KÃ¼rÅad Turgay

List of Publications by Year
in descending order

45 papers	3,404 citations	172457 29 h-index	254184 43 g-index
60 all docs	60 docs citations	60 times ranked	2698 citing authors

#	Article	IF	Citations
1	Competence in Bacillus subtilis is controlled by regulated proteolysis of a transcription factor. EMBO Journal, 1998, 17, 6730-6738.	7.8	314
2	Four homologous domains in the primary structure of GrsB are related to domains in a superfamily of adenylate-forming enzymes. Molecular Microbiology, 1992, 6, 529-546.	2.5	246
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	AAA+ proteins and substrate recognition, it all depends on their partner in crime. FEBS Letters, 2002, 529, 6-10.	2.8	193
6	Biochemical characterization of a molecular switch involving the heat shock protein ClpC, which controls the activity of ComK, the competence transcription factor of Bacillus subtilis.. Genes and Development, 1997, 11, 119-128.	5.9	186
7	McsB Is a Protein Arginine Kinase That Phosphorylates and Inhibits the Heat-Shock Regulator CtsR. Science, 2009, 324, 1323-1327.	12.6	151
8	MecA, an adaptor protein necessary for ClpC chaperone activity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2306-2311.	7.1	139
9	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
10	Global impact of protein arginine phosphorylation on the physiology of <i>Bacillus subtilis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7451-7456.	7.1	133
11	Adaptor protein controlled oligomerization activates the AAA+ protein ClpC. EMBO Journal, 2006, 25, 1481-1491.	7.8	127
12	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
13	Exploring the diversity of protein modifications: special bacterial phosphorylation systems. FEMS Microbiology Reviews, 2016, 40, 398-417.	8.6	100
14	Structural changes of TasA in biofilm formation of <i>Bacillus subtilis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3237-3242.	7.1	97
15	The tyrosine kinase McsB is a regulated adaptor protein for ClpCP. EMBO Journal, 2007, 26, 2061-2070.	7.8	95
16	The N- and C-terminal domains of MecA recognize different partners in the competence molecular switch. Molecular Microbiology, 1999, 33, 886-894.	2.5	76
17	Structure of the <i>Bacillus subtilis</i> hibernating 100S ribosome reveals the basis for 70S dimerization. EMBO Journal, 2017, 36, 2061-2072.	7.8	74
18	Physical identification of a chromosomal locus encoding biosynthetic genes for the lipopeptide calcium-dependent antibiotic (CDA) of Streptomyces coelicolor A3(2). Microbiology (United Kingdom), 1998, 144, 193-199.	1.8	58

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19	The role of thiol oxidative stress response in heatâ€induced protein aggregate formation during thermotolerance in <scp><i>B</i></scp><i>acillus subtilis</i>. Molecular Microbiology, 2014, 91, 1036-1052.	2.5	55
20	The alarmones (p)ppGpp are part of the heat shock response of Bacillus subtilis. PLoS Genetics, 2020, 16, e1008275.	3.5	52
21	Localization of general and regulatory proteolysis in <i>Bacillus subtilis</i> cells. Molecular Microbiology, 2008, 70, 682-694.	2.5	48
22	Cyanobacterial ClpC/HSP100 Protein Displays Intrinsic Chaperone Activity. Journal of Biological Chemistry, 2006, 281, 5468-5475.	3.4	46
23	Chaperone-protease systems in regulation and protein quality control in Bacillus subtilis. Research in Microbiology, 2009, 160, 637-644.	2.1	46
24	Broad yet high substrate specificity: the challenge of AAA+ proteins. Journal of Structural Biology, 2004, 146, 90-98.	2.8	45
25	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
26	Functional Diversity of AAA+ Protease Complexes in Bacillus subtilis. Frontiers in Molecular Biosciences, 2017, 4, 44.	3.5	42
27	Recent Advances and Current Trends in Nucleotide Second Messenger Signaling in Bacteria. Journal of Molecular Biology, 2019, 431, 908-927.	4.2	41
28	Structural Basis for Regulation of the Opposing (p)ppGpp Synthetase and Hydrolase within the Stringent Response Orchestrator Rel. Cell Reports, 2020, 32, 108157.	6.4	39
29	Regulatory coiled-coil domains promote head-to-head assemblies of AAA+ chaperones essential for tunable activity control. ELife, 2017, 6, .	6.0	32
30	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
31	Spx, the central regulator of the heat and oxidative stress response inB. subtilis, can repress transcription of translationâ€related genes. Molecular Microbiology, 2018, 111, 514-533.	2.5	20
32	Roles of the two ClpC ATP binding sites in the regulation of competence and the stress response. Molecular Microbiology, 2008, 42, 717-727.	2.5	19
33	YocM a small heat shock protein can protect <i>Bacillus subtilis</i> cells during salt stress. Molecular Microbiology, 2019, 111, 423-440.	2.5	18
34	Role of Hsp100/Clp Protease Complexes in Controlling the Regulation of Motility in Bacillus subtilis. Frontiers in Microbiology, 2016, 7, 315.	3.5	16
35	General and Regulatory Proteolysis in Bacillus subtilis. Sub-Cellular Biochemistry, 2013, 66, 73-103.	2.4	14
36	Spx, a versatile regulator of the Bacillus subtilis stress response. Current Genetics, 2019, 65, 871-876.	1.7	14

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37	ThegtcRSoperon coding for two-component system regulatory proteins is located adjacent to the grs operon ofBacillus brevis. DNA Sequence, 1995, 5, 283-290.	0.7	11
38	Xenogeneic modulation of the ClpCP protease of Bacillus subtilis by a phage-encoded adaptor-like protein. Journal of Biological Chemistry, 2019, 294, 17501-17511.	3.4	9
39	Dysregulating ClpP: From Antibiotics to Anticancer?. Cell Chemical Biology, 2018, 25, 929-930.	5.2	6
40	Proteolysis in prokaryotes â€“ from molecular machines to a systems perspective. Research in Microbiology, 2009, 160, 615-617.	2.1	4
41	Role of Proteolysis and Chaperones in Stress Response and Regulation. , 0, , 75-90.		4
42	Exploring a potential Achilles heel of <i>MycobacteriumÂ tuberculosis</i>: defining the ClpC1 interactome. FEBS Journal, 2021, 288, 95-98.	4.7	2
43	The key to unlock the <scp>Hsp</scp>100/<scp>Clp</scp> protein degradation machines of <scp><i>M</i></scp><i>ycobacterium</i>. Molecular Microbiology, 2014, 93, 583-586.	2.5	1
44	Structural insight into protein-aided bacterial biofilm formation. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C391-C391.	0.1	0
45	Structural insight into protein-aided bacterial biofilm formation. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e206-e206.	0.1	0