# Oscar P Kuipers

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 496 papers | 30,576 citations | 86 h-index | 157 g-index |
| 524 ext. papers | 35,513 ext. citations | 6.1 avg, IF | 7.14 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 496 | Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. *Natural Product Reports*, **2013**, 30, 108-60 | 15.1 | 1298 |
| 495 | Complete genome sequence of Lactobacillus plantarum WCFS1. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 1990-5 | 11.5 | 1107 |
| 494 | Bistability, epigenetics, and bet-hedging in bacteria. *Annual Review of Microbiology*, **2008**, 62, 193-210 | 17.5 | 717 |
| 493 | Controlled gene expression systems for Lactococcus lactis with the food-grade inducer nisin. *Applied and Environmental Microbiology*, **1996**, 62, 3662-7 | 4.8 | 652 |
| 492 | Use of the cell wall precursor lipid II by a pore-forming peptide antibiotic. *Science*, **1999**, 286, 2361-4 | 33.3 | 642 |
| 491 | Quorum sensing by peptide pheromones and two-component signal-transduction systems in Gram-positive bacteria. *Molecular Microbiology*, **1997**, 24, 895-904 | 4.1 | 607 |
| 490 | Quorum sensing-controlled gene expression in lactic acid bacteria. *Journal of Biotechnology*, **1998**, 64, 15-21 | 3.7 | 558 |
| 489 | Specific binding of nisin to the peptidoglycan precursor lipid II combines pore formation and inhibition of cell wall biosynthesis for potent antibiotic activity. *Journal of Biological Chemistry*, **2001**, 276, 1772-9 | 5.4 | 518 |
| 488 | Minimum Information about a Biosynthetic Gene cluster. *Nature Chemical Biology*, **2015**, 11, 625-31 | 11.7 | 498 |
| 487 | The iturin and fengycin families of lipopeptides are key factors in antagonism of Bacillus subtilis toward Podosphaera fusca. *Molecular Plant-Microbe Interactions*, **2007**, 20, 430-40 | 3.6 | 439 |
| 486 | LysM, a widely distributed protein motif for binding to (peptido)glycans. *Molecular Microbiology*, **2008**, 68, 838-47 | 4.1 | 427 |
| 485 | Proteomics of protein secretion by Bacillus subtilis: separating the "secrets" of the secretome. *Microbiology and Molecular Biology Reviews*, **2004**, 68, 207-33 | 13.2 | 424 |
| 484 | Characterization of the nisin gene cluster nisABTCIPR of Lactococcus lactis. Requirement of expression of the nisA and nisI genes for development of immunity. *FEBS Journal*, **1993**, 216, 281-91 | | 420 |
| 483 | An alternative bactericidal mechanism of action for lantibiotic peptides that target lipid II. *Science*, **2006**, 313, 1636-7 | 33.3 | 399 |
| 482 | Autoregulation of nisin biosynthesis in Lactococcus lactis by signal transduction. *Journal of Biological Chemistry*, **1995**, 270, 27299-304 | 5.4 | 390 |
| 481 | Phenotypic variation in bacteria: the role of feedback regulation. *Nature Reviews Microbiology*, **2006** , 4, 259-71 | 22.2 | 381 |
| 480 | BAGEL3: Automated identification of genes encoding bacteriocins and (non-)bactericidal posttranslationally modified peptides. *Nucleic Acids Research*, **2013**, 41, W448-53 | 20.1 | 342 |

| | | | |
|---|---|---|---|
| 479 | Bacteriocins of lactic acid bacteria: extending the family. *Applied Microbiology and Biotechnology*, **2016**, 100, 2939-51 | 5.7 | 320 |
| 478 | Complete genome sequence of the prototype lactic acid bacterium Lactococcus lactis subsp. cremoris MG1363. *Journal of Bacteriology*, **2007**, 189, 3256-70 | 3.5 | 314 |
| 477 | Functional analysis of promoters in the nisin gene cluster of Lactococcus lactis. *Journal of Bacteriology*, **1996**, 178, 3434-9 | 3.5 | 279 |
| 476 | Bacterial solutions to multicellularity: a tale of biofilms, filaments and fruiting bodies. *Nature Reviews Microbiology*, **2014**, 12, 115-24 | 22.2 | 278 |
| 475 | Adaptation of Hansenula polymorpha to methanol: a transcriptome analysis. *BMC Genomics*, **2010**, 11, 1 | 4.5 | 265 |
| 474 | Characterization of the Lactococcus lactis nisin A operon genes nisP, encoding a subtilisin-like serine protease involved in precursor processing, and nisR, encoding a regulatory protein involved in nisin biosynthesis. *Journal of Bacteriology*, **1993**, 175, 2578-88 | 3.5 | 263 |
| 473 | Bet-hedging and epigenetic inheritance in bacterial cell development. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 4393-8 | 11.5 | 258 |
| 472 | X-ray structure of phospholipase A2 complexed with a substrate-derived inhibitor. *Nature*, **1990**, 347, 689-91 | 50.4 | 253 |
| 471 | BAGEL4: a user-friendly web server to thoroughly mine RiPPs and bacteriocins. *Nucleic Acids Research*, **2018**, 46, W278-W281 | 20.1 | 250 |
| 470 | Biosynthesis, immunity, regulation, mode of action and engineering of the model lantibiotic nisin. *Cellular and Molecular Life Sciences*, **2008**, 65, 455-76 | 10.3 | 247 |
| 469 | Controlling competence in Bacillus subtilis: shared use of regulators. *Microbiology (United Kingdom)* , **2003**, 149, 9-17 | 2.9 | 243 |
| 468 | Biofilm formation and dispersal in Gram-positive bacteria. *Current Opinion in Biotechnology*, **2011**, 22, 172-9 | 11.4 | 191 |
| 467 | Cell wall attachment of a widely distributed peptidoglycan binding domain is hindered by cell wall constituents. *Journal of Biological Chemistry*, **2003**, 278, 23874-81 | 5.4 | 185 |
| 466 | Controlled overproduction of proteins by lactic acid bacteria. *Trends in Biotechnology*, **1997**, 15, 135-40 | 15.1 | 170 |
| 465 | BAGEL: a web-based bacteriocin genome mining tool. *Nucleic Acids Research*, **2006**, 34, W273-9 | 20.1 | 165 |
| 464 | Maturation pathway of nisin and other lantibiotics: post-translationally modified antimicrobial peptides exported by gram-positive bacteria. *Molecular Microbiology*, **1995**, 17, 427-37 | 4.1 | 165 |
| 463 | Stripping Bacillus: ComK auto-stimulation is responsible for the bistable response in competence development. *Molecular Microbiology*, **2005**, 56, 604-14 | 4.1 | 162 |
| 462 | Properties of nisin Z and distribution of its gene, nisZ, in Lactococcus lactis. *Applied and Environmental Microbiology*, **1993**, 59, 213-8 | 4.8 | 160 |

| | | | |
|---|---|---|---|
| 461 | Bet-hedging during bacterial diauxic shift. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7427-32 | 11.5 | 158 |
| 460 | Copper stress affects iron homeostasis by destabilizing iron-sulfur cluster formation in Bacillus subtilis. *Journal of Bacteriology*, **2010**, 192, 2512-24 | 3.5 | 158 |
| 459 | The Lactococcus lactis CodY regulon: identification of a conserved cis-regulatory element. *Journal of Biological Chemistry*, **2005**, 280, 34332-42 | 5.4 | 156 |
| 458 | Use of the lactococcal nisA promoter to regulate gene expression in gram-positive bacteria: comparison of induction level and promoter strength. *Applied and Environmental Microbiology*, **1998**, 64, 2763-9 | 4.8 | 154 |
| 457 | The C-terminal region of nisin is responsible for the initial interaction of nisin with the target membrane. *Biochemistry*, **1997**, 36, 6968-76 | 3.2 | 152 |
| 456 | Density of founder cells affects spatial pattern formation and cooperation in Bacillus subtilis biofilms. *ISME Journal*, **2014**, 8, 2069-79 | 11.9 | 149 |
| 455 | Transcriptional activation of the glycolytic las operon and catabolite repression of the gal operon in Lactococcus lactis are mediated by the catabolite control protein CcpA. *Molecular Microbiology*, **1998**, 30, 789-98 | 4.1 | 148 |
| 454 | Genome engineering reveals large dispensable regions in Bacillus subtilis. *Molecular Biology and Evolution*, **2003**, 20, 2076-90 | 8.3 | 146 |
| 453 | New developments in RiPP discovery, enzymology and engineering. *Natural Product Reports*, **2021**, 38, 130-239 | 15.1 | 146 |
| 452 | Efficient random mutagenesis method with adjustable mutation frequency by use of PCR and dITP. *Nucleic Acids Research*, **1993**, 21, 777-8 | 20.1 | 144 |
| 451 | Phosphatases modulate the bistable sporulation gene expression pattern in Bacillus subtilis. *Molecular Microbiology*, **2005**, 56, 1481-94 | 4.1 | 142 |
| 450 | Comparison of lantibiotic gene clusters and encoded proteins. *Antonie Van Leeuwenhoek*, **1996**, 69, 171-84 | 2.1 | 142 |
| 449 | NisT, the transporter of the lantibiotic nisin, can transport fully modified, dehydrated, and unmodified prenisin and fusions of the leader peptide with non-lantibiotic peptides. *Journal of Biological Chemistry*, **2004**, 279, 22176-82 | 5.4 | 137 |
| 448 | Food-grade controlled lysis of Lactococcus lactis for accelerated cheese ripening. *Nature Biotechnology*, **1997**, 15, 976-9 | 44.5 | 133 |
| 447 | Lantibiotic structures as guidelines for the design of peptides that can be modified by lantibiotic enzymes. *Biochemistry*, **2005**, 44, 8873-82 | 3.2 | 132 |
| 446 | Post-translational modification of therapeutic peptides by NisB, the dehydratase of the lantibiotic nisin. *Biochemistry*, **2005**, 44, 12827-34 | 3.2 | 131 |
| 445 | Bet hedging or not? A guide to proper classification of microbial survival strategies. *BioEssays*, **2011**, 33, 215-23 | 4.1 | 129 |
| 444 | Novel surface display system for proteins on non-genetically modified gram-positive bacteria. *Applied and Environmental Microbiology*, **2006**, 72, 880-9 | 4.8 | 128 |

| | | | |
|---|---|---|---|
| 443 | A novel class of heat and secretion stress-responsive genes is controlled by the autoregulated CssRS two-component system of Bacillus subtilis. *Journal of Bacteriology*, **2002**, 184, 5661-71 | 3.5 | 126 |
| 442 | Overview on sugar metabolism and its control in Lactococcus lactis - the input from in vivo NMR. *FEMS Microbiology Reviews*, **2005**, 29, 531-54 | 15.1 | 125 |
| 441 | BAGEL2: mining for bacteriocins in genomic data. *Nucleic Acids Research*, **2010**, 38, W647-51 | 20.1 | 124 |
| 440 | Transient heterogeneity in extracellular protease production by Bacillus subtilis. *Molecular Systems Biology*, **2008**, 4, 184 | 12.2 | 123 |
| 439 | Time-resolved determination of the CcpA regulon of Lactococcus lactis subsp. cremoris MG1363. *Journal of Bacteriology*, **2007**, 189, 1366-81 | 3.5 | 123 |
| 438 | Subcellular sites for bacterial protein export. *Molecular Microbiology*, **2004**, 53, 1583-99 | 4.1 | 122 |
| 437 | Dissection and modulation of the four distinct activities of nisin by mutagenesis of rings A and B and by C-terminal truncation. *Applied and Environmental Microbiology*, **2007**, 73, 5809-16 | 4.8 | 120 |
| 436 | Improving the predictive value of the competence transcription factor (ComK) binding site in Bacillus subtilis using a genomic approach. *Nucleic Acids Research*, **2002**, 30, 5517-28 | 20.1 | 117 |
| 435 | The cop operon is required for copper homeostasis and contributes to virulence in Streptococcus pneumoniae. *Molecular Microbiology*, **2011**, 81, 1255-70 | 4.1 | 115 |
| 434 | CodY of Streptococcus pneumoniae: link between nutritional gene regulation and colonization. *Journal of Bacteriology*, **2008**, 190, 590-601 | 3.5 | 112 |
| 433 | Identification and characterization of two novel clostridial bacteriocins, circularin A and closticin 574. *Applied and Environmental Microbiology*, **2003**, 69, 1589-97 | 4.8 | 108 |
| 432 | The orientation of nisin in membranes. *Biochemistry*, **1998**, 37, 8153-62 | 3.2 | 106 |
| 431 | Protein engineering of lantibiotics. *Antonie Van Leeuwenhoek*, **1996**, 69, 161-69 | 2.1 | 106 |
| 430 | Lantibiotics: biosynthesis, mode of action and applications. *Natural Product Reports*, **1999**, 16, 575-87 | 15.1 | 104 |
| 429 | Enhanced activity and altered specificity of phospholipase A2 by deletion of a surface loop. *Science*, **1989**, 244, 82-5 | 33.3 | 104 |
| 428 | PePPER: a webserver for prediction of prokaryote promoter elements and regulons. *BMC Genomics*, **2012**, 13, 299 | 4.5 | 101 |
| 427 | Characterization of a locus from Carnobacterium piscicola LV17B involved in bacteriocin production and immunity: evidence for global inducer-mediated transcriptional regulation. *Journal of Bacteriology*, **1997**, 179, 6163-71 | 3.5 | 101 |
| 426 | AcmA of Lactococcus lactis is an N-acetylglucosaminidase with an optimal number of LysM domains for proper functioning. *FEBS Journal*, **2005**, 272, 2854-68 | 5.7 | 99 |

| | | | |
|---|---|---|---|
| 425 | Transcriptome analysis reveals mechanisms by which Lactococcus lactis acquires nisin resistance. *Antimicrobial Agents and Chemotherapy*, **2006**, 50, 1753-61 | 5.9 | 98 |
| 424 | Lactic acid bacteria: the bugs of the new millennium. *Current Opinion in Microbiology*, **2000**, 3, 276-82 | 7.9 | 98 |
| 423 | The novel transcriptional regulator SczA mediates protection against Zn2+ stress by activation of the Zn2+-resistance gene czcD in Streptococcus pneumoniae. *Molecular Microbiology*, **2007**, 65, 1049-63 | 4.1 | 97 |
| 422 | Regulation of glutamine and glutamate metabolism by GlnR and GlnA in Streptococcus pneumoniae. *Journal of Biological Chemistry*, **2006**, 281, 25097-109 | 5.4 | 97 |
| 421 | CcpA ensures optimal metabolic fitness of Streptococcus pneumoniae. *PLoS ONE*, **2011**, 6, e26707 | 3.7 | 96 |
| 420 | A generally applicable validation scheme for the assessment of factors involved in reproducibility and quality of DNA-microarray data. *BMC Genomics*, **2005**, 6, 77 | 4.5 | 96 |
| 419 | Control of lactose transport, beta-galactosidase activity, and glycolysis by CcpA in Streptococcus thermophilus: evidence for carbon catabolite repression by a non-phosphoenolpyruvate-dependent phosphotransferase system sugar. *Journal of Bacteriology*, **2000**, 182, 5982-9 | 3.5 | 96 |
| 418 | Improved site-directed mutagenesis method using PCR. *Nucleic Acids Research*, **1991**, 19, 4558 | 20.1 | 95 |
| 417 | Mechanisms and evolution of control logic in prokaryotic transcriptional regulation. *Microbiology and Molecular Biology Reviews*, **2009**, 73, 481-509, Table of Contents | 13.2 | 92 |
| 416 | The extracellular proteome of Bacillus subtilis under secretion stress conditions. *Molecular Microbiology*, **2003**, 49, 143-56 | 4.1 | 91 |
| 415 | Nisin Z, mutant nisin Z and lacticin 481 interactions with anionic lipids correlate with antimicrobial activity. A monolayer study. *FEBS Journal*, **1996**, 235, 267-74 | | 91 |
| 414 | Identification and classification of known and putative antimicrobial compounds produced by a wide variety of Bacillales species. *BMC Genomics*, **2016**, 17, 882 | 4.5 | 90 |
| 413 | Resistance of Gram-positive bacteria to nisin is not determined by lipid II levels. *FEMS Microbiology Letters*, **2004**, 239, 157-61 | 2.9 | 89 |
| 412 | Bacterial Spores in Food: Survival, Emergence, and Outgrowth. *Annual Review of Food Science and Technology*, **2016**, 7, 457-82 | 14.7 | 87 |
| 411 | Respiratory syncytial virus increases the virulence of Streptococcus pneumoniae by binding to penicillin binding protein 1a. A new paradigm in respiratory infection. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 190, 196-207 | 10.2 | 86 |
| 410 | Mucosal vaccine delivery of antigens tightly bound to an adjuvant particle made from food-grade bacteria. *Methods*, **2006**, 38, 144-9 | 4.6 | 85 |
| 409 | Autolysis of Lactococcus lactis is increased upon D-alanine depletion of peptidoglycan and lipoteichoic acids. *Journal of Bacteriology*, **2005**, 187, 114-24 | 3.5 | 85 |
| 408 | Microbial bet-hedging: the power of being different. *Current Opinion in Microbiology*, **2015**, 25, 67-72 | 7.9 | 82 |

| | | | |
|---|---|---|---|
| 407 | Cell envelope stress induced by the bacteriocin Lcn972 is sensed by the Lactococcal two-component system CesSR. *Molecular Microbiology*, **2007**, 64, 473-86 | 4.1 | 80 |
| 406 | LmrCD is a major multidrug resistance transporter in Lactococcus lactis. *Molecular Microbiology*, **2006**, 61, 771-81 | 4.1 | 80 |
| 405 | The relative value of operon predictions. *Briefings in Bioinformatics*, **2008**, 9, 367-75 | 13.4 | 79 |
| 404 | Genome2D: a visualization tool for the rapid analysis of bacterial transcriptome data. *Genome Biology*, **2004**, 5, R37 | 18.3 | 78 |
| 403 | Development and characterization of a subtilin-regulated expression system in Bacillus subtilis: strict control of gene expression by addition of subtilin. *Applied and Environmental Microbiology*, **2005**, 71, 8818-24 | 4.8 | 78 |
| 402 | Activation of silent gal genes in the lac-gal regulon of Streptococcus thermophilus. *Journal of Bacteriology*, **2001**, 183, 1184-94 | 3.5 | 78 |
| 401 | Bacillus subtilis attachment to Aspergillus niger hyphae results in mutually altered metabolism. *Environmental Microbiology*, **2015**, 17, 2099-113 | 5.2 | 77 |
| 400 | SpxB regulates O-acetylation-dependent resistance of Lactococcus lactis peptidoglycan to hydrolysis. *Journal of Biological Chemistry*, **2007**, 282, 19342-54 | 5.4 | 77 |
| 399 | MicroPreP: a cDNA microarray data pre-processing framework. *Applied Bioinformatics*, **2003**, 2, 241-4 | | 77 |
| 398 | CodY, a pleiotropic regulator, influences multicellular behaviour and efficient production of virulence factors in Bacillus cereus. *Environmental Microbiology*, **2012**, 14, 2233-46 | 5.2 | 76 |
| 397 | Live Cell Imaging of Bacillus subtilis and Streptococcus pneumoniae using Automated Time-lapse Microscopy. *Journal of Visualized Experiments*, **2011**, | 1.6 | 76 |
| 396 | Effects of gene disruptions in the nisin gene cluster of Lactococcus lactis on nisin production and producer immunity. *Microbiology (United Kingdom)*, **1999**, 145 ( Pt 5), 1227-1233 | 2.9 | 76 |
| 395 | NisC, the cyclase of the lantibiotic nisin, can catalyze cyclization of designed nonlantibiotic peptides. *Biochemistry*, **2007**, 46, 13179-89 | 3.2 | 74 |
| 394 | The membrane-bound H(+)-ATPase complex is essential for growth of Lactococcus lactis. *Journal of Bacteriology*, **2000**, 182, 4738-43 | 3.5 | 74 |
| 393 | Biosynthesis and secretion of a precursor of nisin Z by Lactococcus lactis, directed by the leader peptide of the homologous lantibiotic subtilin from Bacillus subtilis. *FEBS Letters*, **1993**, 330, 23-7 | 3.8 | 74 |
| 392 | Elucidation of the primary structure of the lantibiotic epilancin K7 from Staphylococcus epidermidis K7. Cloning and characterisation of the epilancin-K7-encoding gene and NMR analysis of mature epilancin K7. *FEBS Journal*, **1995**, 230, 587-600 | | 74 |
| 391 | Production of dehydroamino acid-containing peptides by Lactococcus lactis. *Applied and Environmental Microbiology*, **2007**, 73, 1792-6 | 4.8 | 73 |
| 390 | Molecular and functional analyses of the metC gene of Lactococcus lactis, encoding cystathionine beta-lyase. *Applied and Environmental Microbiology*, **2000**, 66, 42-8 | 4.8 | 72 |

| | | | |
|---|---|---|---|
| 389 | Copper acquisition is mediated by YcnJ and regulated by YcnK and CsoR in Bacillus subtilis. *Journal of Bacteriology*, **2009**, 191, 2362-70 | 3.5 | 71 |
| 388 | Cloning, characterization, controlled overexpression, and inactivation of the major tributyrin esterase gene of Lactococcus lactis. *Applied and Environmental Microbiology*, **2000**, 66, 1360-8 | 4.8 | 71 |
| 387 | Temporal separation of distinct differentiation pathways by a dual specificity Rap-Phr system in Bacillus subtilis. *Molecular Microbiology*, **2007**, 65, 103-20 | 4.1 | 69 |
| 386 | Changes in glycolytic activity of Lactococcus lactis induced by low temperature. *Applied and Environmental Microbiology*, **2000**, 66, 3686-91 | 4.8 | 69 |
| 385 | The Rok protein of Bacillus subtilis represses genes for cell surface and extracellular functions. *Journal of Bacteriology*, **2005**, 187, 2010-9 | 3.5 | 68 |
| 384 | Increasing the Antimicrobial Activity of Nisin-Based Lantibiotics against Gram-Negative Pathogens. *Applied and Environmental Microbiology*, **2018**, 84, | 4.8 | 67 |
| 383 | Benchmarking various green fluorescent protein variants in Bacillus subtilis, Streptococcus pneumoniae, and Lactococcus lactis for live cell imaging. *Applied and Environmental Microbiology*, **2013**, 79, 6481-90 | 4.8 | 67 |
| 382 | Effects of phosphorelay perturbations on architecture, sporulation, and spore resistance in biofilms of Bacillus subtilis. *Journal of Bacteriology*, **2006**, 188, 3099-109 | 3.5 | 67 |
| 381 | Discovering lactic acid bacteria by genomics. *Antonie Van Leeuwenhoek*, **2002**, 82, 29-58 | 2.1 | 67 |
| 380 | O-antigenic chains of lipopolysaccharide prevent binding of antibody molecules to an outer membrane pore protein in Enterobacteriaceae. *Microbial Pathogenesis*, **1986**, 1, 43-9 | 3.8 | 67 |
| 379 | Directionality and coordination of dehydration and ring formation during biosynthesis of the lantibiotic nisin. *Journal of Biological Chemistry*, **2009**, 284, 25962-72 | 5.4 | 66 |
| 378 | To have neighbour@ fare: extending the molecular toolbox for Streptococcus pneumoniae. *Microbiology (United Kingdom)*, **2006**, 152, 351-359 | 2.9 | 66 |
| 377 | Novel mechanism of bacteriocin secretion and immunity carried out by lactococcal multidrug resistance proteins. *Journal of Biological Chemistry*, **2003**, 278, 34291-8 | 5.4 | 66 |
| 376 | ArgR and AhrC are both required for regulation of arginine metabolism in Lactococcus lactis. *Journal of Bacteriology*, **2004**, 186, 1147-57 | 3.5 | 66 |
| 375 | Projector 2: contig mapping for efficient gap-closure of prokaryotic genome sequence assemblies. *Nucleic Acids Research*, **2005**, 33, W560-6 | 20.1 | 65 |
| 374 | Pore formation by nisin involves translocation of its C-terminal part across the membrane. *Biochemistry*, **1998**, 37, 16033-40 | 3.2 | 65 |
| 373 | A Duo of Potassium-Responsive Histidine Kinases Govern the Multicellular Destiny of Bacillus subtilis. *MBio*, **2015**, 6, e00581 | 7.8 | 64 |
| 372 | Heterochronic phosphorelay gene expression as a source of heterogeneity in Bacillus subtilis spore formation. *Journal of Bacteriology*, **2010**, 192, 2053-67 | 3.5 | 64 |

| | | | |
|---|---|---|---|
| 371 | Designing and producing modified, new-to-nature peptides with antimicrobial activity by use of a combination of various lantibiotic modification enzymes. *ACS Synthetic Biology*, **2013**, 2, 397-404 | 5.7 | 63 |
| 370 | Production of a class II two-component lantibiotic of Streptococcus pneumoniae using the class I nisin synthetic machinery and leader sequence. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 1498-505 | 5.9 | 63 |
| 369 | Probing direct interactions between CodY and the oppD promoter of Lactococcus lactis. *Journal of Bacteriology*, **2005**, 187, 512-21 | 3.5 | 63 |
| 368 | Regulation of the metC-cysK operon, involved in sulfur metabolism in Lactococcus lactis. *Journal of Bacteriology*, **2002**, 184, 82-90 | 3.5 | 63 |
| 367 | Mining prokaryotes for antimicrobial compounds: from diversity to function. *FEMS Microbiology Reviews*, **2017**, 41, 417-429 | 15.1 | 60 |
| 366 | Characterization of the individual glucose uptake systems of Lactococcus lactis: mannose-PTS, cellobiose-PTS and the novel GlcU permease. *Molecular Microbiology*, **2009**, 71, 795-806 | 4.1 | 60 |
| 365 | A minimal Tat system from a gram-positive organism: a bifunctional TatA subunit participates in discrete TatAC and TatA complexes. *Journal of Biological Chemistry*, **2008**, 283, 2534-42 | 5.4 | 60 |
| 364 | Expression of porcine pancreatic phospholipase A2. Generation of active enzyme by sequence-specific cleavage of a hybrid protein from Escherichia coli. *Nucleic Acids Research*, **1987**, 15, 3743-59 | 20.1 | 60 |
| 363 | Analysis of the role of 7 kDa cold-shock proteins of Lactococcus lactis MG1363 in cryoprotection. *Microbiology (United Kingdom)*, **1999**, 145 ( Pt 11), 3185-3194 | 2.9 | 60 |
| 362 | The role of cold-shock proteins in low-temperature adaptation of food-related bacteria. *Systematic and Applied Microbiology*, **2000**, 23, 165-73 | 4.2 | 59 |
| 361 | Generic and specific adaptive responses of Streptococcus pneumoniae to challenge with three distinct antimicrobial peptides, bacitracin, LL-37, and nisin. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 440-51 | 5.9 | 58 |
| 360 | Transcriptional response of Streptococcus pneumoniae to Zn2+) limitation and the repressor/activator function of AdcR. *Metallomics*, **2011**, 3, 609-18 | 4.5 | 58 |
| 359 | Search for genes essential for pneumococcal transformation: the RADA DNA repair protein plays a role in genomic recombination of donor DNA. *Journal of Bacteriology*, **2007**, 189, 6540-50 | 3.5 | 58 |
| 358 | Opposite effects of Mn2+ and Zn2+ on PsaR-mediated expression of the virulence genes pcpA, prtA, and psaBCA of Streptococcus pneumoniae. *Journal of Bacteriology*, **2008**, 190, 5382-93 | 3.5 | 57 |
| 357 | LmrR is a transcriptional repressor of expression of the multidrug ABC transporter LmrCD in Lactococcus lactis. *Journal of Bacteriology*, **2008**, 190, 759-63 | 3.5 | 56 |
| 356 | Single cell analysis of gene expression patterns of competence development and initiation of sporulation in Bacillus subtilis grown on chemically defined media. *Journal of Applied Microbiology*, **2006**, 101, 531-41 | 4.7 | 56 |
| 355 | Functional analysis of the gene cluster involved in production of the bacteriocin circularin A by Clostridium beijerinckii ATCC 25752. *Applied and Environmental Microbiology*, **2003**, 69, 5839-48 | 4.8 | 56 |
| 354 | Analysis of modular bioengineered antimicrobial lanthipeptides at nanoliter scale. *Nature Chemical Biology*, **2019**, 15, 437-443 | 11.7 | 55 |

| | | | |
|---|---|---|---|
| 353 | Discovery, Production and Modification of Five Novel Lantibiotics Using the Promiscuous Nisin Modification Machinery. *ACS Synthetic Biology*, **2016**, 5, 1146-1154 | 5.7 | 55 |
| 352 | Visualization of differential gene expression by improved cyan fluorescent protein and yellow fluorescent protein production in Bacillus subtilis. *Applied and Environmental Microbiology*, **2004**, 70, 6809-15 | 4.8 | 55 |
| 351 | Fructose utilization in Lactococcus lactis as a model for low-GC gram-positive bacteria: its regulator, signal, and DNA-binding site. *Journal of Bacteriology*, **2005**, 187, 3752-61 | 3.5 | 55 |
| 350 | Regulatory functions of serine-46-phosphorylated HPr in Lactococcus lactis. *Journal of Bacteriology*, **2001**, 183, 3391-8 | 3.5 | 55 |
| 349 | Site-specific contributions of glutamine-dependent regulator GlnR and GlnR-regulated genes to virulence of Streptococcus pneumoniae. *Infection and Immunity*, **2008**, 76, 1230-8 | 3.7 | 54 |
| 348 | Transcriptome analysis of temporal regulation of carbon metabolism by CcpA in Bacillus subtilis reveals additional target genes. *Journal of Molecular Microbiology and Biotechnology*, **2007**, 12, 82-95 | 0.9 | 54 |
| 347 | Differential expression of two paralogous genes of Bacillus subtilis encoding single-stranded DNA binding protein. *Journal of Bacteriology*, **2004**, 186, 1097-105 | 3.5 | 54 |
| 346 | Identification and functional characterization of the Lactococcus lactis CodY-regulated branched-chain amino acid permease BcaP (CtrA). *Journal of Bacteriology*, **2006**, 188, 3280-9 | 3.5 | 51 |
| 345 | Novel methods for genetic transformation of natural Bacillus subtilis isolates used to study the regulation of the mycosubtilin and surfactin synthetases. *Applied and Environmental Microbiology*, **2007**, 73, 3490-6 | 4.8 | 51 |
| 344 | High- and low-affinity cre boxes for CcpA binding in Bacillus subtilis revealed by genome-wide analysis. *BMC Genomics*, **2012**, 13, 401 | 4.5 | 50 |
| 343 | Insight into the conformational dynamics of specific regions of porcine pancreatic phospholipase A2 from a time-resolved fluorescence study of a genetically inserted single tryptophan residue. *Biochemistry*, **1991**, 30, 8771-85 | 3.2 | 50 |
| 342 | NisC binds the FxLx motif of the nisin leader peptide. *Biochemistry*, **2013**, 52, 5387-95 | 3.2 | 49 |
| 341 | A novel scheme to assess factors involved in the reproducibility of DNA-microarray data **2005**, 6, P4 | | 49 |
| 340 | A mobile genetic element profoundly increases heat resistance of bacterial spores. *ISME Journal*, **2016**, 10, 2633-2642 | 11.9 | 49 |
| 339 | Control of the diadenylate cyclase CdaS in Bacillus subtilis: an autoinhibitory domain limits cyclic di-AMP production. *Journal of Biological Chemistry*, **2014**, 289, 21098-107 | 5.4 | 47 |
| 338 | From meadows to milk to mucosa - adaptation of Streptococcus and Lactococcus species to their nutritional environments. *FEMS Microbiology Reviews*, **2012**, 36, 949-71 | 15.1 | 47 |
| 337 | Optimization of protein secretion by Bacillus subtilis. *Recent Patents on Biotechnology*, **2008**, 2, 79-87 | 2.2 | 47 |
| 336 | Cold shock proteins of Lactococcus lactis MG1363 are involved in cryoprotection and in the production of cold-induced proteins. *Applied and Environmental Microbiology*, **2001**, 67, 5171-8 | 4.8 | 47 |

| | | | |
|---|---|---|---|
| 335 | Clustered organization and transcriptional analysis of a family of five csp genes of Lactococcus lactis MG1363. *Microbiology (United Kingdom)*, **1998**, 144 ( Pt 10), 2885-2893 | 2.9 | 47 |
| 334 | Cold shock proteins and low-temperature response of Streptococcus thermophilus CNRZ302. *Applied and Environmental Microbiology*, **1999**, 65, 4436-42 | 4.8 | 47 |
| 333 | Increased D-alanylation of lipoteichoic acid and a thickened septum are main determinants in the nisin resistance mechanism of Lactococcus lactis. *Microbiology (United Kingdom)*, **2008**, 154, 1755-1762 | 2.9 | 46 |
| 332 | Rok regulates yuaB expression during architecturally complex colony development of Bacillus subtilis 168. *Journal of Bacteriology*, **2011**, 193, 998-1002 | 3.5 | 45 |
| 331 | Influence of charge differences in the C-terminal part of nisin on antimicrobial activity and signaling capacity. *FEBS Journal*, **1997**, 247, 114-20 | | 45 |
| 330 | Sec-mediated transport of posttranslationally dehydrated peptides in Lactococcus lactis. *Applied and Environmental Microbiology*, **2006**, 72, 7626-33 | 4.8 | 45 |
| 329 | Comparative and functional genomics of lactococci. *FEMS Microbiology Reviews*, **2005**, 29, 411-433 | 15.1 | 45 |
| 328 | Determining sites of interaction between prenisin and its modification enzymes NisB and NisC. *Molecular Microbiology*, **2011**, 82, 706-18 | 4.1 | 44 |
| 327 | Protein costs do not explain evolution of metabolic strategies and regulation of ribosomal content: does protein investment explain an anaerobic bacterial Crabtree effect?. *Molecular Microbiology*, **2015**, 97, 77-92 | 4.1 | 43 |
| 326 | DEAD-Box RNA helicases in Bacillus subtilis have multiple functions and act independently from each other. *Journal of Bacteriology*, **2013**, 195, 534-44 | 3.5 | 43 |
| 325 | Penicillin-binding protein folding is dependent on the PrsA peptidyl-prolyl cis-trans isomerase in Bacillus subtilis. *Molecular Microbiology*, **2010**, 77, 108-27 | 4.1 | 43 |
| 324 | Transcriptome analysis and related databases of Lactococcus lactis. *Antonie Van Leeuwenhoek*, **2002**, 82, 113-122 | 2.1 | 43 |
| 323 | Potentiating the Activity of Nisin against Escherichia coli. *Frontiers in Cell and Developmental Biology*, **2016**, 4, 7 | 5.7 | 43 |
| 322 | Two distinct groups within the Bacillus subtilis group display significantly different spore heat resistance properties. *Food Microbiology*, **2015**, 45, 18-25 | 6 | 42 |
| 321 | Regulon of the N-acetylglucosamine utilization regulator NagR in Bacillus subtilis. *Journal of Bacteriology*, **2011**, 193, 3525-36 | 3.5 | 42 |
| 320 | Towards enhanced galactose utilization by Lactococcus lactis. *Applied and Environmental Microbiology*, **2010**, 76, 7048-60 | 4.8 | 41 |
| 319 | Ubiquitous late competence genes in Bacillus species indicate the presence of functional DNA uptake machineries. *Environmental Microbiology*, **2009**, 11, 1911-22 | 5.2 | 41 |
| 318 | Expression systems for industrial Gram-positive bacteria with low guanine and cytosine content. *Current Opinion in Biotechnology*, **1997**, 8, 547-53 | 11.4 | 41 |

| | | | |
|---|---|---|---|
| 317 | The structure of the lantibiotic lacticin 481 produced by Lactococcus lactis: location of the thioether bridges. *FEBS Letters*, **1996**, 391, 317-22 | 3.8 | 41 |
| 316 | Molecular characterization of the Lactococcus lactis ptsHI operon and analysis of the regulatory role of HPr. *Journal of Bacteriology*, **1999**, 181, 764-71 | 3.5 | 41 |
| 315 | Bacterial spores in food: how phenotypic variability complicates prediction of spore properties and bacterial behavior. *Current Opinion in Biotechnology*, **2011**, 22, 180-6 | 11.4 | 40 |
| 314 | Improvement of Lactobacillus plantarum aerobic growth as directed by comprehensive transcriptome analysis. *Applied and Environmental Microbiology*, **2008**, 74, 4776-8 | 4.8 | 40 |
| 313 | Development of genomic array footprinting for identification of conditionally essential genes in Streptococcus pneumoniae. *Applied and Environmental Microbiology*, **2007**, 73, 1514-24 | 4.8 | 40 |
| 312 | Lactococcus lactis YfiA is necessary and sufficient for ribosome dimerization. *Molecular Microbiology*, **2014**, 91, 394-407 | 4.1 | 39 |
| 311 | Interaction between ArgR and AhrC controls regulation of arginine metabolism in Lactococcus lactis. *Journal of Biological Chemistry*, **2005**, 280, 19319-30 | 5.4 | 39 |
| 310 | Assessment of CcpA-mediated catabolite control of gene expression in Bacillus cereus ATCC 14579. *BMC Microbiology*, **2008**, 8, 62 | 4.5 | 38 |
| 309 | Employing the promiscuity of lantibiotic biosynthetic machineries to produce novel antimicrobials. *FEMS Microbiology Reviews*, **2017**, 41, 5-18 | 15.1 | 37 |
| 308 | The YmdB phosphodiesterase is a global regulator of late adaptive responses in Bacillus subtilis. *Journal of Bacteriology*, **2014**, 196, 265-75 | 3.5 | 37 |
| 307 | Regulation of arginine acquisition and virulence gene expression in the human pathogen Streptococcus pneumoniae by transcription regulators ArgR1 and AhrC. *Journal of Biological Chemistry*, **2011**, 286, 44594-605 | 5.4 | 37 |
| 306 | Comparative analyses of prophage-like elements present in two Lactococcus lactis strains. *Applied and Environmental Microbiology*, **2007**, 73, 7771-80 | 4.8 | 37 |
| 305 | Regulation of gene expression in Streptococcus pneumoniae by response regulator 09 is strain dependent. *Journal of Bacteriology*, **2007**, 189, 1382-9 | 3.5 | 37 |
| 304 | Structure and biological activity of chemically modified nisin A species. *FEBS Journal*, **1996**, 241, 716-22 | | 37 |
| 303 | The length of a lantibiotic hinge region has profound influence on antimicrobial activity and host specificity. *Frontiers in Microbiology*, **2015**, 6, 11 | 5.7 | 36 |
| 302 | The protective layer of biofilm: a repellent function for a new class of amphiphilic proteins. *Molecular Microbiology*, **2012**, 85, 8-11 | 4.1 | 36 |
| 301 | T-REx: Transcriptome analysis webserver for RNA-seq Expression data. *BMC Genomics*, **2015**, 16, 663 | 4.5 | 36 |
| 300 | Autoregulation of subtilin biosynthesis in Bacillus subtilis: the role of the spa-box in subtilin-responsive promoters. *Peptides*, **2004**, 25, 1415-24 | 3.8 | 36 |

| | | | |
|---|---|---|---|
| 299 | The role of zinc in the interplay between pathogenic streptococci and their hosts. *Molecular Microbiology*, **2013**, 88, 1047-57 | 4.1 | 35 |
| 298 | Different subcellular locations of secretome components of Gram-positive bacteria. *Microbiology (United Kingdom)*, **2006**, 152, 2867-2874 | 2.9 | 35 |
| 297 | Genomics for food biotechnology: prospects of the use of high-throughput technologies for the improvement of food microorganisms. *Current Opinion in Biotechnology*, **1999**, 10, 511-6 | 11.4 | 35 |
| 296 | Pyruvate oxidase influences the sugar utilization pattern and capsule production in Streptococcus pneumoniae. *PLoS ONE*, **2013**, 8, e68277 | 3.7 | 35 |
| 295 | Specificity and Application of the Lantibiotic Protease NisP. *Frontiers in Microbiology*, **2018**, 9, 160 | 5.7 | 34 |
| 294 | Prospects of Incorporation of Non-canonical Amino Acids for the Chemical Diversification of Antimicrobial Peptides. *Frontiers in Microbiology*, **2017**, 8, 124 | 5.7 | 34 |
| 293 | Iron starvation triggers the stringent response and induces amino acid biosynthesis for bacillibactin production in Bacillus subtilis. *Journal of Bacteriology*, **2006**, 188, 8655-7 | 3.5 | 34 |
| 292 | Physiological and regulatory effects of controlled overproduction of five cold shock proteins of Lactococcus lactis MG1363. *Applied and Environmental Microbiology*, **2000**, 66, 3756-63 | 4.8 | 34 |
| 291 | Time-resolved transcriptomics and bioinformatic analyses reveal intrinsic stress responses during batch culture of Bacillus subtilis. *PLoS ONE*, **2011**, 6, e27160 | 3.7 | 34 |
| 290 | Comparative Transcriptomics of Strains in Response to Potato-Root Exudates Reveals Different Genetic Adaptation of Endophytic and Soil Isolates. *Frontiers in Microbiology*, **2017**, 8, 1487 | 5.7 | 33 |
| 289 | Pneumococcal gene complex involved in resistance to extracellular oxidative stress. *Infection and Immunity*, **2012**, 80, 1037-49 | 3.7 | 33 |
| 288 | Induction of natural competence in Bacillus cereus ATCC14579. *Microbial Biotechnology*, **2008**, 1, 226-35 | 6.3 | 33 |
| 287 | GlnR-mediated regulation of nitrogen metabolism in Lactococcus lactis. *Journal of Bacteriology*, **2006**, 188, 4978-82 | 3.5 | 33 |
| 286 | Heterologous production and secretion of Clostridium perfringens beta-toxoid in closely related Gram-positive hosts. *Journal of Biotechnology*, **2007**, 127, 361-72 | 3.7 | 33 |
| 285 | Homology modelling of the Lactococcus lactis leader peptidase NisP and its interaction with the precursor of the lantibiotic nisin. *Protein Engineering, Design and Selection*, **1995**, 8, 117-25 | 1.9 | 33 |
| 284 | Activities of native and tyrosine-69 mutant phospholipases A2 on phospholipid analogues. A reevaluation of the minimal substrate requirements. *Biochemistry*, **1990**, 29, 6094-102 | 3.2 | 33 |
| 283 | SporeWeb: an interactive journey through the complete sporulation cycle of Bacillus subtilis. *Nucleic Acids Research*, **2014**, 42, D685-91 | 20.1 | 32 |
| 282 | Zirex: a novel zinc-regulated expression system for Lactococcus lactis. *Applied and Environmental Microbiology*, **2013**, 79, 4503-8 | 4.8 | 32 |

| | | | |
|---|---|---|---|
| 281 | A facile reporter system for the experimental identification of twin-arginine translocation (Tat) signal peptides from all kingdoms of life. *Journal of Molecular Biology*, **2008**, 375, 595-603 | 6.5 | 32 |
| 280 | UniFrag and GenomePrimer: selection of primers for genome-wide production of unique amplicons. *Bioinformatics*, **2003**, 19, 1580-2 | 7.2 | 32 |
| 279 | Tricksy business: transcriptome analysis reveals the involvement of thioredoxin A in redox homeostasis, oxidative stress, sulfur metabolism, and cellular differentiation in Bacillus subtilis. *Journal of Bacteriology*, **2005**, 187, 3921-30 | 3.5 | 32 |
| 278 | Engineering a disulfide bond and free thiols in the lantibiotic nisin Z. *FEBS Journal*, **2000**, 267, 901-9 | | 32 |
| 277 | AcmD, a homolog of the major autolysin AcmA of Lactococcus lactis, binds to the cell wall and contributes to cell separation and autolysis. *PLoS ONE*, **2013**, 8, e72167 | 3.7 | 32 |
| 276 | Identification of distinct nisin leader peptide regions that determine interactions with the modification enzymes NisB and NisC. *FEBS Open Bio*, **2013**, 3, 237-42 | 2.7 | 31 |
| 275 | Genetic tool development for a new host for biotechnology, the thermotolerant bacterium Bacillus coagulans. *Applied and Environmental Microbiology*, **2010**, 76, 4085-8 | 4.8 | 31 |
| 274 | The ABC-type multidrug resistance transporter LmrCD is responsible for an extrusion-based mechanism of bile acid resistance in Lactococcus lactis. *Journal of Bacteriology*, **2008**, 190, 7357-66 | 3.5 | 31 |
| 273 | Antirepression as a second mechanism of transcriptional activation by a minor groove binding protein. *Molecular Microbiology*, **2007**, 64, 368-81 | 4.1 | 31 |
| 272 | A two-component signal-transduction cascade in Carnobacterium piscicola LV17B: two signaling peptides and one sensor-transmitter. *Peptides*, **2001**, 22, 1597-601 | 3.8 | 31 |
| 271 | Control of transcription elongation by GreA determines rate of gene expression in Streptococcus pneumoniae. *Nucleic Acids Research*, **2014**, 42, 10987-99 | 20.1 | 30 |
| 270 | A specific mutation in the promoter region of the silent cel cluster accounts for the appearance of lactose-utilizing Lactococcus lactis MG1363. *Applied and Environmental Microbiology*, **2012**, 78, 5612-21 | 4.8 | 30 |
| 269 | Transformation of undomesticated strains of Bacillus subtilis by protoplast electroporation. *Journal of Microbiological Methods*, **2006**, 66, 556-9 | 2.8 | 30 |
| 268 | Physiological and Transcriptional Responses of Different Industrial Microbes at Near-Zero Specific Growth Rates. *Applied and Environmental Microbiology*, **2015**, 81, 5662-70 | 4.8 | 29 |
| 267 | Spatio-temporal remodeling of functional membrane microdomains organizes the signaling networks of a bacterium. *PLoS Genetics*, **2015**, 11, e1005140 | 6 | 29 |
| 266 | The Evolution of gene regulation research in Lactococcus lactis. *FEMS Microbiology Reviews*, **2017**, 41, S220-S243 | 15.1 | 29 |
| 265 | The response of Lactococcus lactis to membrane protein production. *PLoS ONE*, **2011**, 6, e24060 | 3.7 | 29 |
| 264 | pSEUDO, a genetic integration standard for Lactococcus lactis. *Applied and Environmental Microbiology*, **2011**, 77, 6687-90 | 4.8 | 29 |

| | | | |
|---|---|---|---|
| 263 | Characterization of the divergent sacBK and sacAR operons, involved in sucrose utilization by Lactococcus lactis. *Journal of Bacteriology*, **1999**, 181, 1924-6 | 3.5 | 29 |
| 262 | Incorporation of tryptophan analogues into the lantibiotic nisin. *Amino Acids*, **2016**, 48, 1309-18 | 3.5 | 29 |
| 261 | Increasing the success rate of lantibiotic drug discovery by Synthetic Biology. *Expert Opinion on Drug Discovery*, **2012**, 7, 695-709 | 6.2 | 28 |
| 260 | Environmental and nutritional factors that affect growth and metabolism of the pneumococcal serotype 2 strain D39 and its nonencapsulated derivative strain R6. *PLoS ONE*, **2013**, 8, e58492 | 3.7 | 28 |
| 259 | The twin-arginine translocation (Tat) systems from Bacillus subtilis display a conserved mode of complex organization and similar substrate recognition requirements. *FEBS Journal*, **2009**, 276, 232-43 | 5.7 | 28 |
| 258 | Sugar utilisation and conservation of the gal-lac gene cluster in Streptococcus thermophilus. *Systematic and Applied Microbiology*, **2004**, 27, 10-7 | 4.2 | 28 |
| 257 | Crystal structures of two transcriptional regulators from Bacillus cereus define the conserved structural features of a PadR subfamily. *PLoS ONE*, **2012**, 7, e48015 | 3.7 | 28 |
| 256 | CelR-mediated activation of the cellobiose-utilization gene cluster in Streptococcus pneumoniae. *Microbiology (United Kingdom)*, **2011**, 157, 2854-2861 | 2.9 | 27 |
| 255 | Transcriptome analysis and related databases of Lactococcus lactis. *Antonie Van Leeuwenhoek*, **2002**, 82, 113-22 | 2.1 | 27 |
| 254 | Spo0A regulates chromosome copy number during sporulation by directly binding to the origin of replication in Bacillus subtilis. *Molecular Microbiology*, **2013**, 87, 925-38 | 4.1 | 26 |
| 253 | Strain-specific impact of PsaR of Streptococcus pneumoniae on global gene expression and virulence. *Microbiology (United Kingdom)*, **2009**, 155, 1569-1579 | 2.9 | 26 |
| 252 | Transcriptome analysis of the Lactococcus lactis ArgR and AhrC regulons. *Applied and Environmental Microbiology*, **2008**, 74, 4768-71 | 4.8 | 26 |
| 251 | FIVA: Functional Information Viewer and Analyzer extracting biological knowledge from transcriptome data of prokaryotes. *Bioinformatics*, **2007**, 23, 1161-3 | 7.2 | 26 |
| 250 | The impact of manganese on biofilm development of Bacillus subtilis. *Microbiology (United Kingdom)*, **2016**, 162, 1468-1478 | 2.9 | 26 |
| 249 | Renaissance of traditional DNA transfer strategies for improvement of industrial lactic acid bacteria. *Current Opinion in Biotechnology*, **2019**, 56, 61-68 | 11.4 | 26 |
| 248 | Gene expression platform for synthetic biology in the human pathogen Streptococcus pneumoniae. *ACS Synthetic Biology*, **2015**, 4, 228-39 | 5.7 | 25 |
| 247 | Metabolic and transcriptional analysis of acid stress in Lactococcus lactis, with a focus on the kinetics of lactic acid pools. *PLoS ONE*, **2013**, 8, e68470 | 3.7 | 25 |
| 246 | A disulfide bond-containing alkaline phosphatase triggers a BdbC-dependent secretion stress response in Bacillus subtilis. *Applied and Environmental Microbiology*, **2006**, 72, 6876-85 | 4.8 | 25 |

| | | | |
|---|---|---|---|
| 245 | Identification of a novel streptococcal gene cassette mediating SOS mutagenesis in Streptococcus uberis. *Journal of Bacteriology*, **2007**, 189, 5210-22 | 3.5 | 25 |
| 244 | Natural sweetening of food products by engineering Lactococcus lactis for glucose production. *Metabolic Engineering*, **2006**, 8, 456-64 | 9.7 | 25 |
| 243 | Current strategies for improving food bacteria. *Research in Microbiology*, **2000**, 151, 815-22 | 4 | 25 |
| 242 | Exploring plant-microbe interactions of the rhizobacteria Bacillus subtilis and Bacillus mycoides by use of the CRISPR-Cas9 system. *Environmental Microbiology*, **2018**, 20, 4245-4260 | 5.2 | 24 |
| 241 | LacR is a repressor of lacABCD and LacT is an activator of lacTFEG, constituting the lac gene cluster in Streptococcus pneumoniae. *Applied and Environmental Microbiology*, **2014**, 80, 5349-58 | 4.8 | 24 |
| 240 | When the leader gets loose: in vivo biosynthesis of a leaderless prenisin is stimulated by a trans-acting leader peptide. *ChemBioChem*, **2012**, 13, 2433-8 | 3.8 | 24 |
| 239 | Single cell analysis of gene expression patterns during carbon starvation in Bacillus subtilis reveals large phenotypic variation. *Environmental Microbiology*, **2012**, 14, 3110-21 | 5.2 | 24 |
| 238 | The Escherichia coli TatABC system and a Bacillus subtilis TatAC-type system recognise three distinct targeting determinants in twin-arginine signal peptides. *Journal of Molecular Biology*, **2008**, 375, 661-72 | 6.5 | 24 |
| 237 | Evidence for the involvement of tyrosine-69 in the control of stereospecificity of porcine pancreatic phospholipase A2. *Protein Engineering, Design and Selection*, **1989**, 2, 467-71 | 1.9 | 24 |
| 236 | Metabolic engineering and synthetic biology employing Lactococcus lactis and Bacillus subtilis cell factories. *Current Opinion in Biotechnology*, **2019**, 59, 1-7 | 11.4 | 24 |
| 235 | Production and secretion stress caused by overexpression of heterologous alpha-amylase leads to inhibition of sporulation and a prolonged motile phase in Bacillus subtilis. *Applied and Environmental Microbiology*, **2007**, 73, 5354-62 | 4.8 | 23 |
| 234 | The Bacillus secretion stress response is an indicator for alpha-amylase production levels. *Letters in Applied Microbiology*, **2004**, 39, 65-73 | 2.9 | 23 |
| 233 | Function of the fully conserved residues Asp99, Tyr52 and Tyr73 in phospholipase A2. *Protein Engineering, Design and Selection*, **1990**, 4, 199-204 | 1.9 | 23 |
| 232 | Linking Bacillus cereus Genotypes and Carbohydrate Utilization Capacity. *PLoS ONE*, **2016**, 11, e0156796 | 3.7 | 23 |
| 231 | Transcriptional and metabolic effects of glucose on Streptococcus pneumoniae sugar metabolism. *Frontiers in Microbiology*, **2015**, 6, 1041 | 5.7 | 22 |
| 230 | Relaxed specificity of the Bacillus subtilis TatAdCd translocase in Tat-dependent protein secretion. *Journal of Bacteriology*, **2009**, 191, 196-202 | 3.5 | 22 |
| 229 | The transcriptional and gene regulatory network of Lactococcus lactis MG1363 during growth in milk. *PLoS ONE*, **2013**, 8, e53085 | 3.7 | 22 |
| 228 | Heterologous biosynthesis and characterization of a glycocin from a thermophilic bacterium. *Nature Communications*, **2019**, 10, 1115 | 17.4 | 21 |

| | | | |
|---|---|---|---|
| 227 | Modulation of Quorum Sensing in a Gram-Positive Pathogen by Linear Molecularly Imprinted Polymers with Anti-infective Properties. *Angewandte Chemie - International Edition*, **2017**, 56, 16555-16558 | 16.4 | 21 |
| 226 | YsbA and LytST are essential for pyruvate utilization in Bacillus subtilis. *Environmental Microbiology*, **2017**, 19, 83-94 | 5.2 | 21 |
| 225 | Physiological and cell morphology adaptation of Bacillus subtilis at near-zero specific growth rates: a transcriptome analysis. *Environmental Microbiology*, **2015**, 17, 346-63 | 5.2 | 21 |
| 224 | Transcriptional regulation of fatty acid biosynthesis in Lactococcus lactis. *Journal of Bacteriology*, **2013**, 195, 1081-9 | 3.5 | 21 |
| 223 | Making More of Milk Sugar by Engineering Lactic Acid Bacteria. *International Dairy Journal*, **1998**, 8, 227-233 | 3.5 | 21 |
| 222 | Influence of shifting positions of Ser, Thr, and Cys residues in prenisin on the efficiency of modification reactions and on the antimicrobial activities of the modified prepeptides. *Applied and Environmental Microbiology*, **2008**, 74, 4680-5 | 4.8 | 21 |
| 221 | Molecular Genetics Information System (MOLGENIS): alternatives in developing local experimental genomics databases. *Bioinformatics*, **2004**, 20, 2075-83 | 7.2 | 21 |
| 220 | Comparative and functional genomics of lactococci. *FEMS Microbiology Reviews*, **2005**, 29, 411-33 | 15.1 | 21 |
| 219 | Bacillus thermoamylovorans Spores with Very-High-Level Heat Resistance Germinate Poorly in Rich Medium despite the Presence of ger Clusters but Efficiently upon Exposure to Calcium-Dipicolinic Acid. *Applied and Environmental Microbiology*, **2015**, 81, 7791-801 | 4.8 | 20 |
| 218 | Supervised Lowess normalization of comparative genome hybridization data--application to lactococcal strain comparisons. *BMC Bioinformatics*, **2008**, 9, 93 | 3.6 | 20 |
| 217 | Mechanism of transcription activation at the comG promoter by the competence transcription factor ComK of Bacillus subtilis. *Journal of Bacteriology*, **2004**, 186, 1120-8 | 3.5 | 20 |
| 216 | Engineering of quorum-sensing systems for improved production of alkaline protease by Bacillus subtilis. *Journal of Applied Microbiology*, **2004**, 96, 569-78 | 4.7 | 20 |
| 215 | An Engineered Double Lipid II Binding Motifs-Containing Lantibiotic Displays Potent and Selective Antimicrobial Activity against Enterococcus faecium. *Antimicrobial Agents and Chemotherapy*, **2020**, 64, | 5.9 | 20 |
| 214 | Efficient overproduction of membrane proteins in Lactococcus lactis requires the cell envelope stress sensor/regulator couple CesSR. *PLoS ONE*, **2011**, 6, e21873 | 3.7 | 20 |
| 213 | Identification of Differentially Expressed Genes during Spore Outgrowth in High-Salinity Environments Using RNA Sequencing. *Frontiers in Microbiology*, **2016**, 7, 1564 | 5.7 | 20 |
| 212 | High-Level Heat Resistance of Spores of and Results from the Presence of a Operon in a Tn Transposon. *Frontiers in Microbiology*, **2016**, 7, 1912 | 5.7 | 20 |
| 211 | Spore Heat Activation Requirements and Germination Responses Correlate with Sequences of Germinant Receptors and with the Presence of a Specific Operon in Foodborne Strains of Bacillus subtilis. *Applied and Environmental Microbiology*, **2017**, 83, | 4.8 | 19 |
| 210 | Boosting heterologous protein production yield by adjusting global nitrogen and carbon metabolic regulatory networks in Bacillus subtilis. *Metabolic Engineering*, **2018**, 49, 143-152 | 9.7 | 19 |

| | | | |
|---|---|---|---|
| 209 | Unleashing Natural Competence in Lactococcus lactis by Induction of the Competence Regulator ComX. *Applied and Environmental Microbiology*, **2017**, 83, | 4.8 | 19 |
| 208 | The alpha-phosphoglucomutase of Lactococcus lactis is unrelated to the alpha-D-phosphohexomutase superfamily and is encoded by the essential gene pgmH. *Journal of Biological Chemistry*, **2006**, 281, 36864-73 | 5.4 | 19 |
| 207 | Protein engineering and biosynthesis of nisin and regulation of transcription of the structural nisA gene. *International Dairy Journal*, **1995**, 5, 785-795 | 3.5 | 19 |
| 206 | Genome-guided identification of novel head-to-tail cyclized antimicrobial peptides, exemplified by the discovery of pumilarin. *Microbial Genomics*, **2017**, 3, e000134 | 4.4 | 19 |
| 205 | Engineering Lactococcus lactis for the production of unusual anthocyanins using tea as substrate. *Metabolic Engineering*, **2019**, 54, 160-169 | 9.7 | 18 |
| 204 | In vivo selection of sfGFP variants with improved and reliable functionality in industrially important thermophilic bacteria. *Biotechnology for Biofuels*, **2018**, 11, 8 | 7.8 | 18 |
| 203 | Major gene-regulatory mechanisms operating in ribosomally synthesized and post-translationally modified peptide (RiPP) biosynthesis. *Molecular Microbiology*, **2017**, 106, 186-206 | 4.1 | 18 |
| 202 | Response of Bacillus cereus ATCC 14579 to challenges with sublethal concentrations of enterocin AS-48. *BMC Microbiology*, **2009**, 9, 227 | 4.5 | 18 |
| 201 | Pneumococcal galactose catabolism is controlled by multiple regulators acting on pyruvate formate lyase. *Scientific Reports*, **2017**, 7, 43587 | 4.9 | 17 |
| 200 | Transcriptome analysis shows activation of the arginine deiminase pathway in Lactococcus lactis as a response to ethanol stress. *International Journal of Food Microbiology*, **2017**, 257, 41-48 | 5.8 | 17 |
| 199 | Transcriptional profiling of UlaR-regulated genes in Streptococcus pneumoniae. *Genomics Data*, **2015**, 4, 57-9 | | 17 |
| 198 | AguR, a Transmembrane Transcription Activator of the Putrescine Biosynthesis Operon in Lactococcus lactis, Acts in Response to the Agmatine Concentration. *Applied and Environmental Microbiology*, **2015**, 81, 6145-57 | 4.8 | 17 |
| 197 | Selective Modification of Ribosomally Synthesized and Post-Translationally Modified Peptides (RiPPs) through Diels-Alder Cycloadditions on Dehydroalanine Residues. *Chemistry - A European Journal*, **2019**, 25, 12698-12702 | 4.8 | 17 |
| 196 | Deletion of a cation transporter promotes lysis in Streptococcus pneumoniae. *Infection and Immunity*, **2011**, 79, 2314-23 | 3.7 | 17 |
| 195 | Structural features of the final intermediate in the biosynthesis of the lantibiotic nisin. Influence of the leader peptide. *Biochemistry*, **1997**, 36, 14137-45 | 3.2 | 17 |
| 194 | Visualizing Genome Expression and Regulatory Network Dynamics in Genomic and Metabolic Context. *Computer Graphics Forum*, **2008**, 27, 887-894 | 2.4 | 17 |
| 193 | Overview on sugar metabolism and its control inLactococcus lactis□The input from in vivo NMR. *FEMS Microbiology Reviews*, **2005**, 29, 531-554 | 15.1 | 17 |
| 192 | Casitone-mediated expression of the prtP and prtM genes in Lactococcus lactis subsp. lactis BGIS29. *Archives of Microbiology*, **2001**, 177, 54-61 | 3 | 17 |

| | | | |
|---|---|---|---|
| 191 | Development of an efficient electroporation method for rhizobacterial Bacillus mycoides strains. *Journal of Microbiological Methods*, **2017**, 133, 82-86 | 2.8 | 16 |
| 190 | Sialic acid-mediated gene expression in Streptococcus pneumoniae and role of NanR as a transcriptional activator of the nan gene cluster. *Applied and Environmental Microbiology*, **2015**, 81, 3121-31 | 4.8 | 16 |
| 189 | UlaR activates expression of the ula operon in Streptococcus pneumoniae in the presence of ascorbic acid. *Microbiology (United Kingdom)*, **2015**, 161, 41-49 | 2.9 | 16 |
| 188 | Rgg-Shp regulators are important for pneumococcal colonization and invasion through their effect on mannose utilization and capsule synthesis. *Scientific Reports*, **2018**, 8, 6369 | 4.9 | 16 |
| 187 | The HtrA-like protease CD3284 modulates virulence of Clostridium difficile. *Infection and Immunity*, **2014**, 82, 4222-32 | 3.7 | 16 |
| 186 | Cellobiose-mediated gene expression in Streptococcus pneumoniae: a repressor function of the novel GntR-type regulator BguR. *PLoS ONE*, **2013**, 8, e57586 | 3.7 | 16 |
| 185 | Targeting diseases with genetically engineered Lactococcus lactis and its course towards medical translation. *Expert Opinion on Biological Therapy*, **2011**, 11, 261-7 | 5.4 | 16 |
| 184 | Reduced lysis upon growth of Lactococcus lactis on galactose is a consequence of decreased binding of the autolysin AcmA. *Applied and Environmental Microbiology*, **2008**, 74, 4671-9 | 4.8 | 16 |
| 183 | Influence of size and polarity of residue 31 in porcine pancreatic phospholipase A2 on catalytic properties. *Protein Engineering, Design and Selection*, **1990**, 3, 599-603 | 1.9 | 16 |
| 182 | Microdroplet screening and selection for improved microbial production of extracellular compounds. *Current Opinion in Biotechnology*, **2020**, 61, 72-81 | 11.4 | 16 |
| 181 | Microbial competition reduces metabolic interaction distances to the low μm-range. *ISME Journal*, **2021**, 15, 688-701 | 11.9 | 16 |
| 180 | High-Throughput Screening for Substrate Specificity-Adapted Mutants of the Nisin Dehydratase NisB. *ACS Synthetic Biology*, **2020**, 9, 1468-1478 | 5.7 | 15 |
| 179 | Mini PG10 as a Convenient and Effective Production Host for Lantibiotics. *ACS Synthetic Biology*, **2020**, 9, 1833-1842 | 5.7 | 15 |
| 178 | Co-expression of Nisin Z and Leucocin C as a Basis for Effective Protection Against in Pasteurized Milk. *Frontiers in Microbiology*, **2018**, 9, 547 | 5.7 | 15 |
| 177 | The α-Acetolactate Synthase ALS Confers Resistance to Nitrosative Stress. *Frontiers in Microbiology*, **2017**, 8, 1273 | 5.7 | 15 |
| 176 | SIMAGE: simulation of DNA-microarray gene expression data. *BMC Bioinformatics*, **2006**, 7, 205 | 3.6 | 15 |
| 175 | Outer-membrane-acting peptides and lipid II-targeting antibiotics cooperatively kill Gram-negative pathogens. *Communications Biology*, **2021**, 4, 31 | 6.7 | 15 |
| 174 | Cell surface engineering of Bacillus subtilis improves production yields of heterologously expressed α-amylases. *Microbial Cell Factories*, **2017**, 16, 56 | 6.4 | 14 |

| | | | |
|---|---|---|---|
| 173 | Characterization of plant growth-promoting rhizobacteria from perennial ryegrass and genome mining of novel antimicrobial gene clusters. *BMC Genomics*, **2020**, 21, 157 | 4.5 | 14 |
| 172 | Biofilm formation displays intrinsic offensive and defensive features of. *Npj Biofilms and Microbiomes*, **2020**, 6, 3 | 8.2 | 14 |
| 171 | Heterologous signal peptides-directing secretion of Streptomyces mobaraensis transglutaminase by Bacillus subtilis. *Applied Microbiology and Biotechnology*, **2018**, 102, 5533-5543 | 5.7 | 14 |
| 170 | Expression of prophage-encoded endolysins contributes to autolysis of Lactococcus lactis. *Applied Microbiology and Biotechnology*, **2017**, 101, 1099-1110 | 5.7 | 14 |
| 169 | Subcellular localization of TatAd of Bacillus subtilis depends on the presence of TatCd or TatCy. *Journal of Bacteriology*, **2009**, 191, 4410-8 | 3.5 | 14 |
| 168 | The Lcn972 bacteriocin-encoding plasmid pBL1 impairs cellobiose metabolism in Lactococcus lactis. *Applied and Environmental Microbiology*, **2011**, 77, 7576-85 | 4.8 | 14 |
| 167 | Genetics and Protein Engineering of Nisin **1994**, 223-249 | | 14 |
| 166 | A transposon present in specific strains of Bacillus subtilis negatively affects nutrient- and dodecylamine-induced spore germination. *Environmental Microbiology*, **2016**, 18, 4830-4846 | 5.2 | 14 |
| 165 | Bacillus subtilis biosensor engineered to assess meat spoilage. *ACS Synthetic Biology*, **2014**, 3, 999-1002 | 5.7 | 13 |
| 164 | Comparative transcriptional analysis of Bacillus subtilis cells overproducing either secreted proteins, lipoproteins or membrane proteins. *Microbial Cell Factories*, **2012**, 11, 66 | 6.4 | 13 |
| 163 | Lytr, a phage-derived amidase is most effective in induced lysis of Lactococcus lactis compared with other lactococcal amidases and glucosaminidases. *International Dairy Journal*, **2007**, 17, 926-936 | 3.5 | 13 |
| 162 | Lantibiotic Reductase LtnJ Substrate Selectivity Assessed with a Collection of Nisin Derivatives as Substrates. *Applied and Environmental Microbiology*, **2015**, 81, 3679-87 | 4.8 | 12 |
| 161 | BacHBerry: BACterial Hosts for production of Bioactive phenolics from bERRY fruits. *Phytochemistry Reviews*, **2018**, 17, 291-326 | 7.7 | 12 |
| 160 | Expanding the Genetic Code of and to Incorporate Non-canonical Amino Acids for Production of Modified Lantibiotics. *Frontiers in Microbiology*, **2018**, 9, 657 | 5.7 | 12 |
| 159 | In Bacillus subtilis LutR is part of the global complex regulatory network governing the adaptation to the transition from exponential growth to stationary phase. *Microbiology (United Kingdom)*, **2014** , 160, 243-260 | 2.9 | 12 |
| 158 | A Fast and Reliable Pipeline for Bacterial Transcriptome Analysis Case study: Serine-dependent Gene Regulation in Streptococcus pneumoniae. *Journal of Visualized Experiments*, **2015**, | 1.6 | 12 |
| 157 | Repeated triggering of sporulation in Bacillus subtilis selects against a protein that affects the timing of cell division. *ISME Journal*, **2014**, 8, 77-87 | 11.9 | 12 |
| 156 | Live-cell imaging tool optimization to study gene expression levels and dynamics in single cells of Bacillus cereus. *Applied and Environmental Microbiology*, **2013**, 79, 5643-51 | 4.8 | 12 |

| | | | |
|---|---|---|---|
| 155 | The presence of modifiable residues in the core peptide part of precursor nisin is not crucial for precursor nisin interactions with NisB- and NisC. *PLoS ONE*, **2013**, 8, e74890 | 3.7 | 12 |
| 154 | Functional analysis of the competence transcription factor ComK of Bacillus subtilis by characterization of truncation variants. *Microbiology (United Kingdom)*, **2006**, 152, 473-483 | 2.9 | 12 |
| 153 | Design and Expression of Specific Hybrid Lantibiotics Active Against Pathogenic spp. *Frontiers in Microbiology*, **2019**, 10, 2154 | 5.7 | 11 |
| 152 | Identification of essential amino acid residues in the nisin dehydratase NisB. *Frontiers in Microbiology*, **2015**, 6, 102 | 5.7 | 11 |
| 151 | Ascorbic acid-dependent gene expression in Streptococcus pneumoniae and the activator function of the transcriptional regulator UlaR2. *Frontiers in Microbiology*, **2015**, 6, 72 | 5.7 | 11 |
| 150 | Regulation of Cell Wall Plasticity by Nucleotide Metabolism in Lactococcus lactis. *Journal of Biological Chemistry*, **2016**, 291, 11323-36 | 5.4 | 11 |
| 149 | From Cell Death to Metabolism: Holin-Antiholin Homologues with New Functions. *MBio*, **2017**, 8, | 7.8 | 11 |
| 148 | CodY Regulates Thiol Peroxidase Expression as Part of the Pneumococcal Defense Mechanism against HO Stress. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 210 | 5.9 | 11 |
| 147 | Next-Generation Whole-Genome Sequencing of Eight Strains of Bacillus cereus, Isolated from Food. *Genome Announcements*, **2015**, 3, | | 11 |
| 146 | Comparative genomics and transcriptomics analysis of experimentally evolved Escherichia coli MC1000 in complex environments. *Environmental Microbiology*, **2014**, 16, 856-70 | 5.2 | 11 |
| 145 | The putative lactococcal extracytoplasmic function anti-sigma factor llmg2447 determines resistance to the cell wall-active bacteriocin lcn972. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 5520-7 | 5.9 | 11 |
| 144 | MINOMICS: visualizing prokaryote transcriptomics and proteomics data in a genomic context. *Bioinformatics*, **2009**, 25, 139-40 | 7.2 | 11 |
| 143 | A single, specific thymine mutation in the ComK-binding site severely decreases binding and transcription activation by the competence transcription factor ComK of Bacillus subtilis. *Journal of Bacteriology*, **2007**, 189, 4718-28 | 3.5 | 11 |
| 142 | Projector: automatic contig mapping for gap closure purposes. *Nucleic Acids Research*, **2003**, 31, e144 | 20.1 | 11 |
| 141 | Mimicry of a Non-ribosomally Produced Antimicrobial, Brevicidine, by Ribosomal Synthesis and Post-translational Modification. *Cell Chemical Biology*, **2020**, 27, 1262-1271.e4 | 8.2 | 11 |
| 140 | Single cell FRET analysis for the identification of optimal FRET-pairs in Bacillus subtilis using a prototype MEM-FLIM system. *PLoS ONE*, **2015**, 10, e0123239 | 3.7 | 10 |
| 139 | How mathematical modelling elucidates signalling in Bacillus subtilis. *Molecular Microbiology*, **2010**, 77, 1083-95 | 4.1 | 10 |
| 138 | Effects of altered TatC proteins on protein secretion efficiency via the twin-arginine translocation pathway of Bacillus subtilis. *Microbiology (United Kingdom)*, **2009**, 155, 1776-1785 | 2.9 | 10 |

| | | | |
|---|---|---|---|
| 137 | Characterization of the ROK-family transcriptional regulator RokA of Streptococcus pneumoniae D39. *Microbiology (United Kingdom)*, **2012**, 158, 2917-2926 | 2.9 | 10 |
| 136 | Changing a single amino acid in Clostridium perfringens beta-toxin affects the efficiency of heterologous secretion by Bacillus subtilis. *Applied and Environmental Microbiology*, **2007**, 73, 1586-93 | 4.8 | 10 |
| 135 | Adaption to glucose limitation is modulated by the pleotropic regulator CcpA, independent of selection pressure strength. *BMC Evolutionary Biology*, **2019**, 19, 15 | 3 | 10 |
| 134 | Fluorescently Labeled DNA Interacts with Competence and Recombination Proteins and Is Integrated and Expressed Following Natural Transformation of Bacillus subtilis. *MBio*, **2018**, 9, | 7.8 | 10 |
| 133 | Interplay Between Capsule Expression and Uracil Metabolism in D39. *Frontiers in Microbiology*, **2018** , 9, 321 | 5.7 | 9 |
| 132 | Niacin-mediated Gene Expression and Role of NiaR as a Transcriptional Repressor of , and in. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 70 | 5.9 | 9 |
| 131 | Co(2+)-dependent gene expression in Streptococcus pneumoniae: opposite effect of Mn(2+) and Co(2+) on the expression of the virulence genes psaBCA, pcpA, and prtA. *Frontiers in Microbiology*, **2015**, 6, 748 | 5.7 | 9 |
| 130 | Heterologous protein expression by Lactococcus lactis. *Methods in Molecular Biology*, **2012**, 824, 155-65 | 1.4 | 9 |
| 129 | Transcriptional responses of Bacillus cereus towards challenges with the polysaccharide chitosan. *PLoS ONE*, **2011**, 6, e24304 | 3.7 | 9 |
| 128 | Influence of global gene regulatory networks on single cell heterogeneity of green fluorescent protein production in Bacillus subtilis. *Microbial Cell Factories*, **2018**, 17, 134 | 6.4 | 9 |
| 127 | Antimicrobial activity screening of rhizosphere soil bacteria from tomato and genome-based analysis of their antimicrobial biosynthetic potential. *BMC Genomics*, **2021**, 22, 29 | 4.5 | 9 |
| 126 | TprA/PhrA Quorum Sensing System Has a Major Effect on Pneumococcal Survival in Respiratory Tract and Blood, and Its Activity Is Controlled by CcpA and GlnR. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 326 | 5.9 | 8 |
| 125 | A fluorescence-based bioassay for antibacterials and its application in screening natural product extracts. *Journal of Antibiotics*, **2015**, 68, 734-40 | 3.7 | 8 |
| 124 | Enhancement of amino acid production and secretion by using a droplet-based biosensing and selection system. *Metabolic Engineering Communications*, **2020**, 11, e00133 | 6.5 | 8 |
| 123 | A riboswitch gives rise to multi-generational phenotypic heterogeneity in an auxotrophic bacterium. *Nature Communications*, **2020**, 11, 1203 | 17.4 | 8 |
| 122 | Endoribonuclease YbeY Is Essential for RNA Processing and Virulence in Pseudomonas aeruginosa. *MBio*, **2020**, 11, | 7.8 | 8 |
| 121 | Recombinant pediocin in Lactococcus lactis: increased production by propeptide fusion and improved potency by co-production with PedC. *Microbial Biotechnology*, **2016**, 9, 466-77 | 6.3 | 8 |
| 120 | Ni2+-Dependent and PsaR-Mediated Regulation of the Virulence Genes pcpA, psaBCA, and prtA in Streptococcus pneumoniae. *PLoS ONE*, **2015**, 10, e0142839 | 3.7 | 8 |

| | | | |
|---|---|---|---|
| 119 | Draft Genome Sequences of Four Bacillus thermoamylovorans Strains Isolated from Milk and Acacia Gum, a Food Ingredient. *Genome Announcements*, **2015**, 3, | | 8 |
| 118 | A novel screening system for secretion of heterologous proteins in Bacillus subtilis. *Microbial Biotechnology*, **2011**, 4, 673-82 | 6.3 | 8 |
| 117 | Complete DNA sequence of Lactococcus lactis adds flavor to genomics. *Genome Research*, **2001**, 11, 673-4 | 9.7 | 8 |
| 116 | DNA-mircoarrays and food-biotechnology. *Antonie Van Leeuwenhoek*, **1999**, 76, 353-355 | 2.1 | 8 |
| 115 | Genome Sequences of 12 Spore-Forming Bacillus Species, Comprising Bacillus coagulans, Bacillus licheniformis, Bacillus amyloliquefaciens, Bacillus sporothermodurans, and Bacillus vallismortis, Isolated from Foods. *Genome Announcements*, **2016**, 4, | | 8 |
| 114 | Draft Genome Sequences of 10 Bacillus subtilis Strains That Form Spores with High or Low Heat Resistance. *Genome Announcements*, **2016**, 4, | | 8 |
| 113 | Rapid and Selective Chemical Editing of Ribosomally Synthesized and Post-Translationally Modified Peptides (RiPPs) via Cu -Catalyzed Borylation of Dehydroamino Acids. *Angewandte Chemie - International Edition*, **2021**, 60, 3946-3950 | 16.4 | 8 |
| 112 | Characterization of two relacidines belonging to a novel class of circular lipopeptides that act against Gram-negative bacterial pathogens. *Environmental Microbiology*, **2020**, 22, 5125-5136 | 5.2 | 7 |
| 111 | Draft Whole-Genome Sequences of 11 Bacillus cereus Food Isolates. *Genome Announcements*, **2016**, 4, | | 7 |
| 110 | Ampicillin-treated Lactococcus lactis MG1363 populations contain persisters as well as viable but non-culturable cells. *Scientific Reports*, **2019**, 9, 9867 | 4.9 | 7 |
| 109 | Modulation of Quorum Sensing in a Gram-Positive Pathogen by Linear Molecularly Imprinted Polymers with Anti-infective Properties. *Angewandte Chemie*, **2017**, 129, 16782-16785 | 3.6 | 7 |
| 108 | Complete Genome Sequence of Bacillus amyloliquefaciens Strain BH072, Isolated from Honey. *Genome Announcements*, **2015**, 3, | | 7 |
| 107 | Expression of transcription activator ComK of Bacillus subtilis in the heterologous host Lactococcus lactis leads to a genome-wide repression pattern: a case study of horizontal gene transfer. *Applied and Environmental Microbiology*, **2006**, 72, 404-11 | 4.8 | 7 |
| 106 | Enhanced production of pediocin PA-1 in wild nisin- and non-nisin-producing Lactococcus lactis strains of dairy origin. *International Dairy Journal*, **2007**, 17, 574-577 | 3.5 | 7 |
| 105 | Regulation of the carbohydrate metabolism in Lactococcus lactis and other lactic acid bacteria. *Dairy Science and Technology*, **1998**, 78, 69-76 | | 7 |
| 104 | Subcellular Localization and Assembly Process of the Nisin Biosynthesis Machinery in Lactococcus lactis. *MBio*, **2020**, 11, | 7.8 | 7 |
| 103 | A Specific Sugar Moiety in the Lactococcus lactis Cell Wall Pellicle Is Required for Infection by CHPC971, a Member of the Rare 1706 Phage Species. *Applied and Environmental Microbiology*, **2019**, 85, | 4.8 | 6 |
| 102 | Maltose-Dependent Transcriptional Regulation of the mal Regulon by MalR in Streptococcus pneumoniae. *PLoS ONE*, **2015**, 10, e0127579 | 3.7 | 6 |

| | | | |
|---|---|---|---|
| 101 | GalR Acts as a Transcriptional Activator of galKT in the Presence of Galactose in Streptococcus pneumoniae. *Journal of Molecular Microbiology and Biotechnology*, **2015**, 25, 363-71 | 0.9 | 6 |
| 100 | SpotXplore: a Cytoscape plugin for visual exploration of hotspot expression in gene regulatory networks. *Bioinformatics*, **2010**, 26, 2922-3 | 7.2 | 6 |
| 99 | Regulation of ykrL (htpX) by Rok and YkrK, a novel type of regulator in Bacillus subtilis. *Journal of Bacteriology*, **2012**, 194, 2837-45 | 3.5 | 6 |
| 98 | DISCLOSE : DISsection of CLusters Obtained by SEries of transcriptome data using functional annotations and putative transcription factor binding sites. *BMC Bioinformatics*, **2008**, 9, 535 | 3.6 | 6 |
| 97 | Functional analysis of the ComK protein of Bacillus coagulans. *PLoS ONE*, **2013**, 8, e53471 | 3.7 | 6 |
| 96 | Transcriptional Profile of Bacillus subtilis sigF-Mutant during Vegetative Growth. *PLoS ONE*, **2015**, 10, e0141553 | 3.7 | 6 |
| 95 | Impact of spatial proximity on territoriality among human skin bacteria. *Npj Biofilms and Microbiomes*, **2020**, 6, 30 | 8.2 | 6 |
| 94 | Heterologous Expression of Mersacidin in Elucidates the Mode of Leader Processing. *ACS Synthetic Biology*, **2021**, 10, 600-608 | 5.7 | 6 |
| 93 | Nisin- and Ripcin-Derived Hybrid Lanthipeptides Display Selective Antimicrobial Activity against. *ACS Synthetic Biology*, **2021**, 10, 1703-1714 | 5.7 | 6 |
| 92 | Draft Genome Sequences of Seven Thermophilic Spore-Forming Bacteria Isolated from Foods That Produce Highly Heat-Resistant Spores, Comprising Geobacillus spp., Caldibacillus debilis, and Anoxybacillus flavithermus. *Genome Announcements*, **2016**, 4, | | 6 |
| 91 | Antiviral activities and applications of ribosomally synthesized and post-translationally modified peptides (RiPPs). *Cellular and Molecular Life Sciences*, **2021**, 78, 3921-3940 | 10.3 | 6 |
| 90 | Disruption of a Transcriptional Repressor by an Insertion Sequence Element Integration Leads to Activation of a Novel Silent Cellobiose Transporter in Lactococcus lactis MG1363. *Applied and Environmental Microbiology*, **2017**, 83, | 4.8 | 5 |
| 89 | Analyses of competent and non-competent subpopulations of Bacillus subtilis reveal yhfW, yhxC and ncRNAs as novel players in competence. *Environmental Microbiology*, **2020**, 22, 2312-2328 | 5.2 | 5 |
| 88 | The Relationship among Tyrosine Decarboxylase and Agmatine Deiminase Pathways in. *Frontiers in Microbiology*, **2017**, 8, 2107 | 5.7 | 5 |
| 87 | Probing the regulatory effects of specific mutations in three major binding domains of the pleiotropic regulator CcpA of Bacillus subtilis. *Frontiers in Microbiology*, **2015**, 6, 1051 | 5.7 | 5 |
| 86 | Distinct roles of ComK1 and ComK2 in gene regulation in Bacillus cereus. *PLoS ONE*, **2011**, 6, e21859 | 3.7 | 5 |
| 85 | Gene position within a long transcript as a determinant for stochastic switching in bacteria. *Molecular Microbiology*, **2010**, 76, 269-72 | 4.1 | 5 |
| 84 | Prosecutor: parameter-free inference of gene function for prokaryotes using DNA microarray data, genomic context and multiple gene annotation sources. *BMC Genomics*, **2008**, 9, 495 | 4.5 | 5 |

| | | | |
|---|---|---|---|
| 83 | BrevicidineB, a New Member of the Brevicidine Family, Displays an Extended Target Specificity. *Frontiers in Microbiology*, **2021**, 12, 693117 | 5.7 | 5 |
| 82 | Methionine-mediated gene expression and characterization of the CmhR regulon in. *Microbial Genomics*, **2016**, 2, e000091 | 4.4 | 5 |
| 81 | N-acetylglucosamine-Mediated Expression of and in. *Frontiers in Cellular and Infection Microbiology*, **2016**, 6, 158 | 5.9 | 5 |
| 80 | SpoVT: From Fine-Tuning Regulator in to Essential Sporulation Protein in. *Frontiers in Microbiology*, **2016**, 7, 1607 | 5.7 | 5 |
| 79 | Posttranslational Peptide-Modification Enzymes in Action: Key Roles for Leaders and Glutamate. *Cell Chemical Biology*, **2016**, 23, 318-9 | 8.2 | 5 |
| 78 | Optimized fluorescent proteins for the rhizosphere-associated bacterium Bacillus mycoides with endophytic and biocontrol agent potential. *Environmental Microbiology Reports*, **2018**, 10, 57-74 | 3.7 | 5 |
| 77 | Semisynthetic Macrocyclic Lipo-lanthipeptides Display Antimicrobial Activity Against Bacterial Pathogens. *ACS Synthetic Biology*, **2021**, 10, 1980-1991 | 5.7 | 5 |
| 76 | Combinatorial biosynthesis for the generation of new-to-nature peptide antimicrobials. *Biochemical Society Transactions*, **2021**, 49, 203-215 | 5.1 | 5 |
| 75 | Lysis of a Lactococcus lactis Dipeptidase Mutant and Rescue by Mutation in the Pleiotropic Regulator CodY. *Applied and Environmental Microbiology*, **2020**, 86, | 4.8 | 4 |
| 74 | Feasability of Introducing a Thioether Ring in Vasopressin by Co-expression in. *Frontiers in Microbiology*, **2019**, 10, 1508 | 5.7 | 4 |
| 73 | The Regulation of the AdcR Regulon in Streptococcus pneumoniae Depends Both on Zn(2+)- and Ni(2+)-Availability. *Frontiers in Cellular and Infection Microbiology*, **2015**, 5, 91 | 5.9 | 4 |
| 72 | Fucose-Mediated Transcriptional Activation of the fcs Operon by FcsR in Streptococcus pneumoniae. *Journal of Molecular Microbiology and Biotechnology*, **2015**, 25, 120-8 | 0.9 | 4 |
| 71 | MOTIFATOR: detection and characterization of regulatory motifs using prokaryote transcriptome data. *Bioinformatics*, **2009**, 25, 550-1 | 7.2 | 4 |
| 70 | Synthesis and Characterization of Heterodimers and Fluorescent Nisin Species by Incorporation of Methionine Analogues and Subsequent Click Chemistry. *ACS Synthetic Biology*, **2020**, 9, 2525-2536 | 5.7 | 4 |
| 69 | Mechanism of Resistance Development in against TCAT, a Trimethoprim-Based Photoswitchable Antibiotic. *Pharmaceuticals*, **2021**, 14, | 5.2 | 4 |
| 68 | N-acetylgalatosamine-Mediated Regulation of the Operon by AgaR in. *Frontiers in Cellular and Infection Microbiology*, **2016**, 6, 101 | 5.9 | 4 |
| 67 | Cysteine-Mediated Gene Expression and Characterization of the CmbR Regulon in. *Frontiers in Microbiology*, **2016**, 7, 1929 | 5.7 | 4 |
| 66 | Draft Genome Sequence of Bacillus mycoides M2E15, a Strain Isolated from the Endosphere of Potato. *Genome Announcements*, **2016**, 4, | | 4 |

| | | | |
|---|---|---|---|
| 65 | Transcriptome profiling of TDC cluster deletion mutant of Enterococcus faecalis V583. *Genomics Data*, **2016**, 9, 67-9 | | 4 |
| 64 | YbeY controls the type III and type VI secretion systems and biofilm formation through RetS in. *Applied and Environmental Microbiology*, **2020**, | 4.8 | 4 |
| 63 | Draft Genome Sequences of 10 Paenibacillus and Bacillus sp. Strains Isolated from Healthy Tomato Plants and Rhizosphere Soil. *Microbiology Resource Announcements*, **2019**, 8, | 1.3 | 3 |
| 62 | Transcriptome analysis of Streptococcus pneumoniae D39 in the presence of cobalt. *Genomics Data* , **2015**, 6, 151-3 | | 3 |
| 61 | Transcriptome profiling of Lactococcus lactis subsp. cremoris CECT 8666 in response to agmatine. *Genomics Data*, **2016**, 7, 112-4 | | 3 |
| 60 | Plant-Microbe Interaction: Transcriptional Response of Bacillus Mycoides to Potato Root Exudates. *Journal of Visualized Experiments*, **2018**, | 1.6 | 3 |
| 59 | Further Elucidation of Galactose Utilization in MG1363. *Frontiers in Microbiology*, **2018**, 9, 1803 | 5.7 | 3 |
| 58 | Transcriptomic profile of aguR deletion mutant of Lactococcus lactis subsp. cremoris CECT 8666. *Genomics Data*, **2015**, 6, 228-30 | | 3 |
| 57 | Back to nature: a revival of natural strain improvement methodologies. *Microbial Biotechnology*, **2015**, 8, 17-8 | 6.3 | 3 |
| 56 | Phenotypic Variation and Bistable Switching in Bacteria **2008**, 339-365 | | 3 |
| 55 | Chapter 4 The role of cold-shock proteins in low-temperature adaptation. *Cell and Molecular Response To Stress*, **2001**, 2, 43-56 | | 3 |
| 54 | Transcriptome analysis and related databases of Lactococcus lactis **2002**, 113-122 | | 3 |
| 53 | Interactive Visualization of Gene Regulatory Networks with Associated Gene Expression Time Series Data. *Mathematics and Visualization*, **2008**, 293-311 | 0.6 | 3 |
| 52 | Dynamic sporulation gene co-expression networks for Bacillus subtilis 168 and the food-borne isolate Bacillus amyloliquefaciens: a transcriptomic model. *Microbial Genomics*, **2018**, 4, | 4.4 | 3 |
| 51 | Conjugation of Synthetic Polyproline Moietes to Lipid II Binding Fragments of Nisin Yields Active and Stable Antimicrobials. *Frontiers in Microbiology*, **2020**, 11, 575334 | 5.7 | 3 |
| 50 | Novel Modifications of Nonribosomal Peptides from Brevibacillus laterosporus MG64 and Investigation of Their Mode of Action. *Applied and Environmental Microbiology*, **2020**, 86, | 4.8 | 3 |
| 49 | Employing lytic phage-mediated horizontal gene transfer in Lactococcus lactis. *PLoS ONE*, **2020**, 15, e0238988 | 3.7 | 3 |
| 48 | Draft Genome Sequences of Two Geobacillus Species Strains, Isolated from Oil Wells and Surface Soil above Oil Pools. *Genome Announcements*, **2016**, 4, | | 3 |

| | | | |
|---|---|---|---|
| 47 | Phosphosugar Stress in Bacillus subtilis: Intracellular Accumulation of Mannose 6-Phosphate Derepressed the Operon from Repression by GlcR. *Journal of Bacteriology*, **2019**, 201, | 3.5 | 3 |
| 46 | Antimicrobial Peptides Produced by Selective Pressure Incorporation of Non-canonical Amino Acids. *Journal of Visualized Experiments*, **2018**, | 1.6 | 3 |
| 45 | Visualization and Analysis of the Dynamic Assembly of a Heterologous Lantibiotic Biosynthesis Complex in Bacillus subtilis. *MBio*, **2021**, 12, e0121921 | 7.8 | 3 |
| 44 | Elucidating the mechanism by which synthetic helper peptides sensitize Pseudomonas aeruginosa to multiple antibiotics. *PLoS Pathogens*, **2021**, 17, e1009909 | 7.6 | 3 |
| 43 | Synthesis of silver-nisin nanoparticles with low cytotoxicity as antimicrobials against biofilm-forming pathogens. *Colloids and Surfaces B: Biointerfaces*, **2021**, 206, 111965 | 6 | 3 |
| 42 | Development of Biosensors for Detection of Diacetyl. *Frontiers in Microbiology*, **2020**, 11, 1032 | 5.7 | 2 |
| 41 | NADH-Mediated Gene Expression in and Role of Rex as a Transcriptional Repressor of the Rex-Regulon. *Frontiers in Microbiology*, **2018**, 9, 1300 | 5.7 | 2 |
| 40 | A derepression system based on the Bacillus subtilis sporulation pathway offers dynamic control of heterologous gene expression. *Applied and Environmental Microbiology*, **2007**, 73, 2390-3 | 4.8 | 2 |
| 39 | Elucidation of the Primary Structure of the Lantibiotic Epilancin K7 from Staphylococcus epidermidis K7. Cloning and Characterisation of the Epilancin-K7-Encoding Gene and NMR Analysis of Mature Epilancin K7. *FEBS Journal*, **1995**, 230, 587-600 | | 2 |
| 38 | Characterization of Leader Processing Shows That Partially Processed Mersacidin Is Activated by AprE After Export. *Frontiers in Microbiology*, **2021**, 12, 765659 | 5.7 | 2 |
| 37 | Diversity of bet-hedging strategies in microbial communities-Recent cases and insights.. *WIREs Mechanisms of Disease*, **2022**, 14, e1544 | 0.3 | 2 |
| 36 | Unchaining mini Strain PG10: Relief of FlgM-Mediated Repression of Autolysin Genes. *Applied and Environmental Microbiology*, **2021**, 87, e0112321 | 4.8 | 2 |
| 35 | Functional Expression and Characterization of the Highly Promiscuous Lanthipeptide Synthetase SyncM, Enabling the Production of Lanthipeptides with a Broad Range of Ring Topologies. *ACS Synthetic Biology*, **2021**, 10, 2579-2591 | 5.7 | 2 |
| 34 | The Minimal Genome Compendium. *ACS Synthetic Biology*, **2021**, 10, 2767-2771 | 5.7 | 2 |
| 33 | Mutational Studies of the Mersacidin Leader Reveal the Function of Its Unique Two-Step Leader Processing Mechanism.. *ACS Synthetic Biology*, **2022**, 11, 1949-1957 | 5.7 | 2 |
| 32 | Draft Genome Sequences of Six Strains and One Strain Isolated from the Rhizosphere of Perennial Ryegrass (Lolium perenne). *Microbiology Resource Announcements*, **2019**, 8, | 1.3 | 1 |
| 31 | Purification of Peptide Antimicrobials and Thioether-Stabilized Molecules Produced In Vivo by Lantibiotic Modification Machineries. *Springer Protocols*, **2015**, 95-115 | 0.3 | 1 |
| 30 | Construction and characterization of a double mutant of Enterococcus faecalis that does not produce biogenic amines. *Scientific Reports*, **2019**, 9, 16881 | 4.9 | 1 |

| | | | |
|---|---|---|---|
| 29 | Draft Genome Sequences of Five Spore-Forming Food Isolates of Bacillus pumilus. *Genome Announcements*, **2015**, 3, | | 1 |
| 28 | 9th International Symposium on Lactic Acid Bacteria. *Applied and Environmental Microbiology*, **2008**, 74, 4589 | 4.8 | 1 |
| 27 | Draft Genome Sequences of Three Amino Acid-Secreting Lactococcus lactis Strains. *Microbiology Resource Announcements*, **2020**, 9, | 1.3 | 1 |
| 26 | Data resources and mining tools for reconstructing gene regulatory networks in Lactococcus lactis. *Japanese Journal of Lactic Acid Bacteria*, **2011**, 22, 3-14 | 0 | 1 |
| 25 | Isolation and Analysis of the Nisin Biosynthesis Complex NisBTC: further Insights into Their Cooperative Action. *MBio*, **2021**, 12, e0258521 | 7.8 | 1 |
| 24 | Induction of Natural Competence in Genetically-modified. *Bio-protocol*, **2018**, 8, e2922 | 0.9 | 1 |
| 23 | Complete Genome Sequences of 28 Lactococcal Bacteriophages Isolated from Failed Dairy Fermentation Processes. *Microbiology Resource Announcements*, **2020**, 9, | 1.3 | 1 |
| 22 | Glucose limitation inLactococcusshapes a single-peaked fitness landscape exposing membrane occupancy as a constraint | | 1 |
| 21 | Biofilm formation displays intrinsic offensive and defensive features of Bacillus cereus | | 1 |
| 20 | Development of Biosensors for Detection of Sulfur-Containing Amino Acids. *Frontiers in Microbiology*, **2020**, 11, 1654 | 5.7 | 1 |
| 19 | Brevibacillin 2V, a novel antimicrobial lipopeptide with an exceptional low hemolytic activity | | 1 |
| 18 | Brevibacillin 2V, a Novel Antimicrobial Lipopeptide With an Exceptionally Low Hemolytic Activity. *Frontiers in Microbiology*, **2021**, 12, 693725 | 5.7 | 1 |
| 17 | Draft Whole-Genome Sequences of Three Lactobacillus plantarum Food Isolates. *Genome Announcements*, **2016**, 4, | | 1 |
| 16 | Draft Genome Sequences of a Bacillus subtilis Strain, a Bacillus velezensis Strain, a Strain, and an Acinetobacter baumannii Strain, All Isolated from the Phyllosphere of Lactuca sativa or Solanum lycopersicum. *Microbiology Resource Announcements*, **2021**, 10, | 1.3 | 1 |
| 15 | The cathelicidin-derived close-to-nature peptide D-11 sensitises Klebsiella pneumoniae to a range of antibiotics in vitro, ex vivo and in vivo. *International Journal of Antimicrobial Agents*, **2021**, 58, 106434 | 14.3 | 1 |
| 14 | Glutamate Dehydrogenase (GdhA) of Streptococcus pneumoniae Is Required for High Temperature Adaptation. *Infection and Immunity*, **2021**, 89, e0040021 | 3.7 | 1 |
| 13 | Rapid and Selective Chemical Editing of Ribosomally Synthesized and Post-Translationally Modified Peptides (RiPPs) via CuII-Catalyzed □Borylation of Dehydroamino Acids. *Angewandte Chemie*, **2021**, 133, 3992-3996 | 3.6 | 0 |
| 12 | Role of microbiota and related metabolites in gastrointestinal tract barrier function in NAFLD. *Tissue Barriers*, **2021**, 9, 1879719 | 4.3 | 0 |

| | | | |
|---|---|---|---|
| 11 | BH5 Protects Tomato Plants Against by Production of Specific Antifungal Compounds. *Frontiers in Microbiology*, **2021**, 12, 707609 | 5.7 | 0 |
| 10 | The Rgg1518 transcriptional regulator is a necessary facet of sugar metabolism and virulence in Streptococcus pneumoniae. *Molecular Microbiology*, **2021**, 116, 996-1008 | 4.1 | 0 |
| 9 | Identification, Isolation, and Characterization of Medipeptins, Antimicrobial Peptides From EDOX. *Frontiers in Microbiology*, **2021**, 12, 732771 | 5.7 | 0 |
| 8 | Biocontrol properties from phyllospheric bacteria isolated from Solanum lycopersicum and Lactuca sativa and genome mining of antimicrobial gene clusters.. *BMC Genomics*, **2022**, 23, 152 | 4.5 | 0 |
| 7 | Genome Exploitation and Bioinformatics Tools **2011**, 75-80 | | |
| 6 | Analysis of cross-functionality within LanBTC synthetase complexes from different bacterial sources with respect to production of fully modified lanthipeptides. *Applied and Environmental Microbiology*, **2021**, AEM0161821 | 4.8 | |
| 5 | Regulation of Gene Expression in Lactococcus lactis **2003**, 121-142 | | |
| 4 | Regulation of Gene Expression in Lactococcus lactis **2003**, 121-142 | | |
| 3 | Responses of Lactic Acid Bacteria to Cell Envelope Stresses **2011**, 145-161 | | |
| 2 | Brevibacillin 2V Exerts Its Bactericidal Activity Binding to Lipid II and Permeabilizing Cellular Membranes. *Frontiers in Microbiology*, **2021**, 12, 694847 | 5.7 | |
| 1 | High-Resolution Chrono-Transcriptome of Lactococcus lactis Reveals That It Expresses Proteins with Adapted Size and pI upon Acidification and Nutrient Starvation.. *Applied and Environmental Microbiology*, **2022**, e0247621 | 4.8 | |