucleoporins Nup133p, Rat2p/Nup120p, Nup85p, Nic96p, and the Acetyl-CoA Carboxylase Acc1p. Journal of Biological Chemistry, 2003, 278, 25331-25340.	3.4	18
49	Pharmacological AMP-kinase activators have compartment-specific effects on cell physiology. American Journal of Physiology - Cell Physiology, 2011, 301, C1307-C1315.	4.6	18
50	Evaluation of Lanthanide-Doped Upconverting Nanoparticles for in Vitro and in Vivo Applications. ACS Applied Bio Materials, 2020, 3, 4358-4369.	4.6	18
51	Pharmacological AMP Kinase Activators Target the Nucleolar Organization and Control Cell Proliferation. PLoS ONE, 2014, 9, e88087.	2.5	18
52	Automated Detection and Quantification of Granular Cell Compartments. Microscopy and Microanalysis, 2013, 19, 617-628.	0.4	17
53	Detecting changes in the mitochondrial membrane potential by quantitative fluorescence microscopy. Protocol Exchange, 0, , .	0.3	17
54	The effects of lanthanide-doped upconverting nanoparticles on cancer cell biomarkers. Nanoscale, 2018, 10, 14464-14471.	5.6	16

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55	Targeting nanoparticles to malignant tumors. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188703.	7.4	15
56	Consistent sex-dependent effects of PKMÎ¶ gene ablation and pharmacological inhibition on the maintenance of referred pain. Molecular Pain, 2016, 12, 174480691667534.	2.1	14
57	Gold nanourchins induce cellular stress, impair proteostasis and damage RNA. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 22, 102083.	3.3	14
58	Monitoring Nuclear Transport in HeLa Cells Using the Green Fluorescent Protein. BioTechniques, 1996, 21, 62-63.	1.8	13
59	Traffic control at the nuclear pore. Nucleus, 2010, 1, 237-244.	2.2	13
60	Identification of Novel Markers That Demarcate the Nucleolus during Severe Stress and Chemotherapeutic Treatment. PLoS ONE, 2013, 8, e80237.	2.5	13
61	The N-terminal domain of the mammalian nucleoporin p62 interacts with other nucleoporins of the FXFG family during interphase. Experimental Cell Research, 2006, 312, 2490-2499.	2.6	12
62	The yeast nucleoporin Nsp1 binds nuclear localization sequences in vitro. Biochemistry and Cell Biology, 1996, 74, 363-372.	2.0	11
63	The small GTPase Gsp1p binds to the repeat domain of the nucleoporin Nsp1p. Biochemical Journal, 1998, 330, 421-427.	3.7	11
64	Traffic control at the nuclear pore. Nucleus, 2010, 1, 237-244.	2.2	11
65	AMP kinase: the missing link between type 2 diabetes and neurodegenerative diseases?. Trends in Molecular Medicine, 2011, 17, 613-614.	6.7	10
66	C6-pyridinium ceramide sensitizes SCC17B human head and neck squamous cell carcinoma cells to photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2015, 143, 163-168.	3.8	10
67	Targeting of the mammalian nucleoporin p62 to the nuclear envelope in the yeastSaccharomyces cerevisiaeand HeLa cells. Biochemistry and Cell Biology, 1999, 77, 355-365.	2.0	9
68	Ceramide synthase inhibitor fumonisin B1 inhibits apoptotic cell death in SCC17B human head and neck squamous carcinoma cells after Pc4 photosensitization. Photochemical and Photobiological Sciences, 2014, 13, 1621-1627.	2.9	8
69	The Co-Chaperone HspBP1 Is a Novel Component of Stress Granules that Regulates Their Formation. Cells, 2020, 9, 825.	4.1	7
70	Chaperones and Multitasking Proteins in the Nucleolus. , 2013, , 149-172.		7
71	MSC - targets for atherosclerosis therapy. Aging, 2018, 11, 285-286.	3.1	7
72	Monitoring the disruption of nuclear envelopes in interphase cells with GFP-beta-galactosidase. Journal of Biomolecular Techniques, 2005, 16, 235-8.	1.5	7

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73	Analysis of conserved binding proteins for nuclear localization sequences. Journal of Cell Science, 1993, 104 (Pt 1), 89-95.	2.0	7
74	Targeting AMPK for Therapeutic Intervention in Type 2 Diabetes. , 0, , .		6
75	How could gold nanourchins be applied in the clinic?. Nanomedicine, 2020, 15, 829-832.	3.3	6
76	Exploring the Nucleolar Proteome: Novel Concepts for Chaperone Trafficking and Function. Current Proteomics, 2011, 8, 59-82.	0.3	5
77	Data in support of 5â€²AMP-activated protein kinase alpha regulates stress granule biogenesis. Data in Brief, 2015, 4, 54-59.	1.0	5
78	Enhanced killing of SCC17B human head and neck squamous cell carcinoma cells after photodynamic therapy plus fenretinide via the de novo sphingolipid biosynthesis pathway and apoptosis. International Journal of Oncology, 2015, 46, 2003-2010.	3.3	5
79	Spatial Proteomics Sheds Light on the Biology of Nucleolar Chaperones. Current Proteomics, 2012, 9, 186-216.	0.3	4
80	Implications of multipotent mesenchymal stromal cell aging. Regenerative Medicine, 2013, 8, 211-222.	1.7	4
81	Data on the association of the nuclear envelope protein Sun1 with nucleoli. Data in Brief, 2017, 13, 115-123.	1.0	4
82	Exploring near-infrared absorbing nanocarriers to overcome cancer drug resistance. , 2020, 3, 302-333.		4
83	Optimized immunofluorescence staining protocol to detect the nucleoporin Nup98 in different subcellular compartments. Protocol Exchange, 0, , .	0.3	3
84	Quantitative analysis of the interplay between hsc70 and its co-chaperone HspBP1. PeerJ, 2015, 3, e1530.	2.0	3
85	Defining the short-term effects of pharmacological 5â€²-AMP activated kinase modulators on mitochondrial polarization, morphology and heterogeneity. PeerJ, 2018, 6, e5469.	2.0	3
86	Nuclear envelopes show cell-type specific sensitivity for the permeabilization with digitonin.. Protocol Exchange, 0, , .	0.3	2
87	Super-resolution microscopy reveals a golden kiss of death to mitochondria. Cell Death Discovery, 2016, 2, 16038.	4.7	1
88	Circumferin, a nuclear envelope protein that interacts with nucleoporins and is sensitive to stress. Biochemical Society Transactions, 2000, 28, A443-A443.	3.4	0
89	Abstract LB-024: Inactivation of the 25-hydroxyvitamin D(3)-1(alpha)-hydroxylase gene (CYP27B1): evidence for impaired vitamin D signaling in an MMTV-PYMT mouse model of breast cancer. , 2019, , .		0