Siegfried Scherer

List of Publications by Citations

217 papers	9,342 citations	56 h-index	88 g-index
219 ext. papers	10,581 ext. citations	4 avg, IF	6 L-index

#	Paper	IF	Citations
217	UV-B-induced synthesis of photoprotective pigments and extracellular polysaccharides in the terrestrial cyanobacterium Nostoc commune. *Journal of Bacteriology*, **1997**, 179, 1940-5	3.5	300
216	C-terminal domains of Listeria monocytogenes bacteriophage murein hydrolases determine specific recognition and high-affinity binding to bacterial cell wall carbohydrates. *Molecular Microbiology*, **2002**, 44, 335-49	4.1	275
215	Bacillus cereus, the causative agent of an emetic type of food-borne illness. *Molecular Nutrition and Food Research*, **2004**, 48, 479-87	5.9	262
214	Emetic toxin formation of Bacillus cereus is restricted to a single evolutionary lineage of closely related strains. *Microbiology (United Kingdom)*, **2005**, 151, 183-197	2.9	261
213	Identification and partial characterization of the nonribosomal peptide synthetase gene responsible for cereulide production in emetic Bacillus cereus. *Applied and Environmental Microbiology*, **2005**, 71, 105-13	4.8	200
212	Rapid and reliable identification of food-borne yeasts by Fourier-transform infrared spectroscopy. *Applied and Environmental Microbiology*, **1998**, 64, 2207-14	4.8	198
211	Diagnostic real-time PCR assays for the detection of emetic Bacillus cereus strains in foods and recent food-borne outbreaks. *Applied and Environmental Microbiology*, **2007**, 73, 1892-8	4.8	184
210	UV protection in cyanobacteria. *European Journal of Phycology*, **1999**, 34, 329-338	2.2	172
209	High incidence of Listeria monocytogenes in European red smear cheese. *International Journal of Food Microbiology*, **2001**, 63, 91-8	5.8	157
208	Cereulide synthetase gene cluster from emetic Bacillus cereus: structure and location on a mega virulence plasmid related to Bacillus anthracis toxin plasmid pXO1. *BMC Microbiology*, **2006**, 6, 20	4.5	154
207	Rewetting of drought-resistant blue-green algae: Time course of water uptake and reappearance of respiration, photosynthesis, and nitrogen fixation. *Oecologia*, **1984**, 62, 418-423	2.9	153
206	The hemolytic enterotoxin HBL is broadly distributed among species of the Bacillus cereus group. *Applied and Environmental Microbiology*, **1999**, 65, 5436-42	4.8	150
205	Heterogeneous endolysins in Listeria monocytogenes bacteriophages: a new class of enzymes and evidence for conserved holin genes within the siphoviral lysis cassettes. *Molecular Microbiology*, **1995**, 16, 1231-41	4.1	150
204	Identification of emetic toxin producing Bacillus cereus strains by a novel molecular assay. *FEMS Microbiology Letters*, **2004**, 232, 189-95	2.9	146
203	Do photosynthetic and respiratory electron transport chains share redox proteins?. *Trends in Biochemical Sciences*, **1990**, 15, 458-62	10.3	140
202	Surface microflora of four smear-ripened cheeses. *Applied and Environmental Microbiology*, **2005**, 71, 6489-500	4.8	136
201	Biodiversity of refrigerated raw milk microbiota and their enzymatic spoilage potential. *International Journal of Food Microbiology*, **2015**, 211, 57-65	5.8	134

200	Structure of a novel oligosaccharide-mycosporine-amino acid ultraviolet A/B sunscreen pigment from the terrestrial cyanobacterium Nostoc commune. *Journal of Biological Chemistry*, **1995**, 270, 8536-9	5.4	129
199	Fourier-transform infrared microspectroscopy, a novel and rapid tool for identification of yeasts. *Applied and Environmental Microbiology*, **2002**, 68, 4717-21	4.8	120
198	Interaction of photosynthesis, respiration and nitrogen fixation in cyanobacteria. *Photosynthesis Research*, **1988**, 15, 95-114	3.7	116
197	Gene cloning and expression and secretion of Listeria monocytogenes bacteriophage-lytic enzymes in Lactococcus lactis. *Applied and Environmental Microbiology*, **2000**, 66, 2951-8	4.8	111
196	Identification of coryneform bacteria and related taxa by Fourier-transform infrared (FT-IR) spectroscopy. *International Journal of Systematic and Evolutionary Microbiology*, **2002**, 52, 91-100	2.2	111
195	Three Bacillus cereus bacteriophage endolysins are unrelated but reveal high homology to cell wall hydrolases from different bacilli. *Journal of Bacteriology*, **1997**, 179, 2845-51	3.5	108
194	The murein hydrolase of the bacteriophage phi3626 dual lysis system is active against all tested Clostridium perfringens strains. *Applied and Environmental Microbiology*, **2002**, 68, 5311-7	4.8	108
193	Identification of yeasts and coryneform bacteria from the surface microflora of brick cheeses. *International Journal of Food Microbiology*, **1997**, 34, 115-29	5.8	103
192	Identification of microorganisms by FTIR spectroscopy: perspectives and limitations of the method. *Applied Microbiology and Biotechnology*, **2013**, 97, 7111-20	5.7	99
191	UV irradiation and desiccation modulate the three-dimensional extracellular matrix of Nostoc commune (Cyanobacteria). *Journal of Biological Chemistry*, **2005**, 280, 40271-81	5.4	96
190	Reliable and rapid identification of Listeria monocytogenes and Listeria species by artificial neural network-based Fourier transform infrared spectroscopy. *Applied and Environmental Microbiology*, **2006**, 72, 994-1000	4.8	95
189	Bacteriophage receptors on Listeria monocytogenes cells are the N-acetylglucosamine and rhamnose substituents of teichoic acids or the peptidoglycan itself. *Microbiology (United Kingdom)*, **1996**, 142 (Pt 4), 985-992	2.9	95
188	Sources of the adventitious microflora of a smear-ripened cheese. *Journal of Applied Microbiology*, **2006**, 101, 668-81	4.7	94
187	Temporal stability and biodiversity of two complex antilisterial cheese-ripening microbial consortia. *Applied and Environmental Microbiology*, **2003**, 69, 4012-8	4.8	94
186	Discrimination of psychrotrophic and mesophilic strains of the Bacillus cereus group by PCR targeting of major cold shock protein genes. *Applied and Environmental Microbiology*, **1998**, 64, 3525-9	4.8	94
185	Commercial ripening starter microorganisms inoculated into cheese milk do not successfully establish themselves in the resident microbial ripening consortia of a South german red smear cheese. *Applied and Environmental Microbiology*, **2008**, 74, 2210-7	4.8	84
184	A pediocin-producing Lactobacillus plantarum strain inhibits Listeria monocytogenes in a multispecies cheese surface microbial ripening consortium. *Applied and Environmental Microbiology*, **2003**, 69, 1854-7	4.8	82
183	Microbial biodiversity, quality and shelf life of microfiltered and pasteurized extended shelf life (ESL) milk from Germany, Austria and Switzerland. *International Journal of Food Microbiology*, **2012**, 154, 1-9	5.8	81

182	Pathogenic potential of fifty Bacillus weihenstephanensis strains. *FEMS Microbiology Letters*, **2002**, 215, 47-51	2.9	80
181	Massive horizontal gene transfer, strictly vertical inheritance and ancient duplications differentially shape the evolution of Bacillus cereus enterotoxin operons hbl, cytK and nhe. *BMC Evolutionary Biology*, **2015**, 15, 246	3	79
180	The two-component lysis system of Staphylococcus aureus bacteriophage Twort: a large TTG-start holin and an associated amidase endolysin. *FEMS Microbiology Letters*, **1998**, 162, 265-74	2.9	79
179	The macrocyclic peptide antibiotic micrococcin P(1) is secreted by the food-borne bacterium Staphylococcus equorum WS 2733 and inhibits Listeria monocytogenes on soft cheese. *Applied and Environmental Microbiology*, **2000**, 66, 2378-84	4.8	75
178	Listeria weihenstephanensis sp. nov., isolated from the water plant Lemna trisulca taken from a freshwater pond. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 641-647	2.2	73
177	Stability of the biodiversity of the surface consortia of Gubbeen, a red-smear cheese. *Journal of Dairy Science*, **2007**, 90, 2200-10	4	72
176	Identification and purification of a family of dimeric major cold shock protein homologs from the psychrotrophic Bacillus cereus WSBC 10201. *Journal of Bacteriology*, **1996**, 178, 2916-25	3.5	72
175	Differentiation of Listeria monocytogenes serovars by using artificial neural network analysis of Fourier-transformed infrared spectra. *Applied and Environmental Microbiology*, **2007**, 73, 1036-40	4.8	69
174	Pathogenomics of Listeria spp. *International Journal of Medical Microbiology*, **2007**, 297, 541-57	3.7	68
173	Genomic analysis of Clostridium perfringens bacteriophage phi3626, which integrates into guaA and possibly affects sporulation. *Journal of Bacteriology*, **2002**, 184, 4359-68	3.5	68
172	Climatic influence on mesophilic Bacillus cereus and psychrotolerant Bacillus weihenstephanensis populations in tropical, temperate and alpine soil. *Environmental Microbiology*, **1999**, 1, 503-15	5.2	66
171	High deleterious genomic mutation rate in stationary phase of Escherichia coli. *Science*, **2003**, 302, 1558-60	33.3	65
170	From genome to toxicity: a combinatory approach highlights the complexity of enterotoxin production in Bacillus cereus. *Frontiers in Microbiology*, **2015**, 6, 560	5.7	63
169	Evidence for a holin-like protein gene fully embedded out of frame in the endolysin gene of Staphylococcus aureus bacteriophage 187. *Journal of Bacteriology*, **1999**, 181, 4452-60	3.5	61
168	Cereulide synthesis in emetic Bacillus cereus is controlled by the transition state regulator AbrB, but not by the virulence regulator PlcR. *Microbiology (United Kingdom)*, **2009**, 155, 922-931	2.9	59
167	The UV-B stimulon of the terrestrial cyanobacterium Nostoc commune comprises early shock proteins and late acclimation proteins. *Molecular Microbiology*, **2002**, 46, 827-43	4.1	59
166	Respiration of blue-green algae in the light. *Archives of Microbiology*, **1982**, 132, 329-332	3	58
165	Correlation of 16S ribosomal DNA signature sequences with temperature-dependent growth rates of mesophilic and psychrotolerant strains of the Bacillus cereus group. *Journal of Bacteriology*, **1999**, 181, 2624-30	3.5	58

164	Growth of Pseudomonas weihenstephanensis, Pseudomonas proteolytica and Pseudomonas sp. in raw milk: Impact of residual heat-stable enzyme activity on stability of UHT milk during shelf-life. *International Dairy Journal*, **2016**, 59, 20-28	3.5	57
163	Identification and differentiation of food-related bacteria: A comparison of FTIR spectroscopy and MALDI-TOF mass spectrometry. *Journal of Microbiological Methods*, **2014**, 103, 44-52	2.8	56
162	Surface microbial consortia from Livarot, a French smear-ripened cheese. *Canadian Journal of Microbiology*, **2011**, 57, 651-60	3.2	56
161	Inhibition of Listeria monocytogenes by food-borne yeasts. *Applied and Environmental Microbiology*, **2006**, 72, 313-8	4.8	55
160	CodY orchestrates the expression of virulence determinants in emetic Bacillus cereus by impacting key regulatory circuits. *Molecular Microbiology*, **2012**, 85, 67-88	4.1	54
159	Quantification of the proteolytic and lipolytic activity of microorganisms isolated from raw milk. *International Dairy Journal*, **2015**, 49, 23-29	3.5	53
158	Optimized Illumina PCR-free library preparation for bacterial whole genome sequencing and analysis of factors influencing de novo assembly. *BMC Research Notes*, **2016**, 9, 269	2.3	49
157	Low temperature-induced insecticidal activity of Yersinia enterocolitica. *Molecular Microbiology*, **2006**, 59, 503-12	4.1	48
156	Analysis of the bacterial surface ripening flora of German and French smeared cheeses with respect to their anti-listerial potential. *International Journal of Food Microbiology*, **1999**, 47, 89-97	5.8	48
155	Transcriptional analysis of long-term adaptation of Yersinia enterocolitica to low-temperature growth. *Journal of Bacteriology*, **2006**, 188, 2945-58	3.5	47
154	Long-chain polyphosphate causes cell lysis and inhibits Bacillus cereus septum formation, which is dependent on divalent cations. *Applied and Environmental Microbiology*, **1999**, 65, 3942-9	4.8	46
153	Identification of the main promoter directing cereulide biosynthesis in emetic Bacillus cereus and its application for real-time monitoring of ces gene expression in foods. *Applied and Environmental Microbiology*, **2010**, 76, 1232-40	4.8	45
152	Restart of exponential growth of cold-shocked Yersinia enterocolitica occurs after down-regulation of cspA1/A2 mRNA. *Journal of Bacteriology*, **2000**, 182, 3285-8	3.5	45
151	Both thiamine uptake and biosynthesis of thiamine precursors are required for intracellular replication of Listeria monocytogenes. *Journal of Bacteriology*, **2009**, 191, 2218-27	3.5	44
150	Sphingobacterium lactis sp. nov. and Sphingobacterium alimentarium sp. nov., isolated from raw milk and a dairy environment. *International Journal of Systematic and Evolutionary Microbiology*, **2012**, 62, 1506-1511	2.2	44
149	Rapid discrimination of psychrotolerant and mesophilic strains of the Bacillus cereus group by PCR targeting of 16S rDNA. *Journal of Microbiological Methods*, **1998**, 34, 99-106	2.8	43
148	Organization and transcriptional analysis of the Listeria phage A511 late gene region comprising the major capsid and tail sheath protein genes cps and tsh. *Journal of Bacteriology*, **1995**, 177, 6601-9	3.5	42
147	Insecticidal genes of Yersinia spp.: taxonomical distribution, contribution to toxicity towards Manduca sexta and Galleria mellonella, and evolution. *BMC Microbiology*, **2008**, 8, 214	4.5	41

146	Gene expression analysis of Corynebacterium glutamicum subjected to long-term lactic acid adaptation. *Journal of Bacteriology*, **2007**, 189, 5582-90	3.5	41
145	Intraspecific diversity of Brevibacterium linens, Corynebacterium glutamicum and Rhodococcus erythropolis based on partial 16S rDNA sequence analysis and Fourier-transform infrared (FT-IR) spectroscopy. *Microbiology (United Kingdom)*, **2002**, 148, 1523-1532	2.9	40
144	Comparison of strand-specific transcriptomes of enterohemorrhagic Escherichia coli O157:H7 EDL933 (EHEC) under eleven different environmental conditions including radish sprouts and cattle feces. *BMC Genomics*, **2014**, 15, 353	4.5	39
143	Chemodiversity of cereulide, the emetic toxin of Bacillus cereus. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 2439-53	4.4	39
142	Rapid analysis of two food-borne microbial communities at the species level by Fourier-transform infrared microspectroscopy. *Environmental Microbiology*, **2006**, 8, 848-57	5.2	39
141	Interaction of respiratory and photosynthetic electron transport in Anabaena variabilis Ktz.. *Archives of Microbiology*, **1982**, 132, 333-337	3	39
140	Desiccation independence of terrestrialNostoc commune ecotypes (cyanobacteria). *Microbial Ecology*, **1991**, 22, 271-83	4.4	38
139	Nature of the light-induced h efflux and na uptake in cyanobacteria. *Plant Physiology*, **1989**, 89, 1220-5	6.6	38
138	Mass spectrometric profiling of Bacillus cereus strains and quantitation of the emetic toxin cereulide by means of stable isotope dilution analysis and HEp-2 bioassay. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 191-201	4.4	37
137	Ferredoxin-NADP+ oxidoreductase is the respiratory NADPH dehydrogenase of the cyanobacterium Anabaena variabilis. *Archives of Biochemistry and Biophysics*, **1988**, 267, 228-35	4.1	37
136	Identification of genes essential for anaerobic growth of Listeria monocytogenes. *Microbiology (United Kingdom)*, **2014**, 160, 752-765	2.9	36
135	Transcriptional kinetic analyses of cereulide synthetase genes with respect to growth, sporulation and emetic toxin production in Bacillus cereus. *Food Microbiology*, **2011**, 28, 284-90	6	36
134	Spoilage of Microfiltered and Pasteurized Extended Shelf Life Milk Is Mainly Induced by Psychrotolerant Spore-Forming Bacteria that often Originate from Recontamination. *Frontiers in Microbiology*, **2017**, 8, 135	5.7	33
133	Species and strain identification of lactic acid bacteria using FTIR spectroscopy and artificial neural networks. *Journal of Biophotonics*, **2010**, 3, 493-505	3.1	33
132	Long-Chain Polyphosphates Inhibit Growth of Clostridium tyrobutyricum in Processed Cheese Spreads. *Journal of Food Protection*, **1997**, 60, 493-498	2.5	33
131	Recovery of adenine-nucleotide pools in terrestrial blue-green algae after prolonged drought periods. *Oecologia*, **1986**, 68, 585-588	2.9	32
130	Isolation and characterisation of a heat-resistant peptidase from Pseudomonas panacis withstanding general UHT processes. *International Dairy Journal*, **2015**, 49, 46-55	3.5	31
129	Biodiversity of the Surface Microbial Consortia from Limburger, Reblochon, Livarot, Tilsit, and Gubbeen Cheeses. *Microbiology Spectrum*, **2014**, 2, CM-0010-2012	8.9	31

128	Identification of Yoghurt-spoiling Yeasts with 18S rRNA-targeted Oligonucleotide Probes. *Systematic and Applied Microbiology*, **1997**, 20, 468-480	4.2	31
127	Cytochrome aa3 from heterocysts of the cyanobacterium Anabaena variabilis: Isolation and spectral characterization. *Biochimica Et Biophysica Acta - Bioenergetics*, **1988**, 934, 186-190	4.6	31
126	Pyridinyl polythiazole class peptide antibiotic micrococcin P1, secreted by foodborne Staphylococcus equorum WS2733, is biosynthesized nonribosomally. *FEBS Journal*, **2001**, 268, 6390-401		28
125	Evidence for multiple xenogenous origins of plastids: comparison of psbA-genes with a xanthophyte sequence. *Current Genetics*, **1991**, 19, 503-7	2.9	28
124	The respiratory NADH dehydrogenase of the cyanobacterium Anabaena variabilis: purification and characterization. *Biochimica Et Biophysica Acta - Bioenergetics*, **1989**, 973, 41-46	4.6	28
123	Hybridisierung und Verwandtschaftsgrade innerhalb der Anatidae □eine systematische und evolutionstheoretische Betrachtung. *Journal Fur Ornithologie*, **1982**, 123, 357-380		28
122	Pseudomonas lactis sp. nov. and Pseudomonas paralactis sp. nov., isolated from bovine raw milk. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 1656-1664	2.2	28
121	Arrhenius Plots Indicate Localization of Photosynthetic and Respiratory Electron Transport in Different Membrane Regions of Anabaena. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **1981**, 36, 1036-1040	1.7	27
120	Reconstitution of electron transport by cytochrome c-553 in a cell-free system of Nostoc muscorum. *Photosynthesis Research*, **1982**, 3, 191-201	3.7	27
119	Degradation of scrapie associated prion protein (PrPSc) by the gastrointestinal microbiota of cattle. *Veterinary Research*, **2006**, 37, 695-703	3.8	27
118	Simulating Intestinal Growth Conditions Enhances Toxin Production of Enteropathogenic. *Frontiers in Microbiology*, **2017**, 8, 627	5.7	26
117	Yersinia enterocolitica infection and tcaA-dependent killing of Caenorhabditis elegans. *Applied and Environmental Microbiology*, **2010**, 76, 6277-85	4.8	26
116	Thermostability of peptidases secreted by microorganisms associated with raw milk. *International Dairy Journal*, **2016**, 56, 186-197	3.5	25
115	Depsipeptide Intermediates Interrogate Proposed Biosynthesis of Cereulide, the Emetic Toxin of Bacillus cereus. *Scientific Reports*, **2015**, 5, 10637	4.9	25
114	Pathogenic Yersinia species carry a novel, cold-inducible major cold shock protein tandem gene duplication producing both bicistronic and monocistronic mRNA. *Journal of Bacteriology*, **1999**, 181, 6449-55	3.5	25
113	Translatomics combined with transcriptomics and proteomics reveals novel functional, recently evolved orphan genes in Escherichia coli O157:H7 (EHEC). *BMC Genomics*, **2016**, 17, 133	4.5	25
112	Differentiation of ncRNAs from small mRNAs in Escherichia coli O157:H7 EDL933 (EHEC) by combined RNAseq and RIBOseq - ryhB encodes the regulatory RNA RyhB and a peptide, RyhP. *BMC Genomics*, **2017**, 18, 216	4.5	24
111	Ces locus embedded proteins control the non-ribosomal synthesis of the cereulide toxin in emetic Bacillus cereus on multiple levels. *Frontiers in Microbiology*, **2015**, 6, 1101	5.7	24

110	Vibrio casei sp. nov., isolated from the surfaces of two French red smear soft cheeses. *International Journal of Systematic and Evolutionary Microbiology*, **2010**, 60, 1745-1749	2.2	24
109	Domibacillus robiginosus gen. nov., sp. nov., isolated from a pharmaceutical clean room. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 2054-2061	2.2	23
108	Evidence for the recent origin of a bacterial protein-coding, overlapping orphan gene by evolutionary overprinting. *BMC Evolutionary Biology*, **2015**, 15, 283	3	23
107	Sensitive in situ monitoring of a recombinant bioluminescent Yersinia enterocolitica reporter mutant in real time on Camembert cheese. *Applied and Environmental Microbiology*, **2002**, 68, 5737-40	4.8	23
106	Quantification of micro-organisms in binary mixed populations by Fourier transform infrared (FT-IR) spectroscopy. *Letters in Applied Microbiology*, **2000**, 30, 85-9	2.9	23
105	Increase of nitrogenase activity in the blue-green alga Nostoc muscorum (Cyanobacterium). *Journal of Bacteriology*, **1980**, 144, 1017-23	3.5	23
104	Acid shock of Listeria monocytogenes at low environmental temperatures induces prfA, epithelial cell invasion, and lethality towards Caenorhabditis elegans. *BMC Genomics*, **2013**, 14, 285	4.5	22
103	Identification of five Listeria species based on infrared spectra (FTIR) using macrosamples is superior to a microsample approach. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 1629-35	4.4	22
102	Cellular localization of cytochrome c 553 in the N2-fixing cyanobacterium Anabaena variabilis. *Archives of Microbiology*, **1990**, 154, 614	3	22
101	Interaction of respiratory and photosynthetic electron transport, and evidence for membrane-bound pyridine-nucleotide dehydrogenases in Anabaena variabilis. *Physiologia Plantarum*, **1984**, 60, 479-483	4.6	22
100	Stress response of Salmonella enterica serovar typhimurium to acidified nitrite. *Applied and Environmental Microbiology*, **2014**, 80, 6373-82	4.8	21
99	Functional regulation of the Listeria monocytogenes bacteriophage A118 holin by an intragenic inhibitor lacking the first transmembrane domain. *Molecular Microbiology*, **2003**, 48, 173-86	4.1	21
98	Bavariicoccus seileri gen. nov., sp. nov., isolated from the surface and smear water of German red smear soft cheese. *International Journal of Systematic and Evolutionary Microbiology*, **2009**, 59, 2437-43	2.2	20
97	Reliable identification of closely related Issatchenkia and Pichia species using artificial neural network analysis of Fourier-transform infrared spectra. *Yeast*, **2008**, 25, 787-98	3.4	20
96	Multiparametric Quantitation of the Bacillus cereus Toxins Cereulide and Isocereulides A-G in Foods. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 8307-13	5.7	19
95	Phenotype of htgA (mbiA), a recently evolved orphan gene of Escherichia coli and Shigella, completely overlapping in antisense to yaaW. *FEMS Microbiology Letters*, **2014**, 350, 57-64	2.9	19
94	Psychroflexus halocasei sp. nov., isolated from a microbial consortium on a cheese. *International Journal of Systematic and Evolutionary Microbiology*, **2012**, 62, 1850-1856	2.2	19
93	Biochemical evidence for the proteolytic degradation of infectious prion protein PrPsc in hamster brain homogenates by foodborne bacteria. *Systematic and Applied Microbiology*, **2006**, 29, 165-71	4.2	19

92	Life at Low Temperatures **2006**, 210-262		19
91	Predicting statistical properties of open reading frames in bacterial genomes. *PLoS ONE*, **2012**, 7, e45103	3.7	18
90	Inhibition of cereulide toxin synthesis by emetic Bacillus cereus via long-chain polyphosphates. *Applied and Environmental Microbiology*, **2011**, 77, 1475-82	4.8	18
89	Anti-listerial activity and biodiversity of cheese surface cultures: influence of the ripening temperature regime. *European Food Research and Technology*, **2004**, 218, 242-247	3.4	18
88	Light-Induced Proton Release by the Cyanobacterium Anabaena variabilis: Dependence on CO(2) and Na. *Plant Physiology*, **1988**, 86, 769-72	6.6	18
87	Comparative Bioinformatics and Experimental Analysis of the Intergenic Regulatory Regions of Bacillus cereus hbl and nhe Enterotoxin Operons and the Impact of CodY on Virulence Heterogeneity. *Frontiers in Microbiology*, **2016**, 7, 768	5.7	18
86	Thermal resistance of vegetative thermophilic spore forming bacilli in skim milk isolated from dairy environments. *Food Control*, **2017**, 82, 114-120	6.2	17
85	Bacillus kochii sp. nov., isolated from foods and a pharmaceuticals manufacturing site. *International Journal of Systematic and Evolutionary Microbiology*, **2012**, 62, 1092-1097	2.2	17
84	Presence of a functional flagellar cluster Flag-2 and low-temperature expression of flagellar genes in Yersinia enterocolitica W22703. *Microbiology (United Kingdom)*, **2008**, 154, 196-206	2.9	17
83	Interaction of Photosynthetic and Respiratory Electron Transport in Blue-Green Algae: Effect of a Cytochrome c-553 Specific Antibody. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences* , **1984**, 39, 623-626	1.7	17
82	Discovery of numerous novel small genes in the intergenic regions of the Escherichia coli O157:H7 Sakai genome. *PLoS ONE*, **2017**, 12, e0184119	3.7	17
81	Lysinibacillus meyeri sp. nov., isolated from a medical practice. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 1512-1518	2.2	16
80	Fourier-transform infrared (FTIR) spectroscopy is a promising tool for monitoring the population dynamics of microorganisms in food stuff. *European Food Research and Technology*, **2003**, 216, 434-439	3.4	16
79	Respiration, cyanide-insensitive oxygen uptake and oxidative phosphorylation in cyanobacteria. *Physiologia Plantarum*, **1988**, 72, 379-384	4.6	16
78	Vanadate-sensitive proton efflux by filamentous cyanobacteria. *FEMS Microbiology Letters*, **1984**, 22, 215-218	2.9	16
77	The novel EHEC gene asa overlaps the TEGT transporter gene in antisense and is regulated by NaCl and growth phase. *Scientific Reports*, **2018**, 8, 17875	4.9	16
76	Reprogramming Human Siderocalin To Neutralize Petrobactin, the Essential Iron Scavenger of Anthrax Bacillus. *Angewandte Chemie - International Edition*, **2018**, 57, 14619-14623	16.4	15
75	The Novel Anaerobiosis-Responsive Overlapping Gene Is Overlapping Antisense to the Annotated Gene ECs2385 of O157:H7 Sakai. *Frontiers in Microbiology*, **2018**, 9, 931	5.7	15

74	A novel short L-arginine responsive protein-coding gene (laoB) antiparallel overlapping to a CadC-like transcriptional regulator in Escherichia coli O157:H7 Sakai originated by overprinting. *BMC Evolutionary Biology*, **2018**, 18, 21	3	15
73	Anti-listerial potential of food-borne yeasts in red smear cheese. *International Dairy Journal*, **2011**, 21, 83-89	3.5	15
72	Functional analysis of heterologous holin proteins in a lambdaDeltaS genetic background. *FEMS Microbiology Letters*, **2000**, 184, 179-86	2.9	15
71	Differentiation of probiotic and environmental Saccharomyces cerevisiae strains in animal feed. *Journal of Applied Microbiology*, **2010**, 109, 783-91	4.7	14
70	The AGUAAA motif in cspA1/A2 mRNA is important for adaptation of Yersinia enterocolitica to grow at low temperature. *Molecular Microbiology*, **2003**, 50, 1629-45	4.1	14
69	Functional analysis of heterologous holin proteins in a S genetic background. *FEMS Microbiology Letters*, **2000**, 184, 179-186	2.9	14
68	Taxonomical classification of 20 newly isolated Listeria bacteriophages by electron microscopy and protein analysis. *Intervirology*, **1994**, 37, 31-5	2.5	14
67	Growth inhibition of Listeria monocytogenes by bacteriocin-producing Staphylococcus equorum SE3 in cheese models. *Food Control*, **2017**, 71, 50-56	6.2	13
66	Transcriptional and translational regulation by RNA thermometers, riboswitches and the sRNA DsrA in Escherichia coli O157:H7 Sakai under combined cold and osmotic stress adaptation. *FEMS Microbiology Letters*, **2017**, 364,	2.9	13
65	Different enzymes involved in NADH- and NADPH-dependent respiration in the cyanobacteriumAnabaena variabilis. *FEMS Microbiology Letters*, **1985**, 26, 147-151	2.9	13
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62	A Sensitive and Robust Method for Direct Determination of Lipolytic Activity in Natural Milk Environment. *Food Analytical Methods*, **2016**, 9, 646-655	3.4	11
61	Contribution of the NO-detoxifying enzymes HmpA, NorV and NrfA to nitrosative stress protection of Salmonella Typhimurium in raw sausages. *Food Microbiology*, **2014**, 42, 26-33	6	11
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