Franz Narberhaus

List of Publications by Year
in descending order

164	7,707	41258 49	69108 77
papers	citations	h-index	g-index

191	191	191	5988
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Î±-Crystallin-Type Heat Shock Proteins: Socializing Minichaperones in the Context of a Multichaperone Network. Microbiology and Molecular Biology Reviews, 2002, 66, 64-93.	2.9	480
2	Bacterial RNA thermometers: molecular zippers and switches. Nature Reviews Microbiology, 2012, 10, 255-265.	13.6	338
3	RNA thermometers. FEMS Microbiology Reviews, 2006, 30, 3-16.	3.9	253
4	Negative regulation of bacterial heat shock genes. Molecular Microbiology, 1999, 31, 1-8.	1.2	224
5	Microbial thermosensors. Cellular and Molecular Life Sciences, 2009, 66, 2661-2676.	2.4	158
6	Structure and function of the bacterial AAA protease FtsH. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 40-48.	1.9	153
7	Molecular basis for temperature sensing by an RNA thermometer. EMBO Journal, 2006, 25, 2487-2497.	3.5	150
8	FourU: a novel type of RNA thermometer in <i>Salmonella</i>. Molecular Microbiology, 2007, 65, 413-424.	1.2	147
9	Concerted Actions of a Thermo-labile Regulator and a Unique Intergenic RNA Thermosensor Control Yersinia Virulence. PLoS Pathogens, 2012, 8, e1002518.	2.1	144
10	Two different stator systems drive a single polar flagellum in <i>Shewanella oneidensis</i> MRâ€‘1. Molecular Microbiology, 2009, 71, 836-850.	1.2	139
11	Molecular characterization of the dnaK gene region of Clostridium acetobutylicum, including grpE, dnaJ, and a new heat shock gene. Journal of Bacteriology, 1992, 174, 3290-3299.	1.0	133
12	Cloning, sequencing, and molecular analysis of the groESL operon of Clostridium acetobutylicum. Journal of Bacteriology, 1992, 174, 3282-3289.	1.0	116
13	Direct observation of the temperature-induced melting process of the Salmonella fourU RNA thermometer at base-pair resolution. Nucleic Acids Research, 2010, 38, 3834-3847.	6.5	105
14	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, 103-107.	3.3	94
15	The C-terminal end of LpxC is required for degradation by the FtsH protease. Molecular Microbiology, 2006, 59, 1025-1036.	1.2	93
16	Multiple Small Heat Shock Proteins in Rhizobia. Journal of Bacteriology, 1999, 181, 83-90.	1.0	90
17	Translation on demand by a simple RNA-based thermosensor. Nucleic Acids Research, 2011, 39, 2855-2868.	6.5	88
18	Deep sequencing uncovers numerous small RNAs on all four replicons of the plant pathogen Agrobacterium tumefaciens. RNA Biology, 2012, 9, 446-457.	1.5	88

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19	Virulence ofAgrobacterium tumefaciensrequires phosphatidylcholine in the bacterial membrane. Molecular Microbiology, 2006, 62, 906-915.	1.2	85
20	Temperature-controlled Structural Alterations of an RNA Thermometer. Journal of Biological Chemistry, 2003, 278, 47915-47921.	1.6	83
21	IcmF Family Protein TssM Exhibits ATPase Activity and Energizes Type VI Secretion. Journal of Biological Chemistry, 2012, 287, 15610-15621.	1.6	83
22	When, how and why? Regulated proteolysis by the essential FtsH protease in <i>Escherichia coli</i>. Biological Chemistry, 2017, 398, 625-635.	1.2	83
23	Phosphatidylcholine levels in Bradyrhizobium japonicum membranes are critical for an efficient symbiosis with the soybean host plant. Molecular Microbiology, 2004, 39, 1186-1198.	1.2	82
24	A critical motif for oligomerization and chaperone activity of bacterial Î±-heat shock proteins. FEBS Journal, 2002, 269, 3578-3586.	0.2	81
25	Translational control of bacterial heat shock and virulence genes by temperature-sensing mRNAs. RNA Biology, 2010, 7, 84-89.	1.5	81
26	Chaperone Activity and Homo- and Hetero-oligomer Formation of Bacterial Small Heat Shock Proteins. Journal of Biological Chemistry, 2000, 275, 37212-37218.	1.6	78
27	Temperature-responsive in vitro RNA structurome of <i>Yersinia pseudotuberculosis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7237-7242.	3.3	78
28	RNA thermometers are common in Î±- and Î³-proteobacteria. Biological Chemistry, 2005, 386, 1279-1286.	1.2	77
29	RNA thermometer controls temperature-dependent virulence factor expression in <i>Vibrio cholerae</i>. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14241-14246.	3.3	77
30	Phosphatidylcholine biosynthesis and its significance in bacteria interacting with eukaryotic cells. European Journal of Cell Biology, 2010, 89, 888-894.	1.6	76
31	RNA Hairpin Folding in the Crowded Cell. Angewandte Chemie - International Edition, 2016, 55, 3224-3228.	7.2	73
32	Hfq Influences Multiple Transport Systems and Virulence in the Plant Pathogen Agrobacterium tumefaciens. Journal of Bacteriology, 2012, 194, 5209-5217.	1.0	68
33	A Trapping Approach Reveals Novel Substrates and Physiological Functions of the Essential Protease FtsH in Escherichia coli. Journal of Biological Chemistry, 2012, 287, 42962-42971.	1.6	67
34	The Role of VUV Radiation in the Inactivation of Bacteria with an Atmospheric Pressure Plasma Jet. Plasma Processes and Polymers, 2012, 9, 561-568.	1.6	66
35	A novel DNA element that controls bacterial heat shock gene expression. Molecular Microbiology, 1998, 28, 315-323.	1.2	65
36	Small RNAâ€mediated control of the <i>Agrobacterium tumefaciens</i> GABA binding protein. Molecular Microbiology, 2011, 80, 492-506.	1.2	65

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37	Three disparately regulated genes for Ïƒ 32 â€like transcription factors in Bradyrhizobium japonicum. Molecular Microbiology, 1997, 24, 93-104.	1.2	62
38	Temperature-driven differential gene expression by RNA thermosensors. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2014, 1839, 978-988.	0.9	62
39	Modulation of the stability of the Salmonella fourU-type RNA thermometer. Nucleic Acids Research, 2011, 39, 8258-8270.	6.5	61
40	RNA-Mediated Thermoregulation of Iron-Acquisition Genes in Shigella dysenteriae and Pathogenic Escherichia coli. PLoS ONE, 2013, 8, e63781.	1.1	60
41	ROSE elements occur in disparate rhizobia and are functionally interchangeable between species. Archives of Microbiology, 2001, 176, 44-51.	1.0	59
42	RNA Thermometers in Bacterial Pathogens. Microbiology Spectrum, 2018, 6, .	1.2	59
43	Generation of synthetic RNA-based thermosensors. Biological Chemistry, 2008, 389, 1319-26.	1.2	57
44	The PqsR and RhlR Transcriptional Regulators Determine the Level of Pseudomonas Quinolone Signal Synthesis in Pseudomonas aeruginosa by Producing Two Different <i>pqsABCDE</i> mRNA Isoforms. Journal of Bacteriology, 2014, 196, 4163-4171.	1.0	57
45	Induction of heat shock proteins during initiation of solvent formation inClostridium acetobutylicum. Applied Microbiology and Biotechnology, 1990, 33, 697-704.	1.7	56
46	Expression of heat shock genes inClostridium acetobutylicum. FEMS Microbiology Reviews, 1995, 17, 341-348.	3.9	55
47	Multiple layers of control govern expression of the Escherichia coli ibpAB heat-shock operon. Microbiology (United Kingdom), 2011, 157, 66-76.	0.7	55
48	The<i>Escherichia coli</i>ibpA thermometer is comprised of stable and unstable structural elements. RNA Biology, 2009, 6, 455-463.	1.5	54
49	FtsH-Mediated Coordination of Lipopolysaccharide Biosynthesis in Escherichia coli Correlates with the Growth Rate and the Alarmone (p)ppGpp. Journal of Bacteriology, 2013, 195, 1912-1919.	1.0	54
50	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, 1090-1097.	1.0	53
51	Role of HrcA and CIRCE in the Heat Shock Regulatory Network of <i>Bradyrhizobium japonicum</i>. Journal of Bacteriology, 2000, 182, 14-22.	1.0	52
52	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.	1.3	52
53	In vitro activity of NifL, a signal transduction protein for biological nitrogen fixation. Journal of Bacteriology, 1993, 175, 7683-7688.	1.0	50
54	Proteome analysis of heat shock protein expression in Bradyrhizobium japonicum. FEBS Journal, 1999, 264, 39-48.	0.2	50

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55	Constitutive production of c-di-GMP is associated with mutations in a variant of <i>Pseudomonas aeruginosa</i> with altered membrane composition. Science Signaling, 2015, 8, ra36.	1.6	49
56	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, 485-496.	2.0	46
57	The GntR-Like Regulator TauR Activates Expression of Taurine Utilization Genes in <i>Rhodobacter capsulatus</i>. Journal of Bacteriology, 2008, 190, 487-493.	1.0	45
58	Degradation of cytoplasmic substrates by FtsH, a membrane-anchored protease with many talents. Research in Microbiology, 2009, 160, 652-659.	1.0	45
59	The <i>Escherichia coli</i> replication inhibitor CspD is subject to growthâ€regulated degradation by the Lon protease. Molecular Microbiology, 2011, 80, 1313-1325.	1.2	43
60	Riboregulation in plant-associated Î±-proteobacteria. RNA Biology, 2014, 11, 550-562.	1.5	43
61	Genome-wide bioinformatic prediction and experimental evaluation of potential RNA thermometers. Molecular Genetics and Genomics, 2007, 278, 555-564.	1.0	41
62	A <i>Rhodobacter capsulatus</i> Member of a Universal Permease Family Imports Molybdate and Other Oxyanions. Journal of Bacteriology, 2010, 192, 5943-5952.	1.0	41
63	Structural and Functional Defects Caused by Point Mutations in the Î±-Crystallin Domain of a Bacterial Î±-Heat Shock Protein. Journal of Molecular Biology, 2003, 328, 927-937.	2.0	40
64	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, 624-640.	1.5	40
65	An Integrated Proteomic Approach Uncovers Novel Substrates and Functions of the Lon Protease in <i>Escherichia coli</i>. Proteomics, 2018, 18, e1800080.	1.3	40
66	The dnaKJ operon belongs to the Ïƒ32-dependent class of heat shock genes in Bradyrhizobium japonicum. Molecular Genetics and Genomics, 1997, 254, 195-206.	2.4	39
67	Thermogenetic tools to monitor temperature-dependent gene expression in bacteria. Journal of Biotechnology, 2012, 160, 55-63.	1.9	39
68	Mini review: ATPâ€dependent proteases in bacteria. Biopolymers, 2016, 105, 505-517.	1.2	39
69	Coordinated regulation of nitrogen fixation and molybdate transport by molybdenum. Molecular Microbiology, 2019, 111, 17-30.	1.2	39
70	Short ROSE-Like RNA Thermometers Control IbpA Synthesis in Pseudomonas Species. PLoS ONE, 2013, 8, e65168.	1.1	39
71	Identification of a Turnover Element in Region 2.1 of Escherichia coli Ïƒ 32 by a Bacterial One-Hybrid Approach. Journal of Bacteriology, 2005, 187, 3807-3813.	1.0	38
72	Expression and Physiological Relevance of Agrobacterium tumefaciens Phosphatidylcholine Biosynthesis Genes. Journal of Bacteriology, 2009, 191, 365-374.	1.0	38

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73	Detection of oligomerisation and substrate recognition sites of small heat shock proteins by peptide arrays. Biochemical and Biophysical Research Communications, 2004, 325, 401-407.	1.0	37
74	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, 2013, 24, 4819-4836.	3.1	37
75	Structure-Function Studies of Escherichia coli RpoH (Ïƒ 32) by In Vitro Linker Insertion Mutagenesis. Journal of Bacteriology, 2003, 185, 2731-2738.	1.0	36
76	Temperature and concentration-controlled dynamics of rhizobial small heat shock proteins. FEBS Journal, 2004, 271, 2494-2503.	0.2	36
77	The C-terminal domain of NifL is sufficient to inhibit NifA activity. Journal of Bacteriology, 1995, 177, 5078-5087.	1.0	35
78	Phosphatidylcholine biosynthesis in <scp><i>X</i></scp><i>anthomonas campestris</i> via a yeastâ€like acylation pathway. Molecular Microbiology, 2014, 91, 736-750.	1.2	35
79	Intricate Crosstalk Between Lipopolysaccharide, Phospholipid and Fatty Acid Metabolism in Escherichia coli Modulates Proteolysis of LpxC. Frontiers in Microbiology, 2018, 9, 3285.	1.5	35
80	Thermozymes. RNA Biology, 2013, 10, 1009-1016.	1.5	34
81	Membrane lipids in Agrobacterium tumefaciens: biosynthetic pathways and importance for pathogenesis. Frontiers in Plant Science, 2014, 5, 109.	1.7	34
82	Overlapping and Specialized Functions of the Molybdenum-Dependent Regulators MopA and MopB in Rhodobacter capsulatus. Journal of Bacteriology, 2006, 188, 8441-8451.	1.0	33
83	Conditional Proteolysis of the Membrane Protein YfgM by the FtsH Protease Depends on a Novel N-terminal Degron. Journal of Biological Chemistry, 2015, 290, 19367-19378.	1.6	32
84	Multiple Phospholipid <i>N</i> -Methyltransferases with Distinct Substrate Specificities Are Encoded in <i>Bradyrhizobium japonicum</i>. Journal of Bacteriology, 2008, 190, 571-580.	1.0	31
85	mRNA-mediated detection of environmental conditions. Archives of Microbiology, 2002, 178, 404-410.	1.0	30
86	Global consequences of phosphatidylcholine reduction in Bradyrhizobium japonicum. Molecular Genetics and Genomics, 2008, 280, 59-72.	1.0	30
87	Proteomic and transcriptomic characterization of a virulence-deficient phosphatidylcholine-negative Agrobacterium tumefaciens mutant. Molecular Genetics and Genomics, 2010, 283, 575-589.	1.0	30
88	Replicon-Specific Regulation of Small Heat Shock Genes in Agrobacterium tumefaciens. Journal of Bacteriology, 2004, 186, 6824-6829.	1.0	29
89	Profound Impact of Hfq on Nutrient Acquisition, Metabolism and Motility in the Plant Pathogen Agrobacterium tumefaciens. PLoS ONE, 2014, 9, e110427.	1.1	29
90	Regulatory RNAs in prokaryotes: here, there and everywhere. Molecular Microbiology, 2009, 74, 261-269.	1.2	28

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91	Nonnative Disulfide Bond Formation Activates the Ïƒ 32 -Dependent Heat Shock Response in Escherichia coli. Journal of Bacteriology, 2013, 195, 2807-2816.	1.0	28
92	In vivo trapping of FtsH substrates by labelâ€free quantitative proteomics. Proteomics, 2016, 16, 3161-3172.	1.3	27
93	In Vitro Characterization of the Enzyme Properties of the Phospholipid <i>N</i> -Methyltransferase PmtA from <i>Agrobacterium tumefaciens</i>. Journal of Bacteriology, 2009, 191, 2033-2041.	1.0	25
94	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, 247-254.	1.0	24
95	Coordinated Expression of <i>fdxD</i> and Molybdenum Nitrogenase Genes Promotes Nitrogen Fixation by Rhodobacter capsulatus in the Presence of Oxygen. Journal of Bacteriology, 2014, 196, 633-640.	1.0	24
96	Mechanistic insights into temperature-dependent regulation of the simple cyanobacterial hsp17 RNA thermometer at base-pair resolution. Nucleic Acids Research, 2015, 43, 5572-5585.	6.5	24
97	Lead-seq: transcriptome-wide structure probing in vivo using lead(II) ions. Nucleic Acids Research, 2020, 48, e71-e71.	6.5	24
98	An RNA thermometer dictates production of a secreted bacterial toxin. PLoS Pathogens, 2020, 16, e1008184.	2.1	24
99	How to find RNA thermometers. Frontiers in Cellular and Infection Microbiology, 2014, 4, 132.	1.8	23
100	Discovery of a bifunctional cardiolipin/phosphatidylethanolamine synthase in bacteria. Molecular Microbiology, 2014, 92, 959-972.	1.2	23
101	Exploring the modular nature of riboswitches and RNA thermometers. Nucleic Acids Research, 2016, 44, 5410-5423.	6.5	23
102	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.	0.7	23
103	Promoter Selectivity of the Bradyrhizobium japonicum RpoH Transcription Factors In Vivo and In Vitro. Journal of Bacteriology, 1998, 180, 2395-2401.	1.0	22
104	The Small Heat-shock Protein HspL Is a VirB8 Chaperone Promoting Type IV Secretion-mediated DNA Transfer. Journal of Biological Chemistry, 2010, 285, 19757-19766.	1.6	21
105	<i>S</i> -Adenosylmethionine-Binding Properties of a Bacterial Phospholipid <i>N</i> -Methyltransferase. Journal of Bacteriology, 2011, 193, 3473-3481.	1.0	21
106	Membraneâ€binding mechanism of a bacterial phospholipid <scp>N</scp>â€methyltransferase. Molecular Microbiology, 2015, 95, 313-331.	1.2	21
107	Region C of the Escherichia coli heat shock sigma factor RpoH (Ïƒ32) contains a turnover element for proteolysis by the FtsH protease. FEMS Microbiology Letters, 2009, 290, 199-208.	0.7	20
108	Transcriptional and Posttranscriptional Events Control Copper-Responsive Expression of a Rhodobacter capsulatus Multicopper Oxidase. Journal of Bacteriology, 2012, 194, 1849-1859.	1.0	20

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109	Translational control of small heat shock genes in mesophilic and thermophilic cyanobacteria by RNA thermometers. RNA Biology, 2014, 11, 594-608.	1.5	20
110	A tricistronic heat shock operon is important for stress tolerance of <scp><i>P</i></scp><i>seudomonas putida</i> and conserved in many environmental bacteria. Environmental Microbiology, 2014, 16, 1835-1853.	1.8	20
111	Differential control of <i><scp>S</scp>almonella</i> heat shock operons by structured <scp>mRNAs</scp>. Molecular Microbiology, 2013, 89, 715-731.	1.2	19
112	Membrane Remodeling by a Bacterial Phospholipid-Methylating Enzyme. MBio, 2017, 8, .	1.8	19
113	Systematic probing of the bacterial RNA structurome to reveal new functions. Current Opinion in Microbiology, 2017, 36, 14-19.	2.3	19
114	Cloning, nucleotide sequence and structural analysis of the Clostridium acetobutylicum dnaJ gene. FEMS Microbiology Letters, 1993, 114, 53-60.	0.7	18
115	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.	1.3	18
116	Region 2.1 of the Escherichia coli heat-shock sigma factor RpoH (Ïƒ 32) is necessary but not sufficient for degradation by the FtsH protease. Microbiology (United Kingdom), 2007, 153, 2560-2571.	0.7	18
117	Design of a Temperature-Responsive Transcription Terminator. ACS Synthetic Biology, 2018, 7, 613-621.	1.9	18
118	A Salmonella Typhi RNA thermosensor regulates virulence factors and innate immune evasion in response to host temperature. PLoS Pathogens, 2021, 17, e1009345.	2.1	18
119	A phosphatidic acid-binding protein is important for lipid homeostasis and adaptation to anaerobic biofilm conditions in <i>Pseudomonas aeruginosa</i>. Biochemical Journal, 2018, 475, 1885-1907.	1.7	15
120	Differential degradation of Escherichia coliÏƒ32 and Bradyrhizobium japonicum RpoH factors by the FtsH protease. FEBS Journal, 2000, 267, 4831-4839.	0.2	14
121	NifA- and CooA-Coordinated <i>cowN</i> Expression Sustains Nitrogen Fixation by Rhodobacter capsulatus in the Presence of Carbon Monoxide. Journal of Bacteriology, 2014, 196, 3494-3502.	1.0	14
122	A Small Regulatory RNA Controls Cell Wall Biosynthesis and Antibiotic Resistance. MBio, 2018, 9, .	1.8	14
123	Virulence of <i>Agrobacterium</i><i>tumefaciens</i> requires lipid homeostasis mediated by the lysylâ€phosphatidylglycerol hydrolase AcvB. Molecular Microbiology, 2019, 111, 269-286.	1.2	14
124	Arginine-Rich Small Proteins with a Domain of Unknown Function, DUF1127, Play a Role in Phosphate and Carbon Metabolism of Agrobacterium tumefaciens. Journal of Bacteriology, 2020, 202, .	1.0	14
125	Specific Interactions between Four Molybdenum-Binding Proteins Contribute to Mo-Dependent Gene Regulation in <i>Rhodobacter capsulatus</i>. Journal of Bacteriology, 2009, 191, 5205-5215.	1.0	13
126	Enzymatic properties and substrate specificity of a bacterial phosphatidylcholine synthase. FEBS Journal, 2014, 281, 3523-3541.	2.2	13

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127	An unconventional RNA-based thermosensor within the 5â€™ UTR of Staphylococcus aureus cidA. PLoS ONE, 2019, 14, e0214521.	1.1	13
128	Lon Protease Removes Excess Signal Recognition Particle Protein in <i>Escherichia coli</i>. Journal of Bacteriology, 2020, 202, .	1.0	13
129	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.	1.0	12
130	Choline Uptake in Agrobacterium tumefaciens by the High-Affinity ChoXWV Transporter. Journal of Bacteriology, 2011, 193, 5119-5129.	1.0	12
131	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.	1.1	12
132	Unconventional membrane lipid biosynthesis in <scp><i>X</i></scp><i>anthomonas campestris</i>. Environmental Microbiology, 2015, 17, 3116-3124.	1.8	12
133	Modular arrangement of regulatory RNA elements. RNA Biology, 2017, 14, 287-292.	1.5	12
134	The Copper Efflux Regulator CueR Is Subject to ATP-Dependent Proteolysis in Escherichia coli. Frontiers in Molecular Biosciences, 2017, 4, 9.	1.6	12
135	Regulation of OmpA Translation and Shigella dysenteriae Virulence by an RNA Thermometer. Infection and Immunity, 2020, 88, .	1.0	12
136	Molybdate uptake by <i>Agrobacterium tumefaciens</i> correlates with the cellular molybdenum cofactor status. Molecular Microbiology, 2016, 101, 809-822.	1.2	11
137	TheBradyrhizobium japonicum phoBgene is required for phosphate-limited growth but not for symbiotic nitrogen fixation. FEMS Microbiology Letters, 1998, 161, 47-52.	0.7	10
138	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.	0.7	10
139	Faltung einer RNAâ€Haarnadel in der dicht gedrÃngten Zelle. Angewandte Chemie, 2016, 128, 3279-3283.	1.6	10
140	One gene, two proteins: coordinated production of a copper chaperone by differential transcript formation andÂtranslational frameshifting in <i>Escherichia coli</i>. Molecular Microbiology, 2017, 106, 635-645.	1.2	10
141	RNA Thermometers in Bacterial Pathogens. , 0, , 55-73.		10
142	A LysRâ€type transcriptional regulator controls the expression of numerous small RNAs in <i>Agrobacterium tumefaciens</i>. Molecular Microbiology, 2021, 116, 126-139.	1.2	9
143	The RNase YbeY Is Vital for Ribosome Maturation, Stress Resistance, and Virulence of the Natural Genetic Engineer Agrobacterium tumefaciens. Journal of Bacteriology, 2019, 201, .	1.0	8
144	The gatekeeper of Yersinia type III secretion is under RNA thermometer control. PLoS Pathogens, 2021, 17, e1009650.	2.1	8

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145	Adaptive Responses of <i>Pseudomonas aeruginosa</i> to Treatment with Antibiotics. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0087821.	1.4	7
146	RNA Thermometer-coordinated Assembly of the Yersinia Injectisome. Journal of Molecular Biology, 2022, 434, 167667.	2.0	7
147	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.	0.5	6
148	OmpA, a Common Virulence Factor, Is Under RNA Thermometer Control in Yersinia pseudotuberculosis. Frontiers in Microbiology, 2021, 12, 687260.	1.5	6
149	Promiscuous phospholipid biosynthesis enzymes in the plant pathogen Pseudomonas syringae. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158926.	1.2	6
150	Synthesis of heat shock proteins inThermoanaerobacterium thermosulfurigenes EM1 (Clostridium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	5
151	Tellurite resistance gene trgB confers copper tolerance to Rhodobacter capsulatus. BioMetals, 2012, 25, 995-1008.	1.8	5
152	Dissection of membrane-binding and -remodeling regions in two classes of bacterial phospholipid N-methyltransferases. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2279-2288.	1.4	5
153	Recombinant and endogenous ways to produce methylated phospholipids in Escherichia coli. Applied Microbiology and Biotechnology, 2021, 105, 8837-8851.	1.7	5
154	Agrobacterium tumefaciens Type IV and Type VI Secretion Systems Reside in Detergent-Resistant Membranes. Frontiers in Microbiology, 2021, 12, 754486.	1.5	5
155	Characterization of the <i>Bradyrhizobium japonicum ftsH</i> Gene and Its Product. Journal of Bacteriology, 1999, 181, 7394-7397.	1.0	4
156	RNAs at fever pitch. Nature, 2013, 502, 178-179.	13.7	2
157	Next-Generation Trapping of Protease Substrates by Label-Free Proteomics. Methods in Molecular Biology, 2018, 1841, 189-206.	0.4	2
158	Synthesis of the unusual lipid bis(monoacylglycero)phosphate in environmental bacteria. Environmental Microbiology, 2021, 23, 6993-7008.	1.8	2
159	Small Heat Shock Proteins OR: A Subgroup of Molecular Chaperones. Journal of Biological Sciences, 2004, 5, 1-9.	0.1	2
160	A Novel, Universally Active C-terminal Protein Degradation Signal Generated by Alternative Splicing. Journal of Molecular Biology, 2021, 433, 166890.	2.0	1
161	Phospholipid N -Methyltransferases Produce Various Methylated Phosphatidylethanolamine Derivatives in Thermophilic Bacteria. Applied and Environmental Microbiology, 2021, 87, e0110521.	1.4	1
162	Control of Bacterial Heat Shock and Virulence Genes by RNA Thermometers. , 2012, , 183-193.		1

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163	Inverse folding based pre-training for the reliable identification of intrinsic transcription terminators. PLoS Computational Biology, 2022, 18, e1010240.	1.5	1
164	Front Cover: An Integrated Proteomic Approach Uncovers Novel Substrates and Functions of the Lon Protease in Escherichia coli. Proteomics, 2018, 18, 1870111.	1.3	0