

Franz Narberhaus

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

6,222
citations

45
h-index

71
g-index

191
ext. papers

7,121
ext. citations

5.7
avg, IF

6.12
L-index

#	Paper	IF	Citations
164	RNA thermometer-coordinated assembly of the Yersinia injectisome. <i>Journal of Molecular Biology</i> , 2022 , 167667	6.5	0
163	Adaptive responses of to treatment with antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , AAC0087821	9.9	1
162	The gatekeeper of Yersinia type III secretion is under RNA thermometer control. <i>PLoS Pathogens</i> , 2021 , 17, e1009650	7.6	1
161	Type IV and Type VI Secretion Systems Reside in Detergent-Resistant Membranes.. <i>Frontiers in Microbiology</i> , 2021 , 12, 754486	5.7	0
160	Recombinant and endogenous ways to produce methylated phospholipids in Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 8837-8851	5.7	1
159	A Salmonella Typhi RNA thermosensor regulates virulence factors and innate immune evasion in response to host temperature. <i>PLoS Pathogens</i> , 2021 , 17, e1009345	7.6	9
158	A Novel, Universally Active C-terminal Protein Degradation Signal Generated by Alternative Splicing. <i>Journal of Molecular Biology</i> , 2021 , 433, 166890	6.5	0
157	OmpA, a Common Virulence Factor, Is Under RNA Thermometer Control in. <i>Frontiers in Microbiology</i> , 2021 , 12, 687260	5.7	0
156	A LysR-type transcriptional regulator controls the expression of numerous small RNAs in <i>Agrobacterium tumefaciens</i> . <i>Molecular Microbiology</i> , 2021 , 116, 126-139	4.1	2
155	Promiscuous phospholipid biosynthesis enzymes in the plant pathogen <i>Pseudomonas syringae</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021 , 1866, 158926	5	4
154	Phospholipid -Methyltransferases Produce Various Methylated Phosphatidylethanolamine Derivatives in Thermophilic Bacteria. <i>Applied and Environmental Microbiology</i> , 2021 , 87, e0110521	4.8	1
153	Synthesis of the unusual lipid bis(monoacylglycero)phosphate in environmental bacteria. <i>Environmental Microbiology</i> , 2021 , 23, 6993-7008	5.2	0
152	Lon Protease Removes Excess Signal Recognition Particle Protein in Escherichia coli. <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	5
151	Regulation of OmpA Translation and Shigella dysenteriae Virulence by an RNA Thermometer. <i>Infection and Immunity</i> , 2020 , 88,	3.7	6
150	Lead-seq: transcriptome-wide structure probing in vivo using lead(II) ions. <i>Nucleic Acids Research</i> , 2020 , 48, e71	20.1	12
149	An RNA thermometer dictates production of a secreted bacterial toxin. <i>PLoS Pathogens</i> , 2020 , 16, e1008184	7.84	14
148	Arginine-Rich Small Proteins with a Domain of Unknown Function, DUF1127, Play a Role in Phosphate and Carbon Metabolism of <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	7

147	The RNase YbeY Is Vital for Ribosome Maturation, Stress Resistance, and Virulence of the Natural Genetic Engineer. <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	6
146	An unconventional RNA-based thermosensor within the 5SUTR of Staphylococcus aureus cidA. <i>PLoS ONE</i> , 2019 , 14, e0214521	3.7	8
145	Coordinated regulation of nitrogen fixation and molybdate transport by molybdenum. <i>Molecular Microbiology</i> , 2019 , 111, 17-30	4.1	20
144	Virulence of Agrobacterium tumefaciens requires lipid homeostasis mediated by the lysyl-phosphatidylglycerol hydrolase AcvB. <i>Molecular Microbiology</i> , 2019 , 111, 269-286	4.1	9
143	RNA Thermometers in Bacterial Pathogens. <i>Microbiology Spectrum</i> , 2018 , 6,	8.9	39
142	A phosphatidic acid-binding protein is important for lipid homeostasis and adaptation to anaerobic biofilm conditions in. <i>Biochemical Journal</i> , 2018 , 475, 1885-1907	3.8	9
141	An Integrated Proteomic Approach Uncovers Novel Substrates and Functions of the Lon Protease in Escherichia coli. <i>Proteomics</i> , 2018 , 18, e1800080	4.8	14
140	Intricate Crosstalk Between Lipopolysaccharide, Phospholipid and Fatty Acid Metabolism in Modulates Proteolysis of LpxC. <i>Frontiers in Microbiology</i> , 2018 , 9, 3285	5.7	17
139	Design of a Temperature-Responsive Transcription Terminator. <i>ACS Synthetic Biology</i> , 2018 , 7, 613-621	5.7	13
138	A Small Regulatory RNA Controls Cell Wall Biosynthesis and Antibiotic Resistance. <i>MBio</i> , 2018 , 9,	7.8	12
137	Next-Generation Trapping of Protease Substrates by Label-Free Proteomics. <i>Methods in Molecular Biology</i> , 2018 , 1841, 189-206	1.4	1
136	RNA Thermometers in Bacterial Pathogens 2018 , 55-73		6
135	When, how and why? Regulated proteolysis by the essential FtsH protease in Escherichia coli. <i>Biological Chemistry</i> , 2017 , 398, 625-635	4.5	43
134	Membrane Remodeling by a Bacterial Phospholipid-Methylating Enzyme. <i>MBio</i> , 2017 , 8,	7.8	12
133	Systematic probing of the bacterial RNA structurome to reveal new functions. <i>Current Opinion in Microbiology</i> , 2017 , 36, 14-19	7.9	16
132	Modular arrangement of regulatory RNA elements. <i>RNA Biology</i> , 2017 , 14, 287-292	4.8	7
131	Dissection of membrane-binding and -remodeling regions in two classes of bacterial phospholipid N-methyltransferases. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 2279-2288	3.8	4
130	One gene, two proteins: coordinated production of a copper chaperone by differential transcript formation and translational frameshifting in Escherichia coli. <i>Molecular Microbiology</i> , 2017 , 106, 635-645 ^{4.1}		7

129	The Copper Efflux Regulator CueR Is Subject to ATP-Dependent Proteolysis in. <i>Frontiers in Molecular Biosciences</i> , 2017 , 4, 9	5.6	8
128	In vivo trapping of FtsH substrates by label-free quantitative proteomics. <i>Proteomics</i> , 2016 , 16, 3161-3172	7.8	13
127	Temperature-responsive in vitro RNA structurome of <i>Yersinia pseudotuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7237-42	11.5	55
126	Molybdate uptake by <i>Agrobacterium tumefaciens</i> correlates with the cellular molybdenum cofactor status. <i>Molecular Microbiology</i> , 2016 , 101, 809-22	4.1	9
125	Mini review: ATP-dependent proteases in bacteria. <i>Biopolymers</i> , 2016 , 105, 505-17	2.2	27
124	RNA Hairpin Folding in the Crowded Cell. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3224-8	16.4	59
123	Faltung einer RNA-Haarnadel in der dicht gedrängten Zelle. <i>Angewandte Chemie</i> , 2016 , 128, 3279-3283	3.6	9
122	Exploring the modular nature of riboswitches and RNA thermometers. <i>Nucleic Acids Research</i> , 2016 , 44, 5410-23	20.1	17
121	Conditional Proteolysis of the Membrane Protein YfgM by the FtsH Protease Depends on a Novel N-terminal Degron. <i>Journal of Biological Chemistry</i> , 2015 , 290, 19367-78	5.4	18
120	Mechanistic insights into temperature-dependent regulation of the simple cyanobacterial hsp17 RNA thermometer at base-pair resolution. <i>Nucleic Acids Research</i> , 2015 , 43, 5572-85	20.1	18
119	Constitutive production of c-di-GMP is associated with mutations in a variant of <i>Pseudomonas aeruginosa</i> with altered membrane composition. <i>Science Signaling</i> , 2015 , 8, ra36	8.8	36
118	Membrane-binding mechanism of a bacterial phospholipid N-methyltransferase. <i>Molecular Microbiology</i> , 2015 , 95, 313-31	4.1	19
117	Unconventional membrane lipid biosynthesis in <i>Xanthomonas campestris</i> . <i>Environmental Microbiology</i> , 2015 , 17, 3116-24	5.2	7
116	Phosphatidylcholine biosynthesis in <i>Xanthomonas campestris</i> via a yeast-like acylation pathway. <i>Molecular Microbiology</i> , 2014 , 91, 736-50	4.1	26
115	Discovery of a bifunctional cardiolipin/phosphatidylethanolamine synthase in bacteria. <i>Molecular Microbiology</i> , 2014 , 92, 959-72	4.1	19
114	Coordinated expression of fdxD and molybdenum nitrogenase genes promotes nitrogen fixation by <i>Rhodobacter capsulatus</i> in the presence of oxygen. <i>Journal of Bacteriology</i> , 2014 , 196, 633-40	3.5	15
113	RNA thermometer controls temperature-dependent virulence factor expression in <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14241-6	11.5	51
112	The PqsR and RhIR transcriptional regulators determine the level of <i>Pseudomonas quinolone</i> signal synthesis in <i>Pseudomonas aeruginosa</i> by producing two different pqsABCDE mRNA isoforms. <i>Journal of Bacteriology</i> , 2014 , 196, 4163-71	3.5	32

111	Enzymatic properties and substrate specificity of a bacterial phosphatidylcholine synthase. <i>FEBS Journal</i> , 2014 , 281, 3523-41	5.7	11
110	Profound impact of Hfq on nutrient acquisition, metabolism and motility in the plant pathogen <i>Agrobacterium tumefaciens</i> . <i>PLoS ONE</i> , 2014 , 9, e110427	3.7	24
109	How to find RNA thermometers. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014 , 4, 132	5.9	19
108	Translational control of small heat shock genes in mesophilic and thermophilic cyanobacteria by RNA thermometers. <i>RNA Biology</i> , 2014 , 11, 594-608	4.8	14
107	Riboregulation in plant-associated β proteobacteria. <i>RNA Biology</i> , 2014 , 11, 550-62	4.8	32
106	Two separate modules of the conserved regulatory RNA AbcR1 address multiple target mRNAs in and outside of the translation initiation region. <i>RNA Biology</i> , 2014 , 11, 624-40	4.8	33
105	Membrane lipids in <i>Agrobacterium tumefaciens</i> : biosynthetic pathways and importance for pathogenesis. <i>Frontiers in Plant Science</i> , 2014 , 5, 109	6.2	26
104	NifA- and CoxA-coordinated cowN expression sustains nitrogen fixation by <i>Rhodobacter capsulatus</i> in the presence of carbon monoxide. <i>Journal of Bacteriology</i> , 2014 , 196, 3494-502	3.5	7
103	A tricistronic heat shock operon is important for stress tolerance of <i>Pseudomonas putida</i> and conserved in many environmental bacteria. <i>Environmental Microbiology</i> , 2014 , 16, 1835-53	5.2	16
102	Temperature-driven differential gene expression by RNA thermosensors. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2014 , 1839, 978-988	6	48
101	Nonnative disulfide bond formation activates the σ 2-dependent heat shock response in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2013 , 195, 2807-16	3.5	19
100	FtsH-mediated coordination of lipopolysaccharide biosynthesis in <i>Escherichia coli</i> correlates with the growth rate and the alarmone (p)ppGpp. <i>Journal of Bacteriology</i> , 2013 , 195, 1912-9	3.5	35
99	Thermozymes: Synthetic RNA thermometers based on ribozyme activity. <i>RNA Biology</i> , 2013 , 10, 1010-6	4.8	30
98	Differential control of <i>Salmonella</i> heat shock operons by structured mRNAs. <i>Molecular Microbiology</i> , 2013 , 89, 715-31	4.1	15
97	RNA-mediated thermoregulation of iron-acquisition genes in <i>Shigella dysenteriae</i> and pathogenic <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2013 , 8, e63781	3.7	48
96	Short ROSE-like RNA thermometers control IbpA synthesis in <i>Pseudomonas</i> species. <i>PLoS ONE</i> , 2013 , 8, e65168	3.7	27
95	Structure and function of the bacterial AAA protease FtsH. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 40-8	4.9	111
94	Evolution from the prokaryotic to the higher plant chloroplast signal recognition particle: the signal recognition particle RNA is conserved in plastids of a wide range of photosynthetic organisms. <i>Plant Cell</i> , 2012 , 24, 4819-36	11.6	34

93	Tellurite resistance gene <i>trgB</i> confers copper tolerance to <i>Rhodobacter capsulatus</i> . <i>BioMetals</i> , 2012 , 25, 995-1008	3-4	4
92	Thermogenetic tools to monitor temperature-dependent gene expression in bacteria. <i>Journal of Biotechnology</i> , 2012 , 160, 55-63	3-7	36
91	Hfq influences multiple transport systems and virulence in the plant pathogen <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 5209-17	3-5	53
90	Characterization of Damage to Bacteria and Bio-macromolecules Caused by (V)UV Radiation and Particles Generated by a Microscale Atmospheric Pressure Plasma Jet. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2012 , 17-29	0-1	5
89	One out of four: HspL but no other small heat shock protein of <i>Agrobacterium tumefaciens</i> acts as efficient virulence-promoting VirB8 chaperone. <i>PLoS ONE</i> , 2012 , 7, e49685	3-7	11
88	The Role of VUV Radiation in the Inactivation of Bacteria with an Atmospheric Pressure Plasma Jet. <i>Plasma Processes and Polymers</i> , 2012 , 9, 561-568	3-4	55
87	Bacterial RNA thermometers: molecular zippers and switches. <i>Nature Reviews Microbiology</i> , 2012 , 10, 255-65	22.2	267
86	Concerted actions of a thermo-labile regulator and a unique intergenic RNA thermosensor control <i>Yersinia</i> virulence. <i>PLoS Pathogens</i> , 2012 , 8, e1002518	7-6	114
85	Deep sequencing uncovers numerous small RNAs on all four replicons of the plant pathogen <i>Agrobacterium tumefaciens</i> . <i>RNA Biology</i> , 2012 , 9, 446-57	4-8	66
84	Transcriptional and posttranscriptional events control copper-responsive expression of a <i>Rhodobacter capsulatus</i> multicopper oxidase. <i>Journal of Bacteriology</i> , 2012 , 194, 1849-59	3-5	14
83	A trapping approach reveals novel substrates and physiological functions of the essential protease FtsH in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2012 , 287, 42962-71	5-4	46
82	IcmF family protein TssM exhibits ATPase activity and energizes type VI secretion. <i>Journal of Biological Chemistry</i> , 2012 , 287, 15610-21	5-4	58
81	Control of Bacterial Heat Shock and Virulence Genes by RNA Thermometers 2012 , 183-193		1
80	Small RNA-mediated control of the <i>Agrobacterium tumefaciens</i> GABA binding protein. <i>Molecular Microbiology</i> , 2011 , 80, 492-506	4-1	60
79	The <i>Escherichia coli</i> replication inhibitor CspD is subject to growth-regulated degradation by the Lon protease. <i>Molecular Microbiology</i> , 2011 , 80, 1313-25	4-1	34
78	Modulation of the stability of the <i>Salmonella</i> fourU-type RNA thermometer. <i>Nucleic Acids Research</i> , 2011 , 39, 8258-70	20-1	51
77	S-adenosylmethionine-binding properties of a bacterial phospholipid N-methyltransferase. <i>Journal of Bacteriology</i> , 2011 , 193, 3473-81	3-5	20
76	Separation of VUV/UV photons and reactive particles in the effluent of a He/O ₂ atmospheric pressure plasma jet. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 295201	3	46

75	Choline uptake in <i>Agrobacterium tumefaciens</i> by the high-affinity ChoXWV transporter. <i>Journal of Bacteriology</i> , 2011 , 193, 5119-29	3.5	12
74	Control of lipopolysaccharide biosynthesis by FtsH-mediated proteolysis of LpxC is conserved in enterobacteria but not in all gram-negative bacteria. <i>Journal of Bacteriology</i> , 2011 , 193, 1090-7	3.5	41
73	Translation on demand by a simple RNA-based thermosensor. <i>Nucleic Acids Research</i> , 2011 , 39, 2855-68	20.1	75
72	Multiple layers of control govern expression of the <i>Escherichia coli</i> <i>ibpAB</i> heat-shock operon. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 66-76	2.9	43
71	Relevance of individual Mo-box nucleotides to DNA binding by the related molybdenum-responsive regulators MopA and MopB in <i>Rhodobacter capsulatus</i> . <i>FEMS Microbiology Letters</i> , 2010 , 307, 191-200	2.9	10
70	A <i>Rhodobacter capsulatus</i> member of a universal permease family imports molybdate and other oxyanions. <i>Journal of Bacteriology</i> , 2010 , 192, 5943-52	3.5	36
69	Translational control of bacterial heat shock and virulence genes by temperature-sensing mRNAs. <i>RNA Biology</i> , 2010 , 7, 84-9	4.8	64
68	The small heat-shock protein HspL is a VirB8 chaperone promoting type IV secretion-mediated DNA transfer. <i>Journal of Biological Chemistry</i> , 2010 , 285, 19757-66	5.4	19
67	Direct observation of the temperature-induced melting process of the <i>Salmonella</i> fourU RNA thermometer at base-pair resolution. <i>Nucleic Acids Research</i> , 2010 , 38, 3834-47	20.1	89
66	Proteomic and transcriptomic characterization of a virulence-deficient phosphatidylcholine-negative <i>Agrobacterium tumefaciens</i> mutant. <i>Molecular Genetics and Genomics</i> , 2010 , 283, 575-89	3.1	27
65	Phosphatidylcholine biosynthesis and its significance in bacteria interacting with eukaryotic cells. <i>European Journal of Cell Biology</i> , 2010 , 89, 888-94	6.1	61
64	Expression and physiological relevance of <i>Agrobacterium tumefaciens</i> phosphatidylcholine biosynthesis genes. <i>Journal of Bacteriology</i> , 2009 , 191, 365-74	3.5	33
63	Specific interactions between four molybdenum-binding proteins contribute to Mo-dependent gene regulation in <i>Rhodobacter capsulatus</i> . <i>Journal of Bacteriology</i> , 2009 , 191, 5205-15	3.5	13
62	The <i>Escherichia coli</i> <i>ibpA</i> thermometer is comprised of stable and unstable structural elements. <i>RNA Biology</i> , 2009 , 6, 455-63	4.8	45
61	In vitro characterization of the enzyme properties of the phospholipid N-methyltransferase PmtA from <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2009 , 191, 2033-41	3.5	22
60	Microbial thermosensors. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 2661-76	10.3	144
59	Two different stator systems drive a single polar flagellum in <i>Shewanella oneidensis</i> MR-1. <i>Molecular Microbiology</i> , 2009 , 71, 836-50	4.1	113
58	Regulatory RNAs in prokaryotes: here, there and everywhere. <i>Molecular Microbiology</i> , 2009 , 74, 261-9	4.1	26

57 Sensory RNAs **2009**, 415-426

56	Degradation of cytoplasmic substrates by FtsH, a membrane-anchored protease with many talents. <i>Research in Microbiology</i> , 2009 , 160, 652-9	4	35
55	Region C of the Escherichia coli heat shock sigma factor RpoH (sigma 32) contains a turnover element for proteolysis by the FtsH protease. <i>FEMS Microbiology Letters</i> , 2009 , 290, 199-208	2.9	17
54	Small heat-shock protein HspL is induced by VirB protein(s) and promotes VirB/D4-mediated DNA transfer in Agrobacterium tumefaciens. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 3270-3280	2.9	23
53	Multiple phospholipid N-methyltransferases with distinct substrate specificities are encoded in Bradyrhizobium japonicum. <i>Journal of Bacteriology</i> , 2008 , 190, 571-80	3.5	29
52	The GntR-like regulator TauR activates expression of taurine utilization genes in Rhodobacter capsulatus. <i>Journal of Bacteriology</i> , 2008 , 190, 487-93	3.5	39
51	Generation of synthetic RNA-based thermosensors. <i>Biological Chemistry</i> , 2008 , 389, 1319-26	4.5	51
50	Global consequences of phosphatidylcholine reduction in Bradyrhizobium japonicum. <i>Molecular Genetics and Genomics</i> , 2008 , 280, 59-72	3.1	18
49	FourU: a novel type of RNA thermometer in Salmonella. <i>Molecular Microbiology</i> , 2007 , 65, 413-24	4.1	125
48	Genome-wide bioinformatic prediction and experimental evaluation of potential RNA thermometers. <i>Molecular Genetics and Genomics</i> , 2007 , 278, 555-64	3.1	33
47	Region 2.1 of the Escherichia coli heat-shock sigma factor RpoH (sigma32) is necessary but not sufficient for degradation by the FtsH protease. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 2560-2571	2.9	15
46	Sequence and length recognition of the C-terminal turnover element of LpxC, a soluble substrate of the membrane-bound FtsH protease. <i>Journal of Molecular Biology</i> , 2007 , 372, 485-96	6.5	29
45	Overlapping and specialized functions of the molybdenum-dependent regulators MopA and MopB in Rhodobacter capsulatus. <i>Journal of Bacteriology</i> , 2006 , 188, 8441-51	3.5	29
44	RNA thermometers. <i>FEMS Microbiology Reviews</i> , 2006 , 30, 3-16	15.1	228
43	The C-terminal end of LpxC is required for degradation by the FtsH protease. <i>Molecular Microbiology</i> , 2006 , 59, 1025-36	4.1	66
42	Virulence of Agrobacterium tumefaciens requires phosphatidylcholine in the bacterial membrane. <i>Molecular Microbiology</i> , 2006 , 62, 906-15	4.1	74
41	Molecular basis for temperature sensing by an RNA thermometer. <i>EMBO Journal</i> , 2006 , 25, 2487-97	13	131
40	Identification of a turnover element in region 2.1 of Escherichia coli sigma32 by a bacterial one-hybrid approach. <i>Journal of Bacteriology</i> , 2005 , 187, 3807-13	3.5	33

39	RNA thermometers are common in alpha- and gamma-proteobacteria. <i>Biological Chemistry</i> , 2005 , 386, 1279-86	4.5	67
38	Replicon-specific regulation of small heat shock genes in <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2004 , 186, 6824-9	3.5	28
37	Temperature and concentration-controlled dynamics of rhizobial small heat shock proteins. <i>FEBS Journal</i> , 2004 , 271, 2494-503		30
36	Phosphatidylcholine levels in <i>Bradyrhizobium japonicum</i> membranes are critical for an efficient symbiosis with the soybean host plant. <i>Molecular Microbiology</i> , 2004 , 39, 1186-1198	4.1	71
35	Detection of oligomerisation and substrate recognition sites of small heat shock proteins by peptide arrays. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 325, 401-7	3.4	32
34	Small Heat Shock Proteins OR: A Subgroup of Molecular Chaperones. <i>Journal of Biological Sciences</i> , 2004 , 5, 1-9	0.4	2
33	Structural and functional defects caused by point mutations in the alpha-crystallin domain of a bacterial alpha-heat shock protein. <i>Journal of Molecular Biology</i> , 2003 , 328, 927-37	6.5	38
32	Structure-function studies of <i>Escherichia coli</i> RpoH (sigma32) by in vitro linker insertion mutagenesis. <i>Journal of Bacteriology</i> , 2003 , 185, 2731-8	3.5	20
31	Temperature-controlled structural alterations of an RNA thermometer. <i>Journal of Biological Chemistry</i> , 2003 , 278, 47915-21	5.4	75
30	mRNA-mediated detection of environmental conditions. <i>Archives of Microbiology</i> , 2002 , 178, 404-10	3	28
29	A critical motif for oligomerization and chaperone activity of bacterial alpha-heat shock proteins. <i>FEBS Journal</i> , 2002 , 269, 3578-86		74
28	Alpha-crystallin-type heat shock proteins: socializing minichaperones in the context of a multichaperone network. <i>Microbiology and Molecular Biology Reviews</i> , 2002 , 66, 64-93; table of contents	13.2	425
27	ROSE elements occur in disparate rhizobia and are functionally interchangeable between species. <i>Archives of Microbiology</i> , 2001 , 176, 44-51	3	52
26	An internal region of the RpoH heat shock transcription factor is critical for rapid degradation by the FtsH protease. <i>FEBS Letters</i> , 2001 , 493, 17-20	3.8	18
25	Differential degradation of <i>Escherichia coli</i> sigma32 and <i>Bradyrhizobium japonicum</i> RpoH factors by the FtsH protease. <i>FEBS Journal</i> , 2000 , 267, 4831-9		13
24	Role of HrcA and CIRCE in the heat shock regulatory network of <i>Bradyrhizobium japonicum</i> . <i>Journal of Bacteriology</i> , 2000 , 182, 14-22	3.5	45
23	Chaperone activity and homo- and hetero-oligomer formation of bacterial small heat shock proteins. <i>Journal of Biological Chemistry</i> , 2000 , 275, 37212-8	5.4	69
22	Two genes encoding a putative multidrug efflux pump of the RND/MFP family are cotranscribed with an rpoH gene in <i>Bradyrhizobium japonicum</i> . <i>Gene</i> , 2000 , 241, 247-54	3.8	24

21	Proteome analysis of heat shock protein expression in Bradyrhizobium japonicum. <i>FEBS Journal</i> , 1999 , 264, 39-48			45
20	Negative regulation of bacterial heat shock genes. <i>Molecular Microbiology</i> , 1999 , 31, 1-8	4.1		201
19	Multiple small heat shock proteins in rhizobia. <i>Journal of Bacteriology</i> , 1999 , 181, 83-90	3.5		79
18	Characterization of the Bradyrhizobium japonicum ftsH gene and its product. <i>Journal of Bacteriology</i> , 1999 , 181, 7394-7	3.5		4
17	The Bradyrhizobium japonicum phoB gene is required for phosphate-limited growth but not for symbiotic nitrogen fixation. <i>FEMS Microbiology Letters</i> , 1998 , 161, 47-52	2.9		9
16	Identification of the Bradyrhizobium japonicum degP gene as part of an operon containing small heat-shock protein genes. <i>Archives of Microbiology</i> , 1998 , 169, 89-97	3		9
15	A novel DNA element that controls bacterial heat shock gene expression. <i>Molecular Microbiology</i> , 1998 , 28, 315-23	4.1		56
14	Promoter selectivity of the Bradyrhizobium japonicum RpoH transcription factors in vivo and in vitro. <i>Journal of Bacteriology</i> , 1998 , 180, 2395-401	3.5		18
13	The dnaKJ operon belongs to the sigma32-dependent class of heat shock genes in Bradyrhizobium japonicum. <i>Molecular Genetics and Genomics</i> , 1997 , 254, 195-206			31
12	Three disparately regulated genes for sigma 32-like transcription factors in Bradyrhizobium japonicum. <i>Molecular Microbiology</i> , 1997 , 24, 93-104	4.1		54
11	Expression of heat shock genes in Clostridium acetobutylicum. <i>FEMS Microbiology Reviews</i> , 1995 , 17, 341-8	15.1		48
10	The C-terminal domain of NifL is sufficient to inhibit NifA activity. <i>Journal of Bacteriology</i> , 1995 , 177, 5078-87	3.5		32
9	Synthesis of heat shock proteins in Thermoanaerobacterium thermosulfurigenes EM1 (Clostridium thermosulfurogenes EM1). <i>Current Microbiology</i> , 1994 , 29, 13-8	2.4		5
8	The isolated catalytic domain of NIFA, a bacterial enhancer-binding protein, activates transcription in vitro: activation is inhibited by NIFL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 103-7	11.5		85
7	In vitro activity of NifL, a signal transduction protein for biological nitrogen fixation. <i>Journal of Bacteriology</i> , 1993 , 175, 7683-8	3.5		42
6	Cloning, nucleotide sequence and structural analysis of the Clostridium acetobutylicum dnaJ gene. <i>FEMS Microbiology Letters</i> , 1993 , 114, 53-60	2.9		18
5	Cloning, sequencing, and molecular analysis of the groESL operon of Clostridium acetobutylicum. <i>Journal of Bacteriology</i> , 1992 , 174, 3282-9	3.5		103
4	Molecular characterization of the dnaK gene region of Clostridium acetobutylicum, including grpE, dnaJ, and a new heat shock gene. <i>Journal of Bacteriology</i> , 1992 , 174, 3290-9	3.5		117

- 3 Induction of heat shock proteins during initiation of solvent formation in *Clostridium acetobutylicum*. *Applied Microbiology and Biotechnology*, **1990**, 33, 697-704 5-7 53
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