

# Claudio Hetz

## List of Publications by Year in descending order

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207  
papers

35,979  
citations

10956

71  
h-index

3476

182  
g-index

221  
all docs

221  
docs citations

221  
times ranked

46569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assays to Study IRE1 Activation and Signaling. <i>Methods in Molecular Biology</i> , 2022, 2378, 141-168.	0.4	0
2	Stress-induced tyrosine phosphorylation of RtcB modulates IRE1 activity and signaling outputs. <i>Life Science Alliance</i> , 2022, 5, e202201379.	1.3	8
3	Proteostasis and resilience: on the interphase between individualâ€™s and intracellular stress. <i>Trends in Endocrinology and Metabolism</i> , 2022, 33, 305-317.	3.1	3
4	Mutation in protein disulfide isomerase A3 causes neurodevelopmental defects by disturbing endoplasmic reticulum proteostasis. <i>EMBO Journal</i> , 2022, 41, e105531.	3.5	11
5	A chosen STING with a PERKy trail. <i>Nature Cell Biology</i> , 2022, 24, 602-604.	4.6	2
6	Emerging roles of endoplasmic reticulum proteostasis in brain development. <i>Cells and Development</i> , 2022, 170, 203781.	0.7	5
7	Critical roles of protein disulfide isomerases in balancing proteostasis in the nervous system. <i>Journal of Biological Chemistry</i> , 2022, 298, 102087.	1.6	11
8	Cell death regulation by MAMs: from molecular mechanisms to therapeutic implications in cardiovascular diseases. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	20
9	Balancing energy and protein homeostasis at ER-mitochondria contact sites. <i>Science Signaling</i> , 2022, 15, .	1.6	17
10	Simultaneous determination of intraluminal lysosomal calcium and pH by dextran-conjugated fluorescent dyes. <i>Methods in Cell Biology</i> , 2021, 165, 199-208.	0.5	6
11	Disruption of Endoplasmic Reticulum Proteostasis in Age-Related Nervous System Disorders. <i>Progress in Molecular and Subcellular Biology</i> , 2021, 59, 239-278.	0.9	2
12	Therapeutic potential of insulin-like growth factor 2 in Huntingtonâ€™s disease: controlling proteostasis to alleviate the load of misfolded protein. <i>Neural Regeneration Research</i> , 2021, 16, 1564.	1.6	2
13	Endoplasmic reticulum stress and unfolded protein response in cardiovascular diseases. <i>Nature Reviews Cardiology</i> , 2021, 18, 499-521.	6.1	283
14	Protein disulfide isomerase ERp57 protects early muscle denervation in experimental ALS. <i>Acta Neuropathologica Communications</i> , 2021, 9, 21.	2.4	10
15	Adapting the proteostasis capacity to sustain brain healthspan. <i>Cell</i> , 2021, 184, 1545-1560.	13.5	61
16	Enforced dimerization between XBP1s and ATF6f enhances the protective effects of the UPR in models of neurodegeneration. <i>Molecular Therapy</i> , 2021, 29, 1862-1882.	3.7	25
17	DEF8 and Autophagy-Associated Genes Are Altered in Mild Cognitive Impairment, Probable Alzheimerâ€™s Disease Patients, and a Transgenic Model of the Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 82, S163-S178.	1.2	6
18	Retinal Ganglion Cells Functional Changes in a Mouse Model of Alzheimerâ€™s Disease Are Linked with Neurotransmitter Alterations. <i>Journal of Alzheimer's Disease</i> , 2021, 82, S5-S18.	1.2	6

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19	A phenolic-rich extract from Ugni molinae berries reduces abnormal protein aggregation in a cellular model of Huntingtonâ€™s disease. PLoS ONE, 2021, 16, e0254834.	1.1	7
20	Paradoxical implication of BAX/BAK in the persistence of tetraploid cells. Cell Death and Disease, 2021, 12, 1039.	2.7	7
21	Proteostasis deregulation as a driver of C9ORF72 pathogenesis. Journal of Neurochemistry, 2021, 159, 941.	2.1	2
22	Control of lysosomal-mediated cell death by the pH-dependent calcium channel RECS1. Science Advances, 2021, 7, eabe5469.	4.7	14
23	Proteostasis impairment and ER stress as a possible target to treat Parkinson's disease. International Review of Movement Disorders, 2021, 2, 245-260.	0.1	0
24	Inflammation-associated suppression of metabolic gene networks in acute and chronic liver disease. Archives of Toxicology, 2020, 94, 205-217.	1.9	32
25	Autophagy in hepatic adaptation to stress. Journal of Hepatology, 2020, 72, 183-196.	1.8	120
26	When Endoplasmic Reticulum Proteostasis Meets the DNA Damage Response. Trends in Cell Biology, 2020, 30, 881-891.	3.6	55
27	The UPRosome â€™ decoding novel biological outputs of IRE1â€™ function. Journal of Cell Science, 2020, 133, .	1.2	33
28	Getting intimate: Lysosomes and ER rendezvous to control autophagy. Cell Calcium, 2020, 91, 102249.	1.1	2
29	Mastering organismal aging through the endoplasmic reticulum proteostasis network. Aging Cell, 2020, 19, e13265.	3.0	30
30	Caveolin-1 suppresses tumor formation through the inhibition of the unfolded protein response. Cell Death and Disease, 2020, 11, 648.	2.7	19
31	Genotoxic stress triggers the activation of IRE1â€™-dependent RNA decay to modulate the DNA damage response. Nature Communications, 2020, 11, 2401.	5.8	62
32	Mechanisms, regulation and functions of the unfolded protein response. Nature Reviews Molecular Cell Biology, 2020, 21, 421-438.	16.1	1,129
33	Emerging roles of the unfolded protein response (UPR) in the nervous system: A link with adaptive behavior to environmental stress?. International Review of Cell and Molecular Biology, 2020, 350, 29-61.	1.6	18
34	Insulin-like growth factor 2 (IGF2) protects against Huntingtonâ€™s disease through the extracellular disposal of protein aggregates. Acta Neuropathologica, 2020, 140, 737-764.	3.9	43
35	Acute Pannexin 1 Blockade Mitigates Early Synaptic Plasticity Defects in a Mouse Model of Alzheimerâ€™s Disease. Frontiers in Cellular Neuroscience, 2020, 14, 46.	1.8	19
36	Small Molecules to Improve ER Proteostasis in Disease. Trends in Pharmacological Sciences, 2019, 40, 684-695.	4.0	59

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37	Pharmacological targeting of the unfolded protein response for disease intervention. <i>Nature Chemical Biology</i> , 2019, 15, 764-775.	3.9	188
38	The UFMylation System in Proteostasis and Beyond. <i>Trends in Cell Biology</i> , 2019, 29, 974-986.	3.6	97
39	The p75NTR neurotrophin receptor is required to organize the mature neuromuscular synapse by regulating synaptic vesicle availability. <i>Acta Neuropathologica Communications</i> , 2019, 7, 147.	2.4	13
40	Î2-catenin aggregation in models of ALS motor neurons: GSK3Î2 inhibition effect and neuronal differentiation. <i>Neurobiology of Disease</i> , 2019, 130, 104497.	2.1	16
41	Non-canonical function of IRE1Î± determines mitochondria-associated endoplasmic reticulum composition to control calcium transfer and bioenergetics. <i>Nature Cell Biology</i> , 2019, 21, 755-767.	4.6	168
42	Emerging Roles of the Endoplasmic Reticulum Associated Unfolded Protein Response in Cancer Cell Migration and Invasion. <i>Cancers</i> , 2019, 11, 631.	1.7	60
43	Targeting of the unfolded protein response (UPR) as therapy for Parkinson's disease. <i>Biology of the Cell</i> , 2019, 111, 161-168.	0.7	36
44	Saved by the Matrix: UPR Independent Survival under ER Stress. <i>Cell</i> , 2019, 179, 1246-1248.	13.5	6
45	Brain organoids: a next step for humanized Alzheimer's disease models?. <i>Molecular Psychiatry</i> , 2019, 24, 474-478.	4.1	50
46	ER stress links aging to sporadic ALS. <i>Aging</i> , 2019, 11, 5-6.	1.4	10
47	Gene Therapy Strategies to Restore ER Proteostasis in Disease. <i>Molecular Therapy</i> , 2018, 26, 1404-1413.	3.7	35
48	Interactome Screening Identifies the ER Luminal Chaperone Hsp47 as a Regulator of the Unfolded Protein Response Transducer IRE1Î±. <i>Molecular Cell</i> , 2018, 69, 238-252.e7.	4.5	127
49	Targeting PERK signaling with the small molecule GSK2606414 prevents neurodegeneration in a model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2018, 112, 136-148.	2.1	123
50	Homeostatic interplay between FoxO proteins and ER proteostasis in cancer and other diseases. <i>Seminars in Cancer Biology</i> , 2018, 50, 42-52.	4.3	10
51	Unraveling the role of motoneuron autophagy in ALS. <i>Autophagy</i> , 2018, 14, 733-737.	4.3	14
52	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
53	Genome-wide circulating microRNA expression profiling reveals potential biomarkers for amyotrophic lateral sclerosis. <i>Neurobiology of Aging</i> , 2018, 64, 123-138.	1.5	53
54	(off)Targeting UPR signaling: the race toward intervening ER proteostasis. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 97-100.	1.5	8

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55	Dual IRE1 and RNase functions dictate glioblastoma development. EMBO Molecular Medicine, 2018, 10, .	3.3	130
56	A decay of the adaptive capacity of the unfolded protein response exacerbates Alzheimer's disease. Neurobiology of Aging, 2018, 63, 162-164.	1.5	15
57	Calcium signaling at the endoplasmic reticulum: fine-tuning stress responses. Cell Calcium, 2018, 70, 24-31.	1.1	216
58	The Unfolded Protein Response and Cell Fate Control. Molecular Cell, 2018, 69, 169-181.	4.5	1,014
59	Emerging roles of ER stress in the etiology and pathogenesis of Alzheimer's disease. FEBS Journal, 2018, 285, 995-1011.	2.2	189
60	Interplay Between the Unfolded Protein Response and Immune Function in the Development of Neurodegenerative Diseases. Frontiers in Immunology, 2018, 9, 2541.	2.2	32
61	Cyclosporine A binding to COX-2 reveals a novel signaling pathway that activates the IRE1 $\pm$ unfolded protein response sensor. Scientific Reports, 2018, 8, 16678.	1.6	16
62	Endoplasmic reticulum stress signalling and the pathogenesis of non-alcoholic fatty liver disease. Journal of Hepatology, 2018, 69, 927-947.	1.8	569
63	ER Proteostasis Control of Neuronal Physiology and Synaptic Function. Trends in Neurosciences, 2018, 41, 610-624.	4.2	80
64	Endoplasmic reticulum stress leads to accumulation of wild-type SOD1 aggregates associated with sporadic amyotrophic lateral sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8209-8214.	3.3	88
65	IRE1 $\pm$ governs cytoskeleton remodelling and cell migration through a direct interaction with filamin A. Nature Cell Biology, 2018, 20, 942-953.	4.6	98
66	A new model to study cell-to-cell transfer of I $\pm$ Synuclein in vivo. Biochemical and Biophysical Research Communications, 2018, 503, 1385-1393.	1.0	7
67	ER stress sensing mechanism: Putting off the brake on UPR transducers. Oncotarget, 2018, 9, 19461-19462.	0.8	11
68	The ER proteostasis network in ALS: Determining the differential motoneuron vulnerability. Neuroscience Letters, 2017, 636, 9-15.	1.0	33
69	Autophagosomes cooperate in the degradation of intracellular C-terminal fragments of the amyloid precursor protein <i>via</i> the MVB/lysosomal pathway. FASEB Journal, 2017, 31, 2446-2459.	0.2	47
70	Endoplasmic reticulum proteostasis impairment in aging. Aging Cell, 2017, 16, 615-623.	3.0	177
71	BCL-2 family: integrating stress responses at the ER to control cell demise. Cell Death and Differentiation, 2017, 24, 1478-1487.	5.0	184
72	The Endoplasmic Reticulum Chaperone GRP78/BiP Modulates Prion Propagation in vitro and in vivo. Scientific Reports, 2017, 7, 44723.	1.6	73

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73	IRE1 signaling exacerbates Alzheimer's disease pathogenesis. <i>Acta Neuropathologica</i> , 2017, 134, 489-506.	3.9	147
74	Endoplasmic reticulum proteostasis in glioblastoma—From molecular mechanisms to therapeutic perspectives. <i>Science Signaling</i> , 2017, 10, .	1.6	107
75	Disulfide cross-linked multimers of TDP-43 and spinal motoneuron loss in a TDP-43A315T ALS/FTD mouse model. <i>Scientific Reports</i> , 2017, 7, 14266.	1.6	18
76	ER Stress and Neurodegenerative Disease: A Cause or Effect Relationship?. <i>Current Topics in Microbiology and Immunology</i> , 2017, 414, 131-157.	0.7	29
77	ER stress and the unfolded protein response in neurodegeneration. <i>Nature Reviews Neurology</i> , 2017, 13, 477-491.	4.9	656
78	Proteostasis disturbance in amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2017, 26, R91-R104.	1.4	35
79	ER stress in neurodegenerative disease: from disease mechanisms to therapeutic interventions. <i>Endoplasmic Reticulum Stress in Diseases</i> , 2017, 4, .	0.2	5
80	Drug repurposing to target proteostasis and prevent neurodegeneration: accelerating translational efforts. <i>Brain</i> , 2017, 140, 1544-1547.	3.7	17
81	Fine-Tuning ER Stress Signal Transducers to Treat Amyotrophic Lateral Sclerosis. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 216.	1.4	18
82	The Unfolded Protein Response: At the Intersection between Endoplasmic Reticulum Function and Mitochondrial Bioenergetics. <i>Frontiers in Oncology</i> , 2017, 7, 55.	1.3	35
83	Fine-tuning PERK signaling to control cell fate under stress. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 789-790.	3.6	16
84	Commentary: XBP-1 Is a Cell-Nonautonomous Regulator of Stress Resistance and Longevity. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 182.	1.7	5
85	<scp>ALS</scp> linked protein disulfide isomerase variants cause motor dysfunction. <i>EMBO Journal</i> , 2016, 35, 845-865.	3.5	109
86	PERK regulated miR-424(322)-503 cluster fine-tunes activation of IRE1 and ATF6 during Unfolded Protein Response. <i>Scientific Reports</i> , 2016, 5, 18304.	1.6	35
87	NF- $\kappa$ B is a central regulator of protein quality control in response to protein aggregation stresses via autophagy modulation. <i>Molecular Biology of the Cell</i> , 2016, 27, 1712-1727.	0.9	40
88	Injury to the nervous system: A look into the ER. <i>Brain Research</i> , 2016, 1648, 617-625.	1.1	23
89	Endoplasmic Reticulum Stress and the Hallmarks of Cancer. <i>Trends in Cancer</i> , 2016, 2, 252-262.	3.8	406
90	Gene therapy to target ER stress in brain diseases. <i>Brain Research</i> , 2016, 1648, 561-570.	1.1	31

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91	PREFACE: Divergent roles of ER stress in neurodegeneration and brain disorders. Brain Research, 2016, 1648, 527-529.	1.1	1
92	Glucose Metabolism: A Sweet Relief of Alzheimer's Disease. Current Biology, 2016, 26, R806-R809.	1.8	62
93	Activation of the unfolded protein response promotes axonal regeneration after peripheral nerve injury. Scientific Reports, 2016, 6, 21709.	1.6	76
94	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
95	The intersection between growth factors, autophagy and ER stress: A new target to treat neurodegenerative diseases?. Brain Research, 2016, 1649, 173-180.	1.1	43
96	ERp57 as a novel cellular factor controlling prion protein biosynthesis: Therapeutic potential of protein disulfide isomerases. Prion, 2016, 10, 50-56.	0.9	8
97	Regulation of Memory Formation by the Transcription Factor XBP1. Cell Reports, 2016, 14, 1382-1394.	2.9	142
98	Mystery solved: Trehalose kickstarts autophagy by blocking glucose transport. Science Signaling, 2016, 9, fs2.	1.6	79
99	Targeting endoplasmic reticulum acetylation to restore proteostasis in Alzheimer's disease. Brain, 2016, 139, 650-652.	3.7	7
100	ERp57 in neurodegeneration and regeneration. Neural Regeneration Research, 2016, 11, 232.	1.6	43
101	Bursting the unfolded protein response accelerates axonal regeneration. Neural Regeneration Research, 2016, 11, 892.	1.6	3
102	ER proteostasis disturbances in Parkinson's disease: novel insights. Frontiers in Aging Neuroscience, 2015, 7, 39.	1.7	25
103	Functional Role of the Disulfide Isomerase ERp57 in Axonal Regeneration. PLoS ONE, 2015, 10, e0136620.	1.1	70
104	When the Good Turns Bad. , 2015, , 259-272.		0
105	Meet Our Associate Editor:. Current Molecular Medicine, 2015, 15, 509-509.	0.6	0
106	Theme Series " UPR in cancer. Seminars in Cancer Biology, 2015, 33, 1-2.	4.3	6
107	ER stress signaling and neurodegeneration: At the intersection between Alzheimer's disease and Prion-related disorders. Virus Research, 2015, 207, 69-75.	1.1	28
108	Targeting the unfolded protein response for disease intervention. Expert Opinion on Therapeutic Targets, 2015, 19, 1203-1218.	1.5	59

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109	Proteostasis control by the unfolded protein response. <i>Nature Cell Biology</i> , 2015, 17, 829-838.	4.6	583
110	ER proteostasis addiction in cancer biology: Novel concepts. <i>Seminars in Cancer Biology</i> , 2015, 33, 40-47.	4.3	40
111	Endoplasmic Reticulum Stress-Activated Cell Reprogramming in Oncogenesis. <i>Cancer Discovery</i> , 2015, 5, 586-597.	7.7	292
112	Identification of rare protein disulfide isomerase gene variants in amyotrophic lateral sclerosis patients. <i>Gene</i> , 2015, 566, 158-165.	1.0	70
113	<sc>RNA</sc> metabolism: putting the brake on the <sc>UPR</sc>. <i>EMBO Reports</i> , 2015, 16, 545-546.	2.0	6
114	The Protein-disulfide Isomerase ERp57 Regulates the Steady-state Levels of the Prion Protein. <i>Journal of Biological Chemistry</i> , 2015, 290, 23631-23645.	1.6	48
115	Peroxisomes Get Loud: A Redox Antidote to Hearing Loss. <i>Cell</i> , 2015, 163, 790-791.	13.5	8
116	Control of systemic proteostasis by the nervous system. <i>Trends in Cell Biology</i> , 2015, 25, 1-10.	3.6	31
117	Gene therapy in Parkinson's disease: targeting the endoplasmic reticulum proteostasis network. <i>Neural Regeneration Research</i> , 2015, 10, 1053.	1.6	8
118	Memory loss in Alzheimer's disease: are the alterations in the UPR network involved in the cognitive impairment?. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 8.	1.7	34
119	A new method to measure autophagy flux in the nervous system. <i>Autophagy</i> , 2014, 10, 710-714.	4.3	28
120	Modeling UPR adaptive responses. <i>Nature Chemical Biology</i> , 2014, 10, 879-880.	3.9	3
121	<sc>RESET</sc> ing <sc>ER</sc> proteostasis: selective stress pathway hidden in the secretory route. <i>EMBO Journal</i> , 2014, 33, 2444-2446.	3.5	7
122	Cellular Mechanisms of Endoplasmic Reticulum Stress Signaling in Health and Disease. 1. An overview. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C582-C594.	2.1	147
123	Autophagy meets fused in sarcoma-positive stress granules. <i>Neurobiology of Aging</i> , 2014, 35, 2832-2835.	1.5	14
124	Disturbance of endoplasmic reticulum proteostasis in neurodegenerative diseases. <i>Nature Reviews Neuroscience</i> , 2014, 15, 233-249.	4.9	599
125	A Novel ER Stress-Independent Function of the UPR in Angiogenesis. <i>Molecular Cell</i> , 2014, 54, 542-544.	4.5	30
126	Control of dopaminergic neuron survival by the unfolded protein response transcription factor XBP1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6804-6809.	3.3	183



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127	Addicted to secrete "novel concepts and targets in cancer therapy. Trends in Molecular Medicine, 2014, 20, 242-250.	3.5	72
128	Pathogenic role of BECN1/Beclin 1 in the development of amyotrophic lateral sclerosis. Autophagy, 2014, 10, 1256-1271.	4.3	89
129	Targeting autophagy in neurodegenerative diseases. Trends in Pharmacological Sciences, 2014, 35, 583-591.	4.0	130
130	Cell-Nonautonomous Control of the UPR: Mastering Energy Homeostasis. Cell Metabolism, 2014, 20, 385-387.	7.2	7
131	The transcription factor CHOP, a central component of the transcriptional regulatory network induced upon CCl4 intoxication in mouse liver, is not a critical mediator of hepatotoxicity. Archives of Toxicology, 2014, 88, 1267-1280.	1.9	58
132	Interplay Between the Oxidoreductase PDIA6 and microRNA-322 Controls the Response to Disrupted Endoplasmic Reticulum Calcium Homeostasis. Science Signaling, 2014, 7, ra54.	1.6	92
133	Common Ground: Stem Cell Approaches Find Shared Pathways Underlying ALS. Cell Stem Cell, 2014, 14, 697-699.	5.2	24
134	When ER stress reaches a dead end. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3507-3517.	1.9	367
135	Targeting the unfolded protein response in disease. Nature Reviews Drug Discovery, 2013, 12, 703-719.	21.5	765
136	Proteostasis Impairment: At the Intersection between Alzheimer's Disease and Diabetes. Cell Metabolism, 2013, 18, 771-772.	7.2	6
137	Herp depletion protects from protein aggregation by up-regulating autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3295-3305.	1.9	32
138	A failure in energy metabolism and antioxidant uptake precede symptoms of Huntington's disease in mice. Nature Communications, 2013, 4, 2917.	5.8	96
139	Bax Inhibitor-1-mediated Ca <sup>2+</sup> leak is decreased by cytosolic acidosis. Cell Calcium, 2013, 54, 186-192.	1.1	28
140	An ERcentric view of Parkinson's disease. Trends in Molecular Medicine, 2013, 19, 165-175.	3.5	169
141	The unfolded protein response in Alzheimer's disease. Seminars in Immunopathology, 2013, 35, 277-292.	2.8	102
142	The biological meaning of the UPR. Nature Reviews Molecular Cell Biology, 2013, 14, 404-404.	16.1	25
143	Unspliced XBP1 controls autophagy through FoxO1. Cell Research, 2013, 23, 463-464.	5.7	29
144	ER Dysfunction and Protein Folding Stress in ALS. International Journal of Cell Biology, 2013, 2013, 1-12.	1.0	88

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145	Trehalose delays the progression of amyotrophic lateral sclerosis by enhancing autophagy in motoneurons. <i>Autophagy</i> , 2013, 9, 1308-1320.	4.3	295
146	Role of the unfolded protein response in organ physiology: Lessons from mouse models. <i>IUBMB Life</i> , 2013, 65, 962-975.	1.5	54
147	Functional Contribution of the Transcription Factor ATF4 to the Pathogenesis of Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2013, 8, e66672.	1.1	79
148	BH3-only proteins are part of a regulatory network that control the sustained signalling of the unfolded protein response sensor IRE1 $\beta$ . <i>EMBO Journal</i> , 2012, 31, 2322-2335.	3.5	99
149	Crosstalk between the UPR and autophagy pathway contributes to handling cellular stress in neurodegenerative disease. <i>Autophagy</i> , 2012, 8, 970-972.	4.3	47
150	Bax channel inhibitors prevent mitochondrion-mediated apoptosis and protect neurons in a model of global brain ischemia.. <i>Journal of Biological Chemistry</i> , 2012, 287, 44108.	1.6	1
151	Protein disulfide isomerases in neurodegeneration: From disease mechanisms to biomedical applications. <i>FEBS Letters</i> , 2012, 586, 2826-2834.	1.3	87
152	AAV-mediated delivery of the transcription factor XBP1s into the striatum reduces mutant Huntingtin aggregation in a mouse model of Huntington's disease. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 558-563.	1.0	76
153	Targeting the UPR transcription factor XBP1 protects against Huntington's disease through the regulation of FoxO1 and autophagy. <i>Human Molecular Genetics</i> , 2012, 21, 2245-2262.	1.4	253
154	Autophagy impairment: a crossroad between neurodegeneration and tauopathies. <i>BMC Biology</i> , 2012, 10, 78.	1.7	33
155	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
156	Cell-intrinsic control of the UPR. <i>EMBO Reports</i> , 2012, 13, 767-768.	2.0	4
157	Hormesis. <i>Autophagy</i> , 2012, 8, 997-1001.	4.3	67
158	Altered Prion Protein Expression Pattern in CSF as a Biomarker for Creutzfeldt-Jakob Disease. <i>PLoS ONE</i> , 2012, 7, e36159.	1.1	34
159	A BAX/BAK and Cyclophilin D-Independent Intrinsic Apoptosis Pathway. <i>PLoS ONE</i> , 2012, 7, e37782.	1.1	33
160	The unfolded protein response: controlling cell fate decisions under ER stress and beyond. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 89-102.	16.1	3,080
161	Astrocytic $\alpha$ 2 $\beta$ 1 Integrin Inhibits Neurite Outgrowth and Promotes Retraction of Neuronal Processes by Clustering Thy-1. <i>PLoS ONE</i> , 2012, 7, e34295.	1.1	56
162	Lack of Activation of the Unfolded Protein Response in Mouse and Cellular Models of Niemann-Pick Type C Disease. <i>Neurodegenerative Diseases</i> , 2011, 8, 124-128.	0.8	11

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163	Amyloid $\beta$ -Peptide Oligomers Stimulate RyR-Mediated $\text{Ca}^{2+}$ Release Inducing Mitochondrial Fragmentation in Hippocampal Neurons and Prevent RyR-Mediated Dendritic Spine Remodeling Produced by BDNF. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1209-1223.	2.5	118
164	Modulating stress responses by the UPRosome: A matter of life and death. <i>Trends in Biochemical Sciences</i> , 2011, 36, 329-337.	3.7	225
165	Oxidative stress activates the c-Abl/p73 proapoptotic pathway in Niemann-Pick type C neurons. <i>Neurobiology of Disease</i> , 2011, 41, 209-218.	2.1	54
166	Integrating stress signals at the endoplasmic reticulum: The BCL-2 protein family rheostat. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 564-574.	1.9	142
167	Protein folding stress in neurodegenerative diseases: a glimpse into the ER. <i>Current Opinion in Cell Biology</i> , 2011, 23, 239-252.	2.6	200
168	Protein homeostasis networks in physiology and disease. <i>Current Opinion in Cell Biology</i> , 2011, 23, 123-125.	2.6	32
169	The Unfolded Protein Response: Integrating Stress Signals Through the Stress Sensor IRE1 $\pm$ . <i>Physiological Reviews</i> , 2011, 91, 1219-1243.	13.1	498
170	Abnormal calcium homeostasis and protein folding stress at the ER. <i>Communicative and Integrative Biology</i> , 2011, 4, 258-261.	0.6	33
171	Targeting autophagy in ALS: A complex mission. <i>Autophagy</i> , 2011, 7, 450-453.	4.3	34
172	Axonal Degeneration Is Mediated by the Mitochondrial Permeability Transition Pore. <i>Journal of Neuroscience</i> , 2011, 31, 966-978.	1.7	182
173	BAX inhibitor-1 regulates autophagy by controlling the IRE1 $\pm$ branch of the unfolded protein response. <i>EMBO Journal</i> , 2011, 30, 4465-4478.	3.5	105
174	Prion Protein Misfolding Affects Calcium Homeostasis and Sensitizes Cells to Endoplasmic Reticulum Stress. <i>PLoS ONE</i> , 2010, 5, e15658.	1.1	71
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