Jeroen Roelofs

List of Publications by Year
in descending order

44 papers	8,169 citations	257450 24 h-index	289244 40 g-index
47 all docs	47 docs citations	47 times ranked	16968 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	A proteomics approach to understanding protein ubiquitination. Nature Biotechnology, 2003, 21, 921-926.	17.5	1,465
3	Assembly, structure, and function of the 26S proteasome. Trends in Cell Biology, 2010, 20, 391-401.	7.9	208
4	Chaperone-mediated pathway of proteasome regulatory particle assembly. Nature, 2009, 459, 861-865.	27.8	166
5	Stability of the proteasome can be regulated allosterically through engagement of its proteolytic active sites. Nature Structural and Molecular Biology, 2007, 14, 1180-1188.	8.2	140
6	Hexameric assembly of the proteasomal ATPases is templated through their C termini. Nature, 2009, 459, 866-870.	27.8	125
7	Reduced Protein Diffusion Rate by Cytoskeleton in Vegetative and Polarized Dictyostelium Cells. Biophysical Journal, 2001, 81, 2010-2019.	0.5	111
8	Uniform cAMP Stimulation of Dictyostelium Cells Induces Localized Patches of Signal Transduction and Pseudopodia. Molecular Biology of the Cell, 2003, 14, 5019-5027.	2.1	98
9	Starvation Induces Proteasome Autophagy with Different Pathways for Core and Regulatory Particles. Journal of Biological Chemistry, 2016, 291, 3239-3253.	3.4	98
10	Sensitization of Dictyostelium chemotaxis by phosphoinositide-3-kinase-mediated self-organizing signalling patches. Journal of Cell Science, 2004, 117, 2925-2935.	2.0	95
11	Genes lost during evolution. Nature, 2001, 411, 1013-1014.	27.8	80
12	Reconfiguration of the proteasome during chaperone-mediated assembly. Nature, 2013, 497, 512-516.	27.8	73
13	Physiological and Molecular Characterization of Hydroxyphenylpyruvate Dioxygenase (HPPD)-inhibitor Resistance in Palmer Amaranth (Amaranthus palmeri S.Wats.). Frontiers in Plant Science, 2017, 8, 555.	3.6	69
14	The Dictyostelium homologue of mammalian soluble adenylyl cyclase encodes a guanylyl cyclase. EMBO Journal, 2001, 20, 4341-4348.	7.8	64
15	Loss of Rpt5 Protein Interactions with the Core Particle and Nas2 Protein Causes the Formation of Faulty Proteasomes That Are Inhibited by Ecm29 Protein. Journal of Biological Chemistry, 2011, 286, 36641-36651.	3.4	55
16	Phosducin-like proteins in Dictyostelium discoideum: implications for the phosducin family of proteins. EMBO Journal, 2003, 22, 5047-5057.	7.8	54
17	The Proteasome-associated Protein Ecm29 Inhibits Proteasomal ATPase Activity and in Vivo Protein Degradation by the Proteasome. Journal of Biological Chemistry, 2013, 288, 29467-29481.	3.4	48
18	Guanylate cyclase in Dictyostelium discoideum with the topology of mammalian adenylate cyclase. Biochemical Journal, 2001, 354, 697-706.	3.7	43

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19	Characterization of Two Unusual Guanylyl Cyclases fromDictyostelium. Journal of Biological Chemistry, 2002, 277, 9167-9174.	3.4	42
20	Deducing the Origin of Soluble Adenylyl Cyclase, a Gene Lost in Multiple Lineages. Molecular Biology and Evolution, 2002, 19, 2239-2246.	8.9	42
21	Maturation of the proteasome core particle induces an affinity switch that controls regulatory particle association. Nature Communications, 2015, 6, 6384.	12.8	39
22	Guanylate cyclase in Dictyostelium discoideum with the topology of mammalian adenylate cyclase. Biochemical Journal, 2001, 354, 697.	3.7	37
23	Assembly manual for the proteasome regulatory particle: the first draft. Biochemical Society Transactions, 2010, 38, 6-13.	3.4	29
24	Structures of chaperone-associated assembly intermediates reveal coordinated mechanisms of proteasome biogenesis. Nature Structural and Molecular Biology, 2021, 28, 418-425.	8.2	29
25	A retrospective survey of the causes of bracket- and tube-bonding failures. Angle Orthodontist, 2017, 87, 111-117.	2.4	26
26	Activation of Soluble Guanylyl Cyclase at the Leading Edge during Dictyostelium Chemotaxis. Molecular Biology of the Cell, 2005, 16, 976-983.	2.1	25
27	Identification and characterization of DdPDE3, a cGMP-selective phosphodiesterase from Dictyostelium. Biochemical Journal, 2001, 353, 635.	3.7	23
28	Phosphorylation of the C-terminal tail of proteasome subunit Î±7 is required for binding of the proteasome quality control factor Ecm29. Scientific Reports, 2016, 6, 27873.	3.3	23
29	A Proteomic Strategy for Quantifying Polyubiquitin Chain Topologies. Israel Journal of Chemistry, 2006, 46, 171-182.	2.3	20
30	Proteaphagy is specifically regulated and requires factors dispensable for general autophagy. Journal of Biological Chemistry, 2022, 298, 101494.	3.4	19
31	Native Gel Approaches in Studying Proteasome Assembly and Chaperones. Methods in Molecular Biology, 2018, 1844, 237-260.	0.9	14
32	GTPÎ³S Regulation of a 12-Transmembrane Guanylyl Cyclase Is Retained after Mutation to an Adenylyl Cyclase. Journal of Biological Chemistry, 2001, 276, 40740-40745.	3.4	12
33	cGMP signalling: different ways to create a pathway. Trends in Genetics, 2003, 19, 132-134.	6.7	10
34	1.15â€…Ã… resolution structure of the proteasome-assembly chaperone Nas2 PDZ domain. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 418-423.	0.8	7
35	Tagging the proteasome active site Î²5 causes tag specific phenotypes in yeast. Scientific Reports, 2020, 10, 18133.	3.3	7
36	Proteasome activator Blm10 levels and autophagic degradation directly impact the proteasome landscape. Journal of Biological Chemistry, 2021, 296, 100468.	3.4	6

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37	Cooperativity in Proteasome Core Particle Maturation. IScience, 2020, 23, 101090.	4.1	5
38	The Extent of Extended-Ubiquitin Binding to the Proteasome. Structure, 2020, 28, 489-491.	3.3	4
39	Proteasome inhibition by bortezomib: A left hook and a right punch. EBioMedicine, 2015, 2, 619-620.	6.1	2
40	Affinity Switch during Proteasome Core Particle Maturation that Regulates Pba1â€“Pba2 and Regulatory Particle Association. FASEB Journal, 2015, 29, 894.3.	0.5	0
41	Cooperativity in Proteasome Core Particle Autocatalytic Processing. FASEB Journal, 2019, 33, 466.4.	0.5	0
42	Proteaphagy and the Trafficking of Proteasomes under Nutrient Stress Conditions. , 2022, 1, 21-24.		0
43	Proteasome Localization is Regulated Through Mitochondrial Respiration and Kinase Signaling. FASEB Journal, 2022, 36, .	0.5	0
44	Proteasome Shuttle Factors Regulate the Relocalization of Proteasomes to Cytosolic Granules upon Specific Stress Conditions. FASEB Journal, 2022, 36, .	0.5	0