

Anne Bertolotti

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

7,618
citations

304368

22
h-index

433756

31
g-index

35
all docs

35
docs citations

35
times ranked

10584
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic interaction of BiP and ER stress transducers in the unfolded-protein response. <i>Nature Cell Biology</i> , 2000, 2, 326-332.	4.6	2,397
2	Perk Is Essential for Translational Regulation and Cell Survival during the Unfolded Protein Response. <i>Molecular Cell</i> , 2000, 5, 897-904.	4.5	1,746
3	Sustained translational repression by eIF2 γ -P mediates prion neurodegeneration. <i>Nature</i> , 2012, 485, 507-511.	13.7	538
4	Selective Inhibition of a Regulatory Subunit of Protein Phosphatase 1 Restores Proteostasis. <i>Science</i> , 2011, 332, 91-94.	6.0	475
5	Prion-like propagation of mutant superoxide dismutase-1 misfolding in neuronal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3548-3553.	3.3	421
6	Preventing proteostasis diseases by selective inhibition of a phosphatase regulatory subunit. <i>Science</i> , 2015, 348, 239-242.	6.0	358
7	Regulation of proteasome assembly and activity in health and disease. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 697-712.	16.1	320
8	Failure of Amino Acid Homeostasis Causes Cell Death following Proteasome Inhibition. <i>Molecular Cell</i> , 2012, 48, 242-253.	4.5	264
9	An evolutionarily conserved pathway controls proteasome homeostasis. <i>Nature</i> , 2016, 536, 184-189.	13.7	167
10	Critical Role of the Proline-rich Region in Huntingtin for Aggregation and Cytotoxicity in Yeast*. <i>Journal of Biological Chemistry</i> , 2006, 281, 35608-35615.	1.6	118
11	Exposure of Hydrophobic Surfaces Initiates Aggregation of Diverse ALS-Causing Superoxide Dismutase-1 Mutants. <i>Journal of Molecular Biology</i> , 2010, 399, 512-525.	2.0	111
12	Target-Based Discovery of an Inhibitor of the Regulatory Phosphatase PPP1R15B. <i>Cell</i> , 2018, 174, 1216-1228.e19.	13.5	103
13	Decoding the selectivity of eIF2 γ holophosphatases and PPP1R15A inhibitors. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 708-716.	3.6	76
14	An Inducible Chaperone Adapts Proteasome Assembly to Stress. <i>Molecular Cell</i> , 2014, 55, 566-577.	4.5	67
15	Coping with Protein Quality Control Failure. <i>Annual Review of Cell and Developmental Biology</i> , 2017, 33, 439-465.	4.0	65
16	Surviving protein quality control catastrophes “ from cells to organisms. <i>Journal of Cell Science</i> , 2015, 128, 3861-9.	1.2	51
17	Targeting expression of expanded polyglutamine proteins to the endoplasmic reticulum or mitochondria prevents their aggregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9648-9653.	3.3	47
18	The split protein phosphatase system. <i>Biochemical Journal</i> , 2018, 475, 3707-3723.	1.7	45

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19	Exploiting the selectivity of protein phosphatase 1 for pharmacological intervention. FEBS Journal, 2013, 280, 766-770.	2.2	44
20	Prion Properties of SOD1 in Amyotrophic Lateral Sclerosis and Potential Therapy. Cold Spring Harbor Perspectives in Biology, 2017, 9, a024141.	2.3	29
21	Propagation of the Prion Phenomenon: Beyond the Seeding Principle. Journal of Molecular Biology, 2012, 421, 491-498.	2.0	28
22	Prion-like protein aggregates exploit the RHO GTPase to cofilin signaling pathway to enter cells. EMBO Journal, 2018, 37, .	3.5	24
23	Self-propagation and transmission of misfolded mutant SOD1: Prion or prion-like phenomenon?. Cell Cycle, 2011, 10, 1711-1711.	1.3	22
24	Potential benefit of manipulating protein quality control systems in neurodegenerative diseases. Current Opinion in Neurobiology, 2020, 61, 125-132.	2.0	22
25	Protein Stability Buffers the Cost of Translation Attenuation following eIF2 γ Phosphorylation. Cell Reports, 2020, 32, 108154.	2.9	19
26	Importance of the subcellular location of protein deposits in neurodegenerative diseases. Current Opinion in Neurobiology, 2018, 51, 127-133.	2.0	15
27	Mapping of the epitope of monoclonal antibody 2B4 to the proline-rich region of human Huntingtin, a region critical for aggregation and toxicity. Biotechnology Journal, 2007, 2, 559-564.	1.8	14
28	qMotor, a set of rules for sensitive, robust and quantitative measurement of motor performance in mice. Nature Protocols, 2017, 12, 1451-1457.	5.5	14
29	Cellular responses to halofuginone reveal a vulnerability of the GCN2 branch of the integrated stress response. EMBO Journal, 2022, 41, e109985.	3.5	7
30	An Overview of Methods for Detecting eIF2 γ Phosphorylation and the Integrated Stress Response. Methods in Molecular Biology, 2022, 2428, 3-18.	0.4	5
31	Substrate recognition determinants of human eIF2 γ phosphatases. Open Biology, 2021, 11, 210205.	1.5	4
32	Decoding the Protein Destruction Code: A Panoramic View. Molecular Cell, 2016, 63, 915-917.	4.5	0
33	Propagation and Replication of Misfolded SOD1: Implications for Amyotrophic Lateral Sclerosis. Research and Perspectives in Alzheimer's Disease, 2013, , 115-122.	0.1	0