Franz Narberhaus

List of Publications by Citations

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	Alpha-crystallin-type heat shock proteins: socializing minichaperones in the context of a multichaperone network. *Microbiology and Molecular Biology Reviews*, **2002**, 66, 64-93; table of contents	13.2	425
163	Bacterial RNA thermometers: molecular zippers and switches. *Nature Reviews Microbiology*, **2012**, 10, 255-65	22.2	267
162	RNA thermometers. *FEMS Microbiology Reviews*, **2006**, 30, 3-16	15.1	228
161	Negative regulation of bacterial heat shock genes. *Molecular Microbiology*, **1999**, 31, 1-8	4.1	201
160	Microbial thermosensors. *Cellular and Molecular Life Sciences*, **2009**, 66, 2661-76	10.3	144
159	Molecular basis for temperature sensing by an RNA thermometer. *EMBO Journal*, **2006**, 25, 2487-97	13	131
158	FourU: a novel type of RNA thermometer in Salmonella. *Molecular Microbiology*, **2007**, 65, 413-24	4.1	125
157	Molecular characterization of the dnaK gene region of Clostridium acetobutylicum, including grpE, dnaJ, and a new heat shock gene. *Journal of Bacteriology*, **1992**, 174, 3290-9	3.5	117
156	Concerted actions of a thermo-labile regulator and a unique intergenic RNA thermosensor control Yersinia virulence. *PLoS Pathogens*, **2012**, 8, e1002518	7.6	114
155	Two different stator systems drive a single polar flagellum in Shewanella oneidensis MR-1. *Molecular Microbiology*, **2009**, 71, 836-50	4.1	113
154	Structure and function of the bacterial AAA protease FtsH. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2012**, 1823, 40-8	4.9	111
153	Cloning, sequencing, and molecular analysis of the groESL operon of Clostridium acetobutylicum. *Journal of Bacteriology*, **1992**, 174, 3282-9	3.5	103
152	Direct observation of the temperature-induced melting process of the Salmonella fourU RNA thermometer at base-pair resolution. *Nucleic Acids Research*, **2010**, 38, 3834-47	20.1	89
151	The isolated catalytic domain of NIFA, a bacterial enhancer-binding protein, activates transcription in vitro: activation is inhibited by NIFL. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 103-7	11.5	85
150	Multiple small heat shock proteins in rhizobia. *Journal of Bacteriology*, **1999**, 181, 83-90	3.5	79
149	Translation on demand by a simple RNA-based thermosensor. *Nucleic Acids Research*, **2011**, 39, 2855-68	20.1	75
148	Temperature-controlled structural alterations of an RNA thermometer. *Journal of Biological Chemistry*, **2003**, 278, 47915-21	5.4	75

147	Virulence of Agrobacterium tumefaciens requires phosphatidylcholine in the bacterial membrane. *Molecular Microbiology*, **2006**, 62, 906-15	4.1	74
146	A critical motif for oligomerization and chaperone activity of bacterial alpha-heat shock proteins. *FEBS Journal*, **2002**, 269, 3578-86		74
145	Phosphatidylcholine levels in Bradyrhizobium japonicum membranes are critical for an efficient symbiosis with the soybean host plant. *Molecular Microbiology*, **2004**, 39, 1186-1198	4.1	71
144	Chaperone activity and homo- and hetero-oligomer formation of bacterial small heat shock proteins. *Journal of Biological Chemistry*, **2000**, 275, 37212-8	5.4	69
143	RNA thermometers are common in alpha- and gamma-proteobacteria. *Biological Chemistry*, **2005**, 386, 1279-86	4.5	67
142	Deep sequencing uncovers numerous small RNAs on all four replicons of the plant pathogen Agrobacterium tumefaciens. *RNA Biology*, **2012**, 9, 446-57	4.8	66
141	The C-terminal end of LpxC is required for degradation by the FtsH protease. *Molecular Microbiology*, **2006**, 59, 1025-36	4.1	66
140	Translational control of bacterial heat shock and virulence genes by temperature-sensing mRNAs. *RNA Biology*, **2010**, 7, 84-9	4.8	64
139	Phosphatidylcholine biosynthesis and its significance in bacteria interacting with eukaryotic cells. *European Journal of Cell Biology*, **2010**, 89, 888-94	6.1	61
138	Small RNA-mediated control of the Agrobacterium tumefaciens GABA binding protein. *Molecular Microbiology*, **2011**, 80, 492-506	4.1	60
137	RNA Hairpin Folding in the Crowded Cell. *Angewandte Chemie - International Edition*, **2016**, 55, 3224-8	16.4	59
136	IcmF family protein TssM exhibits ATPase activity and energizes type VI secretion. *Journal of Biological Chemistry*, **2012**, 287, 15610-21	5.4	58
135	A novel DNA element that controls bacterial heat shock gene expression. *Molecular Microbiology*, **1998**, 28, 315-23	4.1	56
134	Temperature-responsive in vitro RNA structurome of Yersinia pseudotuberculosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 7237-42	11.5	55
133	The Role of VUV Radiation in the Inactivation of Bacteria with an Atmospheric Pressure Plasma Jet. *Plasma Processes and Polymers*, **2012**, 9, 561-568	3.4	55
132	Three disparately regulated genes for sigma 32-like transcription factors in Bradyrhizobium japonicum. *Molecular Microbiology*, **1997**, 24, 93-104	4.1	54
131	Hfq influences multiple transport systems and virulence in the plant pathogen Agrobacterium tumefaciens. *Journal of Bacteriology*, **2012**, 194, 5209-17	3.5	53
130	Induction of heat shock proteins during initiation of solvent formation inClostridium acetobutylicum. *Applied Microbiology and Biotechnology*, **1990**, 33, 697-704	5.7	53

129	ROSE elements occur in disparate rhizobia and are functionally interchangeable between species. *Archives of Microbiology*, **2001**, 176, 44-51	3	52
128	RNA thermometer controls temperature-dependent virulence factor expression in Vibrio cholerae. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 14241-6	11.5	51
127	Modulation of the stability of the Salmonella fourU-type RNA thermometer. *Nucleic Acids Research*, **2011**, 39, 8258-70	20.1	51
126	Generation of synthetic RNA-based thermosensors. *Biological Chemistry*, **2008**, 389, 1319-26	4.5	51
125	Temperature-driven differential gene expression by RNA thermosensors. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2014**, 1839, 978-988	6	48
124	RNA-mediated thermoregulation of iron-acquisition genes in Shigella dysenteriae and pathogenic Escherichia coli. *PLoS ONE*, **2013**, 8, e63781	3.7	48
123	Expression of heat shock genes in Clostridium acetobutylicum. *FEMS Microbiology Reviews*, **1995**, 17, 341-8	15.1	48
122	Separation of VUV/UV photons and reactive particles in the effluent of a He/O2atmospheric pressure plasma jet. *Journal Physics D: Applied Physics*, **2011**, 44, 295201	3	46
121	A trapping approach reveals novel substrates and physiological functions of the essential protease FtsH in Escherichia coli. *Journal of Biological Chemistry*, **2012**, 287, 42962-71	5.4	46
120	The Escherichia coli ibpA thermometer is comprised of stable and unstable structural elements. *RNA Biology*, **2009**, 6, 455-63	4.8	45
119	Role of HrcA and CIRCE in the heat shock regulatory network of Bradyrhizobium japonicum. *Journal of Bacteriology*, **2000**, 182, 14-22	3.5	45
118	Proteome analysis of heat shock protein expression in Bradyrhizobium japonicum. *FEBS Journal*, **1999**, 264, 39-48		45
117	When, how and why? Regulated proteolysis by the essential FtsH protease in Escherichia coli. *Biological Chemistry*, **2017**, 398, 625-635	4.5	43
116	Multiple layers of control govern expression of the Escherichia coli ibpAB heat-shock operon. *Microbiology (United Kingdom)*, **2011**, 157, 66-76	2.9	43
115	In vitro activity of NifL, a signal transduction protein for biological nitrogen fixation. *Journal of Bacteriology*, **1993**, 175, 7683-8	3.5	42
114	Control of lipopolysaccharide biosynthesis by FtsH-mediated proteolysis of LpxC is conserved in enterobacteria but not in all gram-negative bacteria. *Journal of Bacteriology*, **2011**, 193, 1090-7	3.5	41
113	RNA Thermometers in Bacterial Pathogens. *Microbiology Spectrum*, **2018**, 6,	8.9	39
112	The GntR-like regulator TauR activates expression of taurine utilization genes in Rhodobacter capsulatus. *Journal of Bacteriology*, **2008**, 190, 487-93	3.5	39

111	Structural and functional defects caused by point mutations in the alpha-crystallin domain of a bacterial alpha-heat shock protein. *Journal of Molecular Biology*, **2003**, 328, 927-37	6.5	38
110	Constitutive production of c-di-GMP is associated with mutations in a variant of Pseudomonas aeruginosa with altered membrane composition. *Science Signaling*, **2015**, 8, ra36	8.8	36
109	Thermogenetic tools to monitor temperature-dependent gene expression in bacteria. *Journal of Biotechnology*, **2012**, 160, 55-63	3.7	36
108	A Rhodobacter capsulatus member of a universal permease family imports molybdate and other oxyanions. *Journal of Bacteriology*, **2010**, 192, 5943-52	3.5	36
107	FtsH-mediated coordination of lipopolysaccharide biosynthesis in Escherichia coli correlates with the growth rate and the alarmone (p)ppGpp. *Journal of Bacteriology*, **2013**, 195, 1912-9	3.5	35
106	Degradation of cytoplasmic substrates by FtsH, a membrane-anchored protease with many talents. *Research in Microbiology*, **2009**, 160, 652-9	4	35
105	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. *Plant Cell*, **2012**, 24, 4819-36	11.6	34
104	The Escherichia coli replication inhibitor CspD is subject to growth-regulated degradation by the Lon protease. *Molecular Microbiology*, **2011**, 80, 1313-25	4.1	34
103	Two separate modules of the conserved regulatory RNA AbcR1 address multiple target mRNAs in and outside of the translation initiation region. *RNA Biology*, **2014**, 11, 624-40	4.8	33
102	Expression and physiological relevance of Agrobacterium tumefaciens phosphatidylcholine biosynthesis genes. *Journal of Bacteriology*, **2009**, 191, 365-74	3.5	33
101	Genome-wide bioinformatic prediction and experimental evaluation of potential RNA thermometers. *Molecular Genetics and Genomics*, **2007**, 278, 555-64	3.1	33
100	Identification of a turnover element in region 2.1 of Escherichia coli sigma32 by a bacterial one-hybrid approach. *Journal of Bacteriology*, **2005**, 187, 3807-13	3.5	33
99	The PqsR and RhlR transcriptional regulators determine the level of Pseudomonas quinolone signal synthesis in Pseudomonas aeruginosa by producing two different pqsABCDE mRNA isoforms. *Journal of Bacteriology*, **2014**, 196, 4163-71	3.5	32
98	Riboregulation in plant-associated □proteobacteria. *RNA Biology*, **2014**, 11, 550-62	4.8	32
97	Detection of oligomerisation and substrate recognition sites of small heat shock proteins by peptide arrays. *Biochemical and Biophysical Research Communications*, **2004**, 325, 401-7	3.4	32
96	The C-terminal domain of NifL is sufficient to inhibit NifA activity. *Journal of Bacteriology*, **1995**, 177, 5078-87	3.5	32
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94	Thermozymes: Synthetic RNA thermometers based on ribozyme activity. *RNA Biology*, **2013**, 10, 1010-6	4.8	30

93	Temperature and concentration-controlled dynamics of rhizobial small heat shock proteins. *FEBS Journal*, **2004**, 271, 2494-503		30
92	Multiple phospholipid N-methyltransferases with distinct substrate specificities are encoded in Bradyrhizobium japonicum. *Journal of Bacteriology*, **2008**, 190, 571-80	3.5	29
91	Overlapping and specialized functions of the molybdenum-dependent regulators MopA and MopB in Rhodobacter capsulatus. *Journal of Bacteriology*, **2006**, 188, 8441-51	3.5	29
90	Sequence and length recognition of the C-terminal turnover element of LpxC, a soluble substrate of the membrane-bound FtsH protease. *Journal of Molecular Biology*, **2007**, 372, 485-96	6.5	29
89	Replicon-specific regulation of small heat shock genes in Agrobacterium tumefaciens. *Journal of Bacteriology*, **2004**, 186, 6824-9	3.5	28
88	mRNA-mediated detection of environmental conditions. *Archives of Microbiology*, **2002**, 178, 404-10	3	28
87	Proteomic and transcriptomic characterization of a virulence-deficient phosphatidylcholine-negative Agrobacterium tumefaciens mutant. *Molecular Genetics and Genomics*, **2010**, 283, 575-89	3.1	27
86	Short ROSE-like RNA thermometers control IbpA synthesis in Pseudomonas species. *PLoS ONE*, **2013**, 8, e65168	3.7	27
85	Mini review: ATP-dependent proteases in bacteria. *Biopolymers*, **2016**, 105, 505-17	2.2	27
84	Phosphatidylcholine biosynthesis in Xanthomonas campestris via a yeast-like acylation pathway. *Molecular Microbiology*, **2014**, 91, 736-50	4.1	26
83	Membrane lipids in Agrobacterium tumefaciens: biosynthetic pathways and importance for pathogenesis. *Frontiers in Plant Science*, **2014**, 5, 109	6.2	26
82	Regulatory RNAs in prokaryotes: here, there and everywhere. *Molecular Microbiology*, **2009**, 74, 261-9	4.1	26
81	Profound impact of Hfq on nutrient acquisition, metabolism and motility in the plant pathogen Agrobacterium tumefaciens. *PLoS ONE*, **2014**, 9, e110427	3.7	24
80	Two genes encoding a putative multidrug efflux pump of the RND/MFP family are cotranscribed with an rpoH gene in Bradyrhizobium japonicum. *Gene*, **2000**, 241, 247-54	3.8	24
79	Small heat-shock protein HspL is induced by VirB protein(s) and promotes VirB/D4-mediated DNA transfer in Agrobacterium tumefaciens. *Microbiology (United Kingdom)*, **2009**, 155, 3270-3280	2.9	23
78	In vitro characterization of the enzyme properties of the phospholipid N-methyltransferase PmtA from Agrobacterium tumefaciens. *Journal of Bacteriology*, **2009**, 191, 2033-41	3.5	22
77	S-adenosylmethionine-binding properties of a bacterial phospholipid N-methyltransferase. *Journal of Bacteriology*, **2011**, 193, 3473-81	3.5	20
76	Structure-function studies of Escherichia coli RpoH (sigma32) by in vitro linker insertion mutagenesis. *Journal of Bacteriology*, **2003**, 185, 2731-8	3.5	20

75	Coordinated regulation of nitrogen fixation and molybdate transport by molybdenum. *Molecular Microbiology*, **2019**, 111, 17-30	4.1	20
74	Membrane-binding mechanism of a bacterial phospholipid N-methyltransferase. *Molecular Microbiology*, **2015**, 95, 313-31	4.1	19
73	Discovery of a bifunctional cardiolipin/phosphatidylethanolamine synthase in bacteria. *Molecular Microbiology*, **2014**, 92, 959-72	4.1	19
72	Nonnative disulfide bond formation activates the σ32-dependent heat shock response in Escherichia coli. *Journal of Bacteriology*, **2013**, 195, 2807-16	3.5	19
71	How to find RNA thermometers. *Frontiers in Cellular and Infection Microbiology*, **2014**, 4, 132	5.9	19
70	The small heat-shock protein HspL is a VirB8 chaperone promoting type IV secretion-mediated DNA transfer. *Journal of Biological Chemistry*, **2010**, 285, 19757-66	5.4	19
69	Conditional Proteolysis of the Membrane Protein YfgM by the FtsH Protease Depends on a Novel N-terminal Degron. *Journal of Biological Chemistry*, **2015**, 290, 19367-78	5.4	18
68	Mechanistic insights into temperature-dependent regulation of the simple cyanobacterial hsp17 RNA thermometer at base-pair resolution. *Nucleic Acids Research*, **2015**, 43, 5572-85	20.1	18
67	Global consequences of phosphatidylcholine reduction in Bradyrhizobium japonicum. *Molecular Genetics and Genomics*, **2008**, 280, 59-72	3.1	18
66	An internal region of the RpoH heat shock transcription factor is critical for rapid degradation by the FtsH protease. *FEBS Letters*, **2001**, 493, 17-20	3.8	18
65	Cloning, nucleotide sequence and structural analysis of the Clostridium acetobutylicum dnaJ gene. *FEMS Microbiology Letters*, **1993**, 114, 53-60	2.9	18
64	Promoter selectivity of the Bradyrhizobium japonicum RpoH transcription factors in vivo and in vitro. *Journal of Bacteriology*, **1998**, 180, 2395-401	3.5	18
63	Region C of the Escherichia coli heat shock sigma factor RpoH (sigma 32) contains a turnover element for proteolysis by the FtsH protease. *FEMS Microbiology Letters*, **2009**, 290, 199-208	2.9	17
62	Exploring the modular nature of riboswitches and RNA thermometers. *Nucleic Acids Research*, **2016**, 44, 5410-23	20.1	17
61	Intricate Crosstalk Between Lipopolysaccharide, Phospholipid and Fatty Acid Metabolism in Modulates Proteolysis of LpxC. *Frontiers in Microbiology*, **2018**, 9, 3285	5.7	17
60	Systematic probing of the bacterial RNA structurome to reveal new functions. *Current Opinion in Microbiology*, **2017**, 36, 14-19	7.9	16
59	A tricistronic heat shock operon is important for stress tolerance of Pseudomonas putida and conserved in many environmental bacteria. *Environmental Microbiology*, **2014**, 16, 1835-53	5.2	16
58	Coordinated expression of fdxD and molybdenum nitrogenase genes promotes nitrogen fixation by Rhodobacter capsulatus in the presence of oxygen. *Journal of Bacteriology*, **2014**, 196, 633-40	3.5	15

57	Differential control of Salmonella heat shock operons by structured mRNAs. *Molecular Microbiology*, **2013**, 89, 715-31	4.1	15
56	Region 2.1 of the Escherichia coli heat-shock sigma factor RpoH (sigma32) is necessary but not sufficient for degradation by the FtsH protease. *Microbiology (United Kingdom)*, **2007**, 153, 2560-2571	2.9	15
55	An RNA thermometer dictates production of a secreted bacterial toxin. *PLoS Pathogens*, **2020**, 16, e1008164	7.464	14
54	An Integrated Proteomic Approach Uncovers Novel Substrates and Functions of the Lon Protease in Escherichia coli. *Proteomics*, **2018**, 18, e1800080	4.8	14
53	Translational control of small heat shock genes in mesophilic and thermophilic cyanobacteria by RNA thermometers. *RNA Biology*, **2014**, 11, 594-608	4.8	14
52	Transcriptional and posttranscriptional events control copper-responsive expression of a Rhodobacter capsulatus multicopper oxidase. *Journal of Bacteriology*, **2012**, 194, 1849-59	3.5	14
51	In vivo trapping of FtsH substrates by label-free quantitative proteomics. *Proteomics*, **2016**, 16, 3161-3172	4.428	13
50	Specific interactions between four molybdenum-binding proteins contribute to Mo-dependent gene regulation in Rhodobacter capsulatus. *Journal of Bacteriology*, **2009**, 191, 5205-15	3.5	13
49	Differential degradation of Escherichia coli sigma32 and Bradyrhizobium japonicum RpoH factors by the FtsH protease. *FEBS Journal*, **2000**, 267, 4831-9		13
48	Design of a Temperature-Responsive Transcription Terminator. *ACS Synthetic Biology*, **2018**, 7, 613-621	5.7	13
47	Membrane Remodeling by a Bacterial Phospholipid-Methylating Enzyme. *MBio*, **2017**, 8,	7.8	12
46	Lead-seq: transcriptome-wide structure probing in vivo using lead(II) ions. *Nucleic Acids Research*, **2020**, 48, e71	20.1	12
45	Choline uptake in Agrobacterium tumefaciens by the high-affinity ChoXWV transporter. *Journal of Bacteriology*, **2011**, 193, 5119-29	3.5	12
44	A Small Regulatory RNA Controls Cell Wall Biosynthesis and Antibiotic Resistance. *MBio*, **2018**, 9,	7.8	12
43	Enzymatic properties and substrate specificity of a bacterial phosphatidylcholine synthase. *FEBS Journal*, **2014**, 281, 3523-41	5.7	11
42	One out of four: HspL but no other small heat shock protein of Agrobacterium tumefaciens acts as efficient virulence-promoting VirB8 chaperone. *PLoS ONE*, **2012**, 7, e49685	3.7	11
41	Relevance of individual Mo-box nucleotides to DNA binding by the related molybdenum-responsive regulators MopA and MopB in Rhodobacter capsulatus. *FEMS Microbiology Letters*, **2010**, 307, 191-200	2.9	10
40	A phosphatidic acid-binding protein is important for lipid homeostasis and adaptation to anaerobic biofilm conditions in. *Biochemical Journal*, **2018**, 475, 1885-1907	3.8	9

39	Molybdate uptake by Agrobacterium tumefaciens correlates with the cellular molybdenum cofactor status. *Molecular Microbiology*, **2016**, 101, 809-22	4.1	9
38	The Bradyrhizobium japonicum phoB gene is required for phosphate-limited growth but not for symbiotic nitrogen fixation. *FEMS Microbiology Letters*, **1998**, 161, 47-52	2.9	9
37	Identification of the Bradyrhizobium japonicum degP gene as part of an operon containing small heat-shock protein genes. *Archives of Microbiology*, **1998**, 169, 89-97	3	9
36	A Salmonella Typhi RNA thermosensor regulates virulence factors and innate immune evasion in response to host temperature. *PLoS Pathogens*, **2021**, 17, e1009345	7.6	9
35	Faltung einer RNA-Haarnadel in der dicht gedr□gten Zelle. *Angewandte Chemie*, **2016**, 128, 3279-3283	3.6	9
34	Virulence of Agrobacterium tumefaciens requires lipid homeostasis mediated by the lysyl-phosphatidylglycerol hydrolase AcvB. *Molecular Microbiology*, **2019**, 111, 269-286	4.1	9
33	An unconventional RNA-based thermosensor within the 5SUTR of Staphylococcus aureus cidA. *PLoS ONE*, **2019**, 14, e0214521	3.7	8
32	The Copper Efflux Regulator CueR Is Subject to ATP-Dependent Proteolysis in. *Frontiers in Molecular Biosciences*, **2017**, 4, 9	5.6	8
31	Modular arrangement of regulatory RNA elements. *RNA Biology*, **2017**, 14, 287-292	4.8	7
30	One gene, two proteins: coordinated production of a copper chaperone by differential transcript formation and□translational frameshifting in Escherichia coli. *Molecular Microbiology*, **2017**, 106, 635-645	4.1	7
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26	The RNase YbeY Is Vital for Ribosome Maturation, Stress Resistance, and Virulence of the Natural Genetic Engineer. *Journal of Bacteriology*, **2019**, 201,	3.5	6
25	Regulation of OmpA Translation and Shigella dysenteriae Virulence by an RNA Thermometer. *Infection and Immunity*, **2020**, 88,	3.7	6
24	RNA Thermometers in Bacterial Pathogens **2018**, 55-73		6
23	Lon Protease Removes Excess Signal Recognition Particle Protein in Escherichia coli. *Journal of Bacteriology*, **2020**, 202,	3.5	5
22	Characterization of Damage to Bacteria and Bio-macromolecules Caused by (V)UV Radiation and Particles Generated by a Microscale Atmospheric Pressure Plasma Jet. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2012**, 17-29	0.1	5

21	Synthesis of heat shock proteins in Thermoanaerobacterium thermosulfurigenes EM1 (Clostridium thermosulfurogenes EM1). *Current Microbiology*, **1994**, 29, 13-8	2.4	5
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19	Tellurite resistance gene trgB confers copper tolerance to Rhodobacter capsulatus. *BioMetals*, **2012**, 25, 995-1008	3.4	4
18	Characterization of the Bradyrhizobium japonicum ftsH gene and its product. *Journal of Bacteriology*, **1999**, 181, 7394-7	3.5	4
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16	Small Heat Shock Proteins: Dynamic Players in the Folding Game830-857		3
15	Small Heat Shock Proteins OR: A Subgroup of Molecular Chaperones. *Journal of Biological Sciences*, **2004**, 5, 1-9	0.4	2
14	A LysR-type transcriptional regulator controls the expression of numerous small RNAs in Agrobacterium tumefaciens. *Molecular Microbiology*, **2021**, 116, 126-139	4.1	2
13	Adaptive responses of to treatment with antibiotics. *Antimicrobial Agents and Chemotherapy*, **2021**, AAC0087821	5.9	2
12	The gatekeeper of Yersinia type III secretion is under RNA thermometer control. *PLoS Pathogens*, **2021**, 17, e1009650	7.6	1
11	Recombinant and endogenous ways to produce methylated phospholipids in Escherichia coli. *Applied Microbiology and Biotechnology*, **2021**, 105, 8837-8851	5.7	1
10	Control of Bacterial Heat Shock and Virulence Genes by RNA Thermometers **2012**, 183-193		1
9	Next-Generation Trapping of Protease Substrates by Label-Free Proteomics. *Methods in Molecular Biology*, **2018**, 1841, 189-206	1.4	1
8	Phospholipid -Methyltransferases Produce Various Methylated Phosphatidylethanolamine Derivatives in Thermophilic Bacteria. *Applied and Environmental Microbiology*, **2021**, 87, e0110521	4.8	1
7	Type IV and Type VI Secretion Systems Reside in Detergent-Resistant Membranes.. *Frontiers in Microbiology*, **2021**, 12, 754486	5.7	0
6	OmpA, a Common Virulence Factor, Is Under RNA Thermometer Control in. *Frontiers in Microbiology* , **2021**, 12, 687260	5.7	0
5	Synthesis of the unusual lipid bis(monoacylglycero)phosphate in environmental bacteria. *Environmental Microbiology*, **2021**, 23, 6993-7008	5.2	0
4	RNA thermometer-coordinated assembly of the Yersinia injectisome. *Journal of Molecular Biology*, **2022**, 167667	6.5	0

3	Sensory RNAs **2009**, 415-426	
2	Small Heat Shock Proteins830	
1	A Novel, Universally Active C-terminal Protein Degradation Signal Generated by Alternative Splicing. *Journal of Molecular Biology*, **2021**, 433, 166890	6.5