Janine Kirstein

List of Publications by Year
in descending order

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46 papers	2,857 citations	257450 24 h-index	233421 45 g-index
49 all docs	49 docs citations	49 times ranked	3680 citing authors

#	Article	IF	Citations
1	Crucial HSP70 co-chaperone complex unlocks metazoan protein disaggregation. Nature, 2015, 524, 247-251.	27.8	320
2	Metazoan Hsp70 machines use Hsp110 to power protein disaggregation. EMBO Journal, 2012, 31, 4221-4235.	7.8	284
3	Adapting the machine: adaptor proteins for Hsp100/Clp and AAA+ proteases. Nature Reviews Microbiology, 2009, 7, 589-599.	28.6	232
4	The antibiotic ADEP reprogrammes ClpP, switching it from a regulated to an uncontrolled protease. EMBO Molecular Medicine, 2009, 1, 37-49.	6.9	196
5	Protein disaggregation by the AAA+ chaperone ClpB involves partial threading of looped polypeptide segments. Nature Structural and Molecular Biology, 2008, 15, 641-650.	8.2	139
6	The nascent polypeptide-associated complex is a key regulator of proteostasis. EMBO Journal, 2013, 32, 1451-1468.	7.8	131
7	Adaptor protein controlled oligomerization activates the AAA+ protein ClpC. EMBO Journal, 2006, 25, 1481-1491.	7.8	127
8	Complete suppression of Htt fibrilization and disaggregation of Htt fibrils by a trimeric chaperone complex. EMBO Journal, 2018, 37, 282-299.	7.8	115
9	A tyrosine kinase and its activator control the activity of the CtsR heat shock repressor in B. subtilis. EMBO Journal, 2005, 24, 3435-3445.	7.8	108
10	In-Depth Profiling of the LiaR Response of Bacillus subtilis. Journal of Bacteriology, 2010, 192, 4680-4693.	2.2	107
11	The tyrosine kinase McsB is a regulated adaptor protein for ClpCP. EMBO Journal, 2007, 26, 2061-2070.	7.8	95
12	Fine-Tuning in Regulation of Clp Protein Content in Bacillus subtilis. Journal of Bacteriology, 2004, 186, 179-191.	2.2	80
13	Proteotoxic stress and ageing triggers the loss of redox homeostasis across cellular compartments. EMBO Journal, 2015, 34, 2334-2349.	7.8	78
14	Interactome Mapping Provides a Network of Neurodegenerative Disease Proteins and Uncovers Widespread Protein Aggregation in Affected Brains. Cell Reports, 2020, 32, 108050.	6.4	64
15	Reduced Insulin/IGF-1 Signaling Restores the Dynamic Properties of Key Stress Granule Proteins during Aging. Cell Reports, 2017, 18, 454-467.	6.4	54
16	In vivo properties of the disaggregase function of Jâ€proteins and Hsc70 in Caenorhabditis elegans stress and aging. Aging Cell, 2017, 16, 1414-1424.	6.7	53
17	mHTT Seeding Activity: A Marker of Disease Progression and Neurotoxicity in Models of Huntingtonâ€™s Disease. Molecular Cell, 2018, 71, 675-688.e6.	9.7	50
18	Localization of general and regulatory proteolysis in Bacillus subtilis cells. Molecular Microbiology, 2008, 70, 682-694.	2.5	48

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19	Cyanobacterial ClpC/HSP100 Protein Displays Intrinsic Chaperone Activity. Journal of Biological Chemistry, 2006, 281, 5468-5475.	3.4	46
20	Caenorhabditis elegans as a model system to study intercompartmental proteostasis: Interrelation of mitochondrial function, longevity, and neurodegenerative diseases. Developmental Dynamics, 2010, 239, 1529-1538.	1.8	44
21	A New Tyrosine Phosphorylation Mechanism Involved in Signal Transduction in <i>Bacillus subtilis</i>. Journal of Molecular Microbiology and Biotechnology, 2005, 9, 182-188.	1.0	43
22	Substrate recognition and processing by a Walker B mutant of the human mitochondrial AAA+ protein CLPX. Journal of Structural Biology, 2012, 179, 193-201.	2.8	42
23	Dynamic recruitment of ubiquitin to mutant huntingtin inclusion bodies. Scientific Reports, 2018, 8, 1405.	3.3	27
24	Binding of Ïƒ A and Ïƒ B to Core RNA Polymerase after Environmental Stress in Bacillus subtilis. Journal of Bacteriology, 2003, 185, 35-40.	2.2	25
25	ATM phosphorylation of the actin-binding protein drebrin controls oxidation stress-resistance in mammalian neurons and C. elegans. Nature Communications, 2019, 10, 486.	12.8	25
26	Conserved residues in the Nâ€domain of the AAA+ chaperone ClpA regulate substrate recognition and unfolding. FEBS Journal, 2008, 275, 1400-1410.	4.7	24
27	Reducing INS-IGF1 signaling protects against non-cell autonomous vesicle rupture caused by SNCA spreading. Autophagy, 2020, 16, 878-899.	9.1	22
28	Peptides Signal Mitochondrial Stress. Cell Metabolism, 2010, 11, 177-178.	16.2	16
29	J-domain proteins interaction with neurodegenerative disease-related proteins. Experimental Cell Research, 2021, 399, 112491.	2.6	16
30	Interrelation Between Protein Synthesis, Proteostasis and Life Span. Current Genomics, 2014, 15, 66-75.	1.6	16
31	The cellular modifier MOAGâ€4/SERF drives amyloid formation through charge complementation. EMBO Journal, 2021, 40, e107568.	7.8	15
32	Novel amyloid-beta pathology C. elegans model reveals distinct neurons as seeds of pathogenicity. Progress in Neurobiology, 2021, 198, 101907.	5.7	14
33	Crosstalk Between Chaperone-Mediated Protein Disaggregation and Proteolytic Pathways in Aging and Disease. Frontiers in Aging Neuroscience, 2019, 11, 9.	3.4	12
34	Cellular strategies to cope with protein aggregation. Essays in Biochemistry, 2016, 60, 153-161.	4.7	11
35	Interplay between redox and protein homeostasis. Worm, 2016, 5, e1170273.	1.0	11
36	The noncanonical small heat shock protein HSP-17 from Caenorhabditis elegans is a selective protein aggregase. Journal of Biological Chemistry, 2020, 295, 3064-3079.	3.4	9

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37	Collapse of redox homeostasis during aging and stress. Molecular and Cellular Oncology, 2016, 3, e1091060.	0.7	6
38	Exposure of a cryptic Hsp70 binding site determines the cytotoxicity of the ALS-associated SOD1-mutant A4V. Protein Engineering, Design and Selection, 2019, 32, 443-457.	2.1	6
39	An Expanded Polyproline Domain Maintains Mutant Huntingtin Soluble in vivo and During Aging. Frontiers in Molecular Neuroscience, 2021, 14, 721749.	2.9	6
40	Ribosome-associated chaperones act as proteostasis sentinels. Cell Cycle, 2013, 12, 2335-2336.	2.6	5
41	Characterization of Amyloid Structures in Aging C. Elegans Using Fluorescence Lifetime Imaging. Journal of Visualized Experiments, 2020, , .	0.3	5
42	The Thyroid Hormone Transporter Mct8 Restricts Cathepsin-Mediated Thyroglobulin Processing in Male Mice through Thyroid Auto-Regulatory Mechanisms That Encompass Autophagy. International Journal of Molecular Sciences, 2021, 22, 462.	4.1	5
43	In Vivo Quantification of Protein Turnover in Aging C. Elegans using Photoconvertible Dendra2. Journal of Visualized Experiments, 2020, , .	0.3	4
44	Structural Characterization of the Mechanism of Aggregation and Disaggregation of Huntingtin. Biophysical Journal, 2018, 114, 427a.	0.5	0
45	Structural Characterization of Huntingtin: Mechanism of Aggregation and Disaggregation. Biophysical Journal, 2020, 118, 216a.	0.5	0
46	Monocarboxylate transporter 8 deficiency leads to autophagy-induced persistent cathepsin-mediated thyroglobulin processing triggered by insufficient L-type amino acid transporter 2 functionality. Endocrine Abstracts, 0, , .	0.0	0