Richard G Gardner

List of Publications by Year
in descending order

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Version: 2024-02-01

42 papers	2,712 citations	279798 23 h-index	265206 42 g-index
46 all docs	46 docs citations	46 times ranked	2724 citing authors

#	Article	IF	Citations
1	Hrd1p/Der3p is a membrane-anchored ubiquitin ligase required for ER-associated degradation. Nature Cell Biology, 2001, 3, 24-29.	10.3	427
2	Endoplasmic Reticulum Degradation Requires Lumen to Cytosol Signaling. Journal of Cell Biology, 2000, 151, 69-82.	5.2	277
3	Degradation-Mediated Protein Quality Control in the Nucleus. Cell, 2005, 120, 803-815.	28.9	248
4	Disorder Targets Misorder in Nuclear Quality ControlÂDegradation: A Disordered Ubiquitin Ligase Directly Recognizes Its Misfolded Substrates. Molecular Cell, 2011, 41, 93-106.	9.7	172
5	Cotrafficking of SV2 and Synaptotagmin at the Synapse. Journal of Neuroscience, 2010, 30, 5569-5578.	3.6	145
6	Ubp10/Dot4p Regulates the Persistence of Ubiquitinated Histone H2B: Distinct Roles in Telomeric Silencing and General Chromatin. Molecular and Cellular Biology, 2005, 25, 6123-6139.	2.3	143
7	A Highly Conserved Signal Controls Degradation of 3-Hydroxy-3-methylglutaryl-coenzyme A (HMG-CoA) Reductase in Eukaryotes. Journal of Biological Chemistry, 1999, 274, 31671-31678.	3.4	128
8	In Vivo Action of the HRD Ubiquitin Ligase Complex: Mechanisms of Endoplasmic Reticulum Quality Control and Sterol Regulation. Molecular and Cellular Biology, 2001, 21, 4276-4291.	2.3	113
9	HRDGene Dependence of Endoplasmic Reticulum-associated Degradation. Molecular Biology of the Cell, 2000, 11, 1697-1708.	2.1	100
10	Exposed hydrophobicity is a key determinant of nuclear quality control degradation. Molecular Biology of the Cell, 2011, 22, 2384-2395.	2.1	86
11	Sequence Determinants for Regulated Degradation of Yeast 3-Hydroxy-3-Methylglutaryl-CoA Reductase, an Integral Endoplasmic Reticulum Membrane Protein. Molecular Biology of the Cell, 1998, 9, 2611-2626.	2.1	72
12	Protein Quality Control Degradation in the Nucleus. Annual Review of Biochemistry, 2018, 87, 725-749.	11.1	60
13	A Conserved Deubiquitinating Enzyme Controls Cell Growth by Regulating RNA Polymerase I Stability. Cell Reports, 2012, 2, 372-385.	6.4	57
14	Selective destruction of abnormal proteins by ubiquitin-mediated protein quality control degradation. Seminars in Cell and Developmental Biology, 2012, 23, 530-537.	5.0	57
15	The Recruitment of the Saccharomyces cerevisiae Paf1 Complex to Active Genes Requires a Domain of Rtf1 That Directly Interacts with the Spt4-Spt5 Complex. Molecular and Cellular Biology, 2013, 33, 3259-3273.	2.3	53
16	Mapping the Landscape of a Eukaryotic Degronome. Molecular Cell, 2016, 63, 1055-1065.	9.7	51
17	Cdc73 Subunit of Paf1 Complex Contains C-terminal Ras-like Domain That Promotes Association of Paf1 Complex with Chromatin. Journal of Biological Chemistry, 2012, 287, 10863-10875.	3.4	50
18	An Oxysterol-derived Positive Signal for 3-Hydroxy- 3-methylglutaryl-CoA Reductase Degradation in Yeast. Journal of Biological Chemistry, 2001, 276, 8681-8694.	3.4	48

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19	Substrate Recognition in Nuclear Protein Quality Control Degradation Is Governed by Exposed Hydrophobicity That Correlates with Aggregation and Insolubility. Journal of Biological Chemistry, 2013, 288, 6130-6139.	3.4	46
20	Requirement for Cdc48/p97 in nuclear protein quality control degradation varies with the substrate and correlates with substrate insolubility. Journal of Cell Science, 2014, 127, 1980-91.	2.0	46
21	Î±-Dystrobrevin-1 recruits Î±-catulin to the Î± _{1D} -adrenergic receptor/dystrophin-associated protein complex signalosome. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21854-21859.	7.1	33
22	Protein quality control in the nucleus. Current Opinion in Cell Biology, 2016, 40, 81-89.	5.4	30
23	Cellular maintenance of nuclear protein homeostasis. Cellular and Molecular Life Sciences, 2014, 71, 1865-1879.	5.4	26
24	Means of self-preservation: how an intrinsically disordered ubiquitin-protein ligase averts self-destruction. Molecular Biology of the Cell, 2013, 24, 1041-1052.	2.1	25
25	How a disordered ubiquitin ligase maintains order in nuclear protein homeostasis. Nucleus, 2011, 2, 264-270.	2.2	24
26	A Prevotella ruminicola B 1 4 Operon Encoding Extracellular Polysaccharide Hydrolases. Current Microbiology, 1997, 35, 274-277.	2.2	23
27	A Conserved Deubiquitinating Enzyme Uses Intrinsically Disordered Regions to Scaffold Multiple Protein Interaction Sites. Journal of Biological Chemistry, 2015, 290, 20601-20612.	3.4	22
28	Structure of the Shroom-Rho Kinase Complex Reveals a Binding Interface with Monomeric Shroom That Regulates Cell Morphology and Stimulates Kinase Activity. Journal of Biological Chemistry, 2016, 291, 25364-25374.	3.4	19
29	The extent of Ssa1/Ssa2 Hsp70 chaperone involvement in nuclear protein quality control degradation varies with the substrate. Molecular Biology of the Cell, 2020, 31, 221-233.	2.1	18
30	The effect of carbohydrates on the expression of thePrevotella ruminicola1,4-ÃŽÂ²-D-endoglucanase. FEMS Microbiology Letters, 1995, 125, 305-310.	1.8	17
31	Dynamic Sumoylation of a Conserved Transcription Corepressor Prevents Persistent Inclusion Formation during Hyperosmotic Stress. PLoS Genetics, 2016, 12, e1005809.	3.5	17
32	The San1 Ubiquitin Ligase Functions Preferentially with Ubiquitin-conjugating Enzyme Ubc1 during Protein Quality Control. Journal of Biological Chemistry, 2016, 291, 18778-18790.	3.4	13
33	Osmolyte accumulation regulates the SUMOylation and inclusion dynamics of the prionogenic Cyc8-Tup1 transcription corepressor. PLoS Genetics, 2019, 15, e1008115.	3.5	11
34	Rewiring MAP kinases in Saccharomyces cerevisiae to regulate novel targets through ubiquitination. ELife, 2016, 5, .	6.0	11
35	A yeast model for polyalanine-expansion aggregation and toxicity. Molecular Biology of the Cell, 2011, 22, 1971-1984.	2.1	10
36	Sex-dependent behavioral impairments in the HdhQ350/+ mouse line. Behavioural Brain Research, 2018, 337, 34-45.	2.2	10

#	Article	IF	Citations
37	Physical and Genetic Associations of the Irc20 Ubiquitin Ligase with Cdc48 and SUMO. PLoS ONE, 2013, 8, e76424.	2.5	7
38	Acute ethanol stress induces sumoylation of conserved chromatin structural proteins inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2021, 32, 1121-1133.	2.1	5
39	The San1 Ubiquitin Ligase Avidly Recognizes Misfolded Proteins through Multiple Substrate Binding Sites. Biomolecules, 2021, 11, 1619.	4.0	5
40	Integrated Proteogenomic Approach for Identifying Degradation Motifs in Eukaryotic Cells. Methods in Molecular Biology, 2018, 1844, 121-136.	0.9	1
41	From Precise Slicing to General SHREDding: The Ubiquitin Ligase Ubr1 Roqs as a Multipurpose Protein Terminator. Molecular Cell, 2018, 70, 989-990.	9.7	1
42	Digging for Buried Amino Acids Unearths New Protein Quality Control Treasure. Structure, 2015, 23, 1151-1152.	3.3	0