

Siegfried Scherer

List of Publications by Year in descending order

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213
papers

11,436
citations

20817

60
h-index

38395

95
g-index

220
all docs

220
docs citations

220
times ranked

7968
citing authors

#	ARTICLE	IF	CITATIONS
1	UV-B-induced synthesis of photoprotective pigments and extracellular polysaccharides in the terrestrial cyanobacterium <i>Nostoc commune</i> . <i>Journal of Bacteriology</i> , 1997, 179, 1940-1945.	2.2	340
2	Emetic toxin formation of <i>Bacillus cereus</i> is restricted to a single evolutionary lineage of closely related strains. <i>Microbiology (United Kingdom)</i> , 2005, 151, 183-197.	1.8	324
3	C-terminal domains of <i>Listeria monocytogenes</i> bacteriophage murein hydrolases determine specific recognition and high-affinity binding to bacterial cell wall carbohydrates. <i>Molecular Microbiology</i> , 2002, 44, 335-349.	2.5	322
4	<i>Bacillus cereus</i> , the causative agent of an emetic type of food-borne illness. <i>Molecular Nutrition and Food Research</i> , 2004, 48, 479-487.	3.3	310
5	Identification and Partial Characterization of the Nonribosomal Peptide Synthetase Gene Responsible for Cereulide Production in Emetic <i>Bacillus cereus</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 105-113.	3.1	249
6	Diagnostic Real-Time PCR Assays for the Detection of Emetic <i>Bacillus cereus</i> Strains in Foods and Recent Food-Borne Outbreaks. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1892-1898.	3.1	230
7	Rapid and Reliable Identification of Food-Borne Yeasts by Fourier-Transform Infrared Spectroscopy. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2207-2214.	3.1	210
8	UV protection in cyanobacteria. <i>European Journal of Phycology</i> , 1999, 34, 329-338.	2.0	204
9	Cereulide synthetase gene cluster from emetic <i>Bacillus cereus</i> : structure and location on a mega virulence plasmid related to <i>Bacillus anthracis</i> toxin plasmid pXO1. <i>BMC Microbiology</i> , 2006, 6, 20.	3.3	199
10	High incidence of <i>Listeria monocytogenes</i> in European red smear cheese. <i>International Journal of Food Microbiology</i> , 2001, 63, 91-98.	4.7	184
11	Biodiversity of refrigerated raw milk microbiota and their enzymatic spoilage potential. <i>International Journal of Food Microbiology</i> , 2015, 211, 57-65.	4.7	176
12	Heterogeneous endolysins in <i>Listeria monocytogenes</i> bacteriophages: a new class of enzymes and evidence for conserved holin genes within the siphoviral lysis cassettes. <i>Molecular Microbiology</i> , 1995, 16, 1231-1241.	2.5	171
13	The Hemolytic Enterotoxin HBL Is Broadly Distributed among Species of the <i>Bacillus cereus</i> Group. <i>Applied and Environmental Microbiology</i> , 1999, 65, 5436-5442.	3.1	169
14	Rewetting of drought-resistant blue-green algae: Time course of water uptake and reappearance of respiration, photosynthesis, and nitrogen fixation. <i>Oecologia</i> , 1984, 62, 418-423.	2.0	167
15	Identification of emetic toxin producing <i>Bacillus cereus</i> strains by a novel molecular assay. <i>FEMS Microbiology Letters</i> , 2004, 232, 189-195.	1.8	167
16	Do photosynthetic and respiratory electron transport chains share redox proteins?. <i>Trends in Biochemical Sciences</i> , 1990, 15, 458-462.	7.5	164
17	Surface Microflora of Four Smear-Ripened Cheeses. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6489-6500.	3.1	152
18	Structure of a Novel Oligosaccharide-Mycosporine-Amino Acid Ultraviolet A/B Sunscreen Pigment from the Terrestrial Cyanobacterium <i>Nostoc commune</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 8536-8539.	3.4	146

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19	Fourier-Transform Infrared Microspectroscopy, a Novel and Rapid Tool for Identification of Yeasts. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4717-4721.	3.1	134
20	Interaction of photosynthesis, respiration and nitrogen fixation in cyanobacteria. <i>Photosynthesis Research</i> , 1988, 15, 95-114.	2.9	132
21	Identification of coryneform bacteria and related taxa by Fourier-transform infrared (FT-IR) spectroscopy. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 91-100.	1.7	124
22	Three <i>Bacillus cereus</i> bacteriophage endolysins are unrelated but reveal high homology to cell wall hydrolases from different bacilli. <i>Journal of Bacteriology</i> , 1997, 179, 2845-2851.	2.2	123
23	Identification of microorganisms by FTIR spectroscopy: perspectives and limitations of the method. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 7111-7120.	3.6	123
24	Gene Cloning and Expression and Secretion of <i>Listeria monocytogenes</i> Bacteriophage-Lytic Enzymes in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 2951-2958.	3.1	122
25	The Murein Hydrolase of the Bacteriophage ϕ 3626 Dual Lysis System Is Active against All Tested <i>Clostridium perfringens</i> Strains. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5311-5317.	3.1	120
26	Bacteriophage receptors on <i>Listeria monocytogenes</i> cells are the N-acetylglucosamine and rhamnose substituents of teichoic acids or the peptidoglycan itself. <i>Microbiology (United Kingdom)</i> , 1996, 142, 985-992.	1.8	119
27	Identification of yeasts and coryneform bacteria from the surface microflora of brick cheeses. <i>International Journal of Food Microbiology</i> , 1997, 34, 115-129.	4.7	118
28	Discrimination of Psychrotrophic and Mesophilic Strains of the <i>Bacillus cereus</i> Group by PCR Targeting of Major Cold Shock Protein Genes. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3525-3529.	3.1	115
29	Sources of the adventitious microflora of a smear-ripened cheese. <i>Journal of Applied Microbiology</i> , 2006, 101, 668-681.	3.1	108
30	Reliable and Rapid Identification of <i>Listeria monocytogenes</i> and <i>Listeria</i> Species by Artificial Neural Network-Based Fourier Transform Infrared Spectroscopy. <i>Applied and Environmental Microbiology</i> , 2006, 72, 994-1000.	3.1	107
31	Temporal Stability and Biodiversity of Two Complex Antilisterial Cheese-Ripening Microbial Consortia. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4012-4018.	3.1	104
32	UV Irradiation and Desiccation Modulate the Three-dimensional Extracellular Matrix of <i>Nostoc commune</i> (Cyanobacteria). <i>Journal of Biological Chemistry</i> , 2005, 280, 40271-40281.	3.4	103
33	Microbial biodiversity, quality and shelf life of microfiltered and pasteurized extended shelf life (ESL) milk from Germany, Austria and Switzerland. <i>International Journal of Food Microbiology</i> , 2012, 154, 1-9.	4.7	98
34	Massive horizontal gene transfer, strictly vertical inheritance and ancient duplications differentially shape the evolution of <i>Bacillus cereus</i> enterotoxin operons hbl, cytK and nhe. <i>BMC Evolutionary Biology</i> , 2015, 15, 246.	3.2	97
35	<i>Listeria weihenstephanensis</i> sp. nov., isolated from the water plant <i>Lemna trisulca</i> taken from a freshwater pond. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 641-647.	1.7	96
36	From genome to toxicity: a combinatory approach highlights the complexity of enterotoxin production in <i>Bacillus cereus</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 560.	3.5	96

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37	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. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2210-2217.	3.1	95
38	Pathogenic potential of fifty <i>Bacillus weihenstephanensis</i> strains. <i>FEMS Microbiology Letters</i> , 2002, 215, 47-51.	1.8	91
39	The two-component lysis system of <i>Staphylococcus aureus</i> bacteriophage Twort: a large TTG-start holin and an associated amidase endolysin. <i>FEMS Microbiology Letters</i> , 1998, 162, 265-274.	1.8	90
40	Identification and purification of a family of dimeric major cold shock protein homologs from the psychrotrophic <i>Bacillus cereus</i> WSBC 10201. <i>Journal of Bacteriology</i> , 1996, 178, 2916-2925.	2.2	89
41	A Pediocin-Producing <i>Lactobacillus plantarum</i> Strain Inhibits <i>Listeria monocytogenes</i> in a Multispecies Cheese Surface Microbial Ripening Consortium. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1854-1857.	3.1	88
42	The Macrocytic Peptide Antibiotic Micrococcin P 1 Is Secreted by the Food-Borne Bacterium <i>Staphylococcus equorum</i> WS 2733 and Inhibits <i>Listeria monocytogenes</i> on Soft Cheese. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2378-2384.	3.1	85
43	Pathogenomics of <i>Listeria</i> spp.. <i>International Journal of Medical Microbiology</i> , 2007, 297, 541-557.	3.6	84
44	Stability of the Biodiversity of the Surface Consortia of Gubbeen, a Red-Smear Cheese. <i>Journal of Dairy Science</i> , 2007, 90, 2200-2210.	3.4	82
45	Genomic Analysis of <i>Clostridium perfringens</i> Bacteriophage ϕ 3626, Which Integrates into <i>guaA</i> and Possibly Affects Sporulation. <i>Journal of Bacteriology</i> , 2002, 184, 4359-4368.	2.2	80
46	High Deleterious Genomic Mutation Rate in Stationary Phase of <i>Escherichia coli</i> . <i>Science</i> , 2003, 302, 1558-1560.	12.6	80
47	Surface microbial consortia from Livarot, a French smear-ripened cheese. <i>Canadian Journal of Microbiology</i> , 2011, 57, 651-660.	1.7	76
48	Differentiation of <i>Listeria monocytogenes</i> Serovars by Using Artificial Neural Network Analysis of Fourier-Transformed Infrared Spectra. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1036-1040.	3.1	75
49	Growth of <i>Pseudomonas weihenstephanensis</i> , <i>Pseudomonas proteolytica</i> and <i>Pseudomonas</i> sp. in raw milk: Impact of residual heat-stable enzyme activity on stability of UHT milk during shelf-life. <i>International Dairy Journal</i> , 2016, 59, 20-28.	3.0	75
50	Cereulide synthesis in emetic <i>Bacillus cereus</i> is controlled by the transition state regulator AbrB, but not by the virulence regulator PlcR. <i>Microbiology (United Kingdom)</i> , 2009, 155, 922-931.	1.8	74
51	CodY orchestrates the expression of virulence determinants in emetic <i>Bacillus cereus</i> by impacting key regulatory circuits. <i>Molecular Microbiology</i> , 2012, 85, 67-88.	2.5	70
52	Climatic influence on mesophilic <i>Bacillus cereus</i> and psychrotolerant <i>Bacillus weihenstephanensis</i> populations in tropical, temperate and alpine soil. <i>Environmental Microbiology</i> , 1999, 1, 503.	3.8	69
53	Identification and differentiation of food-related bacteria: A comparison of FTIR spectroscopy and MALDI-TOF mass spectrometry. <i>Journal of Microbiological Methods</i> , 2014, 103, 44-52.	1.6	68
54	Optimized Illumina PCR-free library preparation for bacterial whole genome sequencing and analysis of factors influencing de novo assembly. <i>BMC Research Notes</i> , 2016, 9, 269.	1.4	68

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55	Quantification of the proteolytic and lipolytic activity of microorganisms isolated from raw milk. <i>International Dairy Journal</i> , 2015, 49, 23-29.	3.0	67
56	The UV-B stimulon of the terrestrial cyanobacterium <i>Nostoc commune</i> comprises early shock proteins and late acclimation proteins. <i>Molecular Microbiology</i> , 2002, 46, 827-843.	2.5	66
57	Evidence for a Holin-Like Protein Gene Fully Embedded Out of Frame in the Endolysin Gene of <i>Staphylococcus aureus</i> Bacteriophage 187. <i>Journal of Bacteriology</i> , 1999, 181, 4452-4460.	2.2	66
58	Inhibition of <i>Listeria monocytogenes</i> by Food-Borne Yeasts. <i>Applied and Environmental Microbiology</i> , 2006, 72, 313-318.	3.1	65
59	Correlation of 16S Ribosomal DNA Signature Sequences with Temperature-Dependent Growth Rates of Mesophilic and Psychrotolerant Strains of the <i>Bacillus cereus</i> Group. <i>Journal of Bacteriology</i> , 1999, 181, 2624-2630.	2.2	64
60	Respiration of blue-green algae in the light. <i>Archives of Microbiology</i> , 1982, 132, 329-332.	2.2	61
61	Long-Chain Polyphosphate Causes Cell Lysis and Inhibits <i>Bacillus cereus</i> Septum Formation, Which Is Dependent on Divalent Cations. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3942-3949.	3.1	61
62	Low temperature-induced insecticidal activity of <i>Yersinia enterocolitica</i> . <i>Molecular Microbiology</i> , 2006, 59, 503-512.	2.5	59
63	Transcriptional Analysis of Long-Term Adaptation of <i>Yersinia enterocolitica</i> to Low-Temperature Growth. <i>Journal of Bacteriology</i> , 2006, 188, 2945-2958.	2.2	59
64	Insecticidal genes of <i>Yersinia</i> spp.: taxonomical distribution, contribution to toxicity towards <i>Manduca sexta</i> and <i>Galleria mellonella</i> , and evolution. <i>BMC Microbiology</i> , 2008, 8, 214.	3.3	58
65	Rapid discrimination of psychrotolerant and mesophilic strains of the <i>Bacillus cereus</i> group by PCR targeting of 16S rDNA. <i>Journal of Microbiological Methods</i> , 1998, 34, 99-106.	1.6	56
66	<i>Sphingobacterium lactis</i> sp. nov. and <i>Sphingobacterium alimentarium</i> sp. nov., isolated from raw milk and a dairy environment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1506-1511.	1.7	56
67	Comparison of strand-specific transcriptomes of enterohemorrhagic <i>Escherichia coli</i> O157:H7 EDL933 (EHEC) under eleven different environmental conditions including radish sprouts and cattle feces. <i>BMC Genomics</i> , 2014, 15, 353.	2.8	56
68	Both Thiamine Uptake and Biosynthesis of Thiamine Precursors Are Required for Intracellular Replication of <i>Listeria monocytogenes</i> . <i>Journal of Bacteriology</i> , 2009, 191, 2218-2227.	2.2	55
69	Identification of the Main Promoter Directing Cereulide Biosynthesis in Emetic <i>Bacillus cereus</i> and Its Application for Real-Time Monitoring of <i>ces</i> Gene Expression in Foods. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1232-1240.	3.1	55
70	Analysis of the bacterial surface ripening flora of German and French smeared cheeses with respect to their anti-listerial potential. <i>International Journal of Food Microbiology</i> , 1999, 47, 89-97.	4.7	53
71	Chemodiversity of cereulide, the emetic toxin of <i>Bacillus cereus</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2439-2453.	3.7	53
72	Restart of Exponential Growth of Cold-Shocked <i>Yersinia enterocolitica</i> Occurs after Down-Regulation of <i>cspA1/A2</i> mRNA. <i>Journal of Bacteriology</i> , 2000, 182, 3285-3288.	2.2	51

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73	Desiccation independence of terrestrial <i>Nostoc commune</i> ecotypes (cyanobacteria). <i>Microbial Ecology</i> , 1991, 22, 271-283.	2.8	48
74	Organization and transcriptional analysis of the <i>Listeria</i> phage A511 late gene region comprising the major capsid and tail sheath protein genes <i>cps</i> and <i>tsh</i> . <i>Journal of Bacteriology</i> , 1995, 177, 6601-6609.	2.2	48
75	Gene Expression Analysis of <i>Corynebacterium glutamicum</i> Subjected to Long-Term Lactic Acid Adaptation. <i>Journal of Bacteriology</i> , 2007, 189, 5582-5590.	2.2	48
76	<i>Pseudomonas lactis</i> sp. nov. and <i>Pseudomonas paralactis</i> sp. nov., isolated from bovine raw milk. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1656-1664.	1.7	47
77	Mass spectrometric profiling of <i>Bacillus cereus</i> strains and quantitation of the emetic toxin cereulide by means of stable isotope dilution analysis and HEp-2 bioassay. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 191-201.	3.7	46
78	Spoilage of Microfiltered and Pasteurized Extended Shelf Life Milk Is Mainly Induced by Psychrotolerant Spore-Forming Bacteria that often Originate from Recontamination. <i>Frontiers in Microbiology</i> , 2017, 8, 135.	3.5	46
79	Biodiversity of the Surface Microbial Consortia from Limburger, Reblochon, Livarot, Tilsit, and Gubbeen Cheeses. <i>Microbiology Spectrum</i> , 2014, 2, CM-0010-2012.	3.0	45
80	Intraspecific diversity of <i>Brevibacterium linens</i> , <i>Corynebacterium glutamicum</i> and <i>Rhodococcus erythropolis</i> based on partial 16S rDNA sequence analysis and Fourier-transform infrared (FT-IR) spectroscopy The GenBank accession numbers for the 16S rDNA gene sequences reported in this paper are AY017065 to AY017067, AY017069 to AY017087, and AF426135 to AF426143 for <i>Brevibacterium linens</i> ; AY017088 to AY017091, AY017093 to AY017104, AY017107 to AY017111, and AF426144 to AF426149 for <i>Corynebacterium glutamicum</i> ; an. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1523-1532.	1.8	45
81	Transcriptional kinetic analyses of cereulide synthetase genes with respect to growth, sporulation and emetic toxin production in <i>Bacillus cereus</i> . <i>Food Microbiology</i> , 2011, 28, 284-290.	4.2	44
82	Phenotype of <i>htgA</i> (<i>mbiA</i>), a recently evolved orphan gene of <i>Escherichia coli</i> and <i>Shigella</i> , completely overlapping in antisense to <i>yaaW</i> . <i>FEMS Microbiology Letters</i> , 2014, 350, 57-64.	1.8	44
83	Rapid analysis of two food-borne microbial communities at the species level by Fourier-transform infrared microspectroscopy. <i>Environmental Microbiology</i> , 2006, 8, 848-857.	3.8	43
84	Identification of genes essential for anaerobic growth of <i>Listeria monocytogenes</i> . <i>Microbiology (United Kingdom)</i> , 2014, 160, 752-765.	1.8	43
85	Evidence for the recent origin of a bacterial protein-coding, overlapping orphan gene by evolutionary overprinting. <i>BMC Evolutionary Biology</i> , 2015, 15, 283.	3.2	43
86	Differentiation of ncRNAs from small mRNAs in <i>Escherichia coli</i> O157:H7 EDL933 (EHEC) by combined RNAseq and RIBOseq <i>ryhB</i> encodes the regulatory RNA <i>RyhB</i> and a peptide, <i>RyhP</i> . <i>BMC Genomics</i> , 2017, 18, 216.	2.8	43
87	Interaction of respiratory and photosynthetic electron transport in <i>Anabaena variabilis</i> K ₁₂ /tz.. <i>Archives of Microbiology</i> , 1982, 132, 333-337.	2.2	42
88	Long-Chain Polyphosphates Inhibit Growth of <i>Clostridium tyrobutyricum</i> in Processed Cheese Spreads. <i>Journal of Food Protection</i> , 1997, 60, 493-498.	1.7	42
89	Translatomics combined with transcriptomics and proteomics reveals novel functional, recently evolved orphan genes in <i>Escherichia coli</i> O157:H7 (EHEC). <i>BMC Genomics</i> , 2016, 17, 133.	2.8	42
90	Nature of the Light-Induced H ⁺ Efflux and Na ⁺ Uptake in Cyanobacteria. <i>Plant Physiology</i> , 1989, 89, 1220-1225.	4.8	41

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91	Ferredoxin-NADP ⁺ oxidoreductase is the respiratory NADPH dehydrogenase of the cyanobacterium <i>Anabaena variabilis</i> . <i>Archives of Biochemistry and Biophysics</i> , 1988, 267, 228-235.	3.0	39
92	Identification of Yoghurt-spoiling Yeasts with 18S rRNA-targeted Oligonucleotide Probes. <i>Systematic and Applied Microbiology</i> , 1997, 20, 468-480.	2.8	38
93	Species and strain identification of lactic acid bacteria using FTIR spectroscopy and artificial neural networks. <i>Journal of Biophotonics</i> , 2010, 3, 493-505.	2.3	38
94	Discovery of numerous novel small genes in the intergenic regions of the <i>Escherichia coli</i> O157:H7 Sakai genome. <i>PLoS ONE</i> , 2017, 12, e0184119.	2.5	38
95	Recovery of adenine-nucleotide pools in terrestrial blue-green algae after prolonged drought periods. <i>Oecologia</i> , 1986, 68, 585-588.	2.0	37
96	Ces locus embedded proteins control the non-ribosomal synthesis of the cereulide toxin in emetic <i>Bacillus cereus</i> on multiple levels. <i>Frontiers in Microbiology</i> , 2015, 6, 1101.	3.5	37
97	Isolation and characterisation of a heat-resistant peptidase from <i>Pseudomonas panacis</i> withstanding general UHT processes. <i>International Dairy Journal</i> , 2015, 49, 46-55.	3.0	37
98	Cytochrome aa3 from heterocysts of the cyanobacterium <i>Anabaena variabilis</i> : Isolation and spectral characterization. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988, 934, 186-190.	1.0	36
99	Predicting Statistical Properties of Open Reading Frames in Bacterial Genomes. <i>PLoS ONE</i> , 2012, 7, e45103.	2.5	36
100	<i>Domibacillus robiginosus</i> gen. nov., sp. nov., isolated from a pharmaceutical clean room. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2054-2061.	1.7	36
101	Thermostability of peptidases secreted by microorganisms associated with raw milk. <i>International Dairy Journal</i> , 2016, 56, 186-197.	3.0	36
102	Pyridinyl polythiazole class peptide antibiotic micrococcin P1, secreted by foodborne <i>Staphylococcus equorum</i> WS2733, is biosynthesized nonribosomally. <i>FEBS Journal</i> , 2001, 268, 6390-6401.	0.2	33
103	<i>Yersinia enterocolitica</i> Infection and tcaA-Dependent Killing of <i>Caenorhabditis elegans</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 6277-6285.	3.1	33
104	Hybridisierung und Verwandtschaftsgrade innerhalb der Anatidae – eine systematische und evolutionstheoretische Betrachtung. <i>Journal Fur Ornithologie</i> , 1982, 123, 357-380.	1.2	32
105	A novel short L-arginine responsive protein-coding gene (laoB) antiparallel overlapping to a CadC-like transcriptional regulator in <i>Escherichia coli</i> O157:H7 Sakai originated by overprinting. <i>BMC Evolutionary Biology</i> , 2018, 18, 21.	3.2	32
106	Simulating Intestinal Growth Conditions Enhances Toxin Production of Enteropathogenic <i>Bacillus cereus</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 627.	3.5	31
107	The novel EHEC gene asa overlaps the TEGT transporter gene in antisense and is regulated by NaCl and growth phase. <i>Scientific Reports</i> , 2018, 8, 17875.	3.3	31
108	Degradation of scrapie associated prion protein (PrP ^{Sc}) by the gastrointestinal microbiota of cattle. <i>Veterinary Research</i> , 2006, 37, 695-703.	3.0	31

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109	The respiratory NADH dehydrogenase of the cyanobacterium <i>Anabaena variabilis</i> : purification and characterization. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1989, 973, 41-46.	1.0	30
110	Depsipeptide Intermediates Interrogate Proposed Biosynthesis of Cereulide, the Emetic Toxin of <i>Bacillus cereus</i> . <i>Scientific Reports</i> , 2015, 5, 10637.	3.3	30
111	<i>Vibrio casei</i> sp. nov., isolated from the surfaces of two French red smear soft cheeses. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1745-1749.	1.7	29
112	Acid shock of <i>Listeria monocytogenes</i> at low environmental temperatures induces <i>prfA</i> , epithelial cell invasion, and lethality towards <i>Caenorhabditis elegans</i> . <i>BMC Genomics</i> , 2013, 14, 285.	2.8	29
113	Pathogenic <i>Yersinia</i> Species Carry a Novel, Cold-Inducible Major Cold Shock Protein Tandem Gene Duplication Producing both Bicistronic and Monocistronic mRNA. <i>Journal of Bacteriology</i> , 1999, 181, 6449-6455.	2.2	29
114	Evidence for multiple xenogenous origins of plastids: comparison of <i>psbA</i> -genes with a xanthophyte sequence. <i>Current Genetics</i> , 1991, 19, 503-507.	1.7	28
115	<i>Bacillus kochii</i> sp. nov., isolated from foods and a pharmaceuticals manufacturing site. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1092-1097.	1.7	28
116	Multiparametric Quantitation of the <i>Bacillus cereus</i> Toxins Cereulide and Isocereulides in Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8307-8313.	5.2	28
117	Increase of Nitrogenase Activity in the Blue-Green Alga <i>Nostoc muscorum</i> (Cyanobacterium). <i>Journal of Bacteriology</i> , 1980, 144, 1017-1023.	2.2	28
118	Arrhenius Plots Indicate Localization of Photosynthetic and Respiratory Electron Transport in Different Membrane Regions of <i>Anabaena</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1981, 36, 1036-1040.	1.4	27
119	Reconstitution of electron transport by cytochrome <i>c-553</i> in a cell-free system of <i>Nostoc muscorum</i> . <i>Photosynthesis Research</i> , 1982, 3, 191-201.	2.9	27
120	<i>Bavariococcus seileri</i> gen. nov., sp. nov., isolated from the surface and smear water of German red smear soft cheese. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 2437-2443.	1.7	27
121	The Novel Anaerobiosis-Responsive Overlapping Gene <i>ano</i> Is Overlapping Antisense to the Annotated Gene ECs2385 of <i>Escherichia coli</i> O157:H7 Sakai. <i>Frontiers in Microbiology</i> , 2018, 9, 931.	3.5	27
122	Sensitive In Situ Monitoring of a Recombinant Bioluminescent <i>Yersinia enterocolitica</i> Reporter Mutant in Real Time on Camembert Cheese. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5737-5740.	3.1	26
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