

# Douwe Van Sinderen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

484  
papers

29,664  
citations

85  
h-index

151  
g-index

509  
ext. papers

35,650  
ext. citations

5.5  
avg, IF

7.18  
L-index

#	Paper	IF	Citations
484	Needle in a Whey-Stack: PhRACS as a Discovery Tool for Unknown Phage-Host Combinations.. <i>MBio</i> , <b>2022</b> , e0333421	7.8	0
483	Diet and mental health in pregnancy: Nutrients of importance based on large observational cohort data.. <i>Nutrition</i> , <b>2022</b> , 96, 111582	4.8	0
482	A Proposed Framework to Identify Dispensable and Essential Functions in Bifidobacteria: Case Study of Bifidobacterium breve UCC2003 as a Prototype of Its Genus. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2377, 273-302	1.4	
481	Natural Transformation in Gram-Positive Bacteria and Its Biotechnological Relevance to Lactic Acid Bacteria.. <i>Annual Review of Food Science and Technology</i> , <b>2022</b> , 13, 409-431	14.7	0
480	Disclosing the Genomic Diversity among Members of the Genus of Canine and Feline Origin with Respect to Those from Human.. <i>Applied and Environmental Microbiology</i> , <b>2022</b> , e0203821	4.8	0
479	Evaluation of Modulatory Activities of Lactobacillus crispatus Strains in the Context of the Vaginal Microbiota.. <i>Microbiology Spectrum</i> , <b>2022</b> , e0273321	8.9	0
478	Human milk oligosaccharide-sharing by a consortium of infant derived Bifidobacterium species.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4143	4.9	4
477	Mapping bacterial diversity and metabolic functionality of the human respiratory tract microbiome.. <i>Journal of Oral Microbiology</i> , <b>2022</b> , 14, 2051336	6.3	2
476	The Probiotic Identity Card: A Novel "Probiogenomics" Approach to Investigate Probiotic Supplements.. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 790881	5.7	1
475	Brussowvirus SW13 requires a cell surface-associated polysaccharide to recognise its host. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , AEM0172321	4.8	2
474	Novel Siphoviridae phage PMBT4 belonging to the group b Lactobacillus delbrueckii subsp. bulgaricus phages. <i>Virus Research</i> , <b>2021</b> , 308, 198635	6.4	2
473	Simultaneous Production of Multiple Antimicrobial Compounds by ML122-2 Isolated From Assam Tea Leaf [ var. (J.W.Mast.) Kitam.].. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 789362	5.7	0
472	Plant Glycan Metabolism by Bifidobacteria. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 609418	5.7	10
471	Bifidobacterial $\beta$ -Galactosidase-Mediated Production of Galacto-Oligosaccharides: Structural and Preliminary Functional Assessments. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 750635	5.7	
470	Analysis of Selection Methods to Develop Novel Phage Therapy Cocktails Against Antimicrobial Resistant Clinical Isolates of Bacteria. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 613529	5.7	14
469	Amoxicillin-Clavulanic Acid Resistance in the Genus. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , 87,	4.8	3
468	Comparative genome analyses of isolated from different ecological niches reveal an environmental adaptation of this species to the human vaginal environment. <i>Applied and Environmental Microbiology</i> , <b>2021</b> ,	4.8	4

467	Genetic Dissection of a Prevalent Plasmid-Encoded Conjugation System in. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 680920	5.7	3
466	Genetic insights into the dark matter of the mammalian gut microbiota through targeted genome reconstruction. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 3294-3305	5.2	2
465	Molecular analysis of the replication functions of the bifidobacterial conjugative megaplasmid pMP7017. <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 1494-1511	6.3	
464	Infant-Associated Bifidobacterial $\beta$ -Galactosidases and Their Ability to Synthesize Galacto-Oligosaccharides. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 662959	5.7	3
463	A comprehensive review on the impact of $\beta$ -glucan metabolism by <i>Bacteroides</i> and <i>Bifidobacterium</i> species as members of the gut microbiota. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 877-889	7.9	5
462	METAnnotatorX2: a Comprehensive Tool for Deep and Shallow Metagenomic Data Set Analyses. <i>MSystems</i> , <b>2021</b> , e0058321	7.6	7
461	Exopolysaccharide Blocks Dendritic Cell Maturation and Activation of CD4 T Cells. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 653587	5.7	1
460	Envisioning emerging frontiers on human gut microbiota and its applications. <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 12-17	6.3	1
459	Measuring Conjugated Linoleic Acid (CLA) Production by Bifidobacteria. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 87-100	1.4	0
458	Phageome Analysis of Bifidobacteria-Rich Samples. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 71-85	1.4	
457	The genus bifidobacterium: From genomics to functionality of an important component of the mammalian gut microbiota running title: Bifidobacterial adaptation to and interaction with the host. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 1472-1487	6.8	7
456	A Resource for Cloning and Expression Vectors Designed for Bifidobacteria: Overview of Available Tools and Biotechnological Applications. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 157-182	1.4	
455	Protocol to Select Bifidobacteria from Fecal and Environmental Samples. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 61-70	1.4	1
454	Isolation of Chromosomal and Plasmid DNA from Bifidobacteria. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 21-29	1.4	0
453	Determination of Bifidobacterial Carbohydrate Utilization Abilities and Associated Metabolic End Products. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 117-129	1.4	
452	Bifidobacterium Genome Assembly and Methylome Analysis Using Pacbio SMRT Sequencing. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 225-232	1.4	
451	Bifidobacterium Transformation. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 13-19	1.4	
450	Viral Genomics and Evolution: The Fascinating Story of Dairy Phages <b>2021</b> , 171-187		0

449	Vaginotypes of the human vaginal microbiome. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 1780-1792	5.2	9
448	Broad Purpose Vector for Site-Directed Insertional Mutagenesis in. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 636822	5.7	1
447	Lactic Acid Bacteria Diversity and Characterization of Probiotic Candidates in Fermented Meats. <i>Foods</i> , <b>2021</b> , 10,	4.9	4
446	Shaping the Future of Probiotics and Prebiotics. <i>Trends in Microbiology</i> , <b>2021</b> , 29, 667-685	12.4	90
445	Galacto-oligosaccharides as infant prebiotics: production, application, bioactive activities and future perspectives. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-14	11.5	9
444	Creating an atlas to visualize the biodiversity of the mammalian gut microbiota. <i>Current Opinion in Biotechnology</i> , <b>2021</b> , 73, 28-33	11.4	1
443	Virome studies of food production systems: time for farm to fork analyses. <i>Current Opinion in Biotechnology</i> , <b>2021</b> , 73, 22-27	11.4	1
442	The human gut microbiota during the initial stages of life: insights from bifidobacteria. <i>Current Opinion in Biotechnology</i> , <b>2021</b> , 73, 81-87	11.4	4
441	Cell wall polysaccharides of Gram positive ovococcoid bacteria and their role as bacteriophage receptors. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 4018-4031	6.8	0
440	Site-Directed Mutagenesis of Bifidobacterium Strains. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 45-60	1.4	0
439	Evaluation of methods for the reduction of contaminating host reads when performing shotgun metagenomic sequencing of the milk microbiome. <i>Scientific Reports</i> , <b>2020</b> , 10, 21665	4.9	6
438	Lysogenization of a Lactococcal Host with Three Distinct Temperate Phages Provides Homologous and Heterologous Phage Resistance. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	4
437	Can a probiotic supplement in pregnancy result in transfer to the neonatal gut: A systematic review. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2020</b> , 99, 1269-1277	3.8	3
436	Biochemical analysis of cross-feeding behaviour between two common gut commensals when cultivated on plant-derived arabinogalactan. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 1733-1747	6.3	13
435	Evolutionary development and co-phylogeny of primate-associated bifidobacteria. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 3375-3393	5.2	7
434	Revisiting the host adhesion determinants of <i>Streptococcus thermophilus</i> siphophages. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 1765-1779	6.3	9
433	Beer spoilage and low pH tolerance is linked to manganese homeostasis in selected <i>Lactobacillus brevis</i> strains. <i>Journal of Applied Microbiology</i> , <b>2020</b> , 129, 1309-1320	4.7	7
432	Maternal and infant factors that shape neonatal gut colonization by bacteria. <i>Expert Review of Gastroenterology and Hepatology</i> , <b>2020</b> , 14, 651-664	4.2	4

431	The CWPS Rubik® cube: Linking diversity of cell wall polysaccharide structures with the encoded biosynthetic machinery of selected <i>Lactococcus lactis</i> strains. <i>Molecular Microbiology</i> , <b>2020</b> , 114, 582-596	4.1	4
430	From lab bench to formulated ingredient: Characterization, production, and commercialization of human milk oligosaccharides. <i>Journal of Functional Foods</i> , <b>2020</b> , 72, 104052	5.1	24
429	Investigating bifidobacteria and human milk oligosaccharide composition of lactating mothers. <i>FEMS Microbiology Ecology</i> , <b>2020</b> , 96,	4.3	16
428	Three distinct glycosylation pathways are involved in the decoration of cell wall glycopolymers. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 5519-5532	5.4	6
427	Human milk oligosaccharides: Shaping the infant gut microbiota and supporting health. <i>Journal of Functional Foods</i> , <b>2020</b> , 72, 104074	5.1	71
426	<i>Bifidobacterium breve</i> UCC2003 Induces a Distinct Global Transcriptomic Program in Neonatal Murine Intestinal Epithelial Cells. <i>iScience</i> , <b>2020</b> , 23, 101336	6.1	6
425	A cell wall-associated polysaccharide is required for bacteriophage adsorption to the <i>Streptococcus thermophilus</i> cell surface. <i>Molecular Microbiology</i> , <b>2020</b> , 114, 31-45	4.1	8
424	A Plasmid-Encoded Putative Glycosyltransferase Is Involved in Hop Tolerance and Beer Spoilage in <i>Lactobacillus brevis</i> . <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	7
423	The infant gut microbiome as a microbial organ influencing host well-being. <i>Italian Journal of Pediatrics</i> , <b>2020</b> , 46, 16	3.2	49
422	Ecological Importance of Cross-Feeding of the Intermediate Metabolite 1,2-Propanediol between Bacterial Gut Symbionts. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	17
421	Deciphering the Bifidobacterial Populations within the Canine and Feline Gut Microbiota. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	19
420	The Impact of Primer Design on Amplicon-Based Metagenomic Profiling Accuracy: Detailed Insights into Bifidobacterial Community Structure. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	19
419	Exploring the Ecology of Bifidobacteria and Their Genetic Adaptation to the Mammalian Gut. <i>Microorganisms</i> , <b>2020</b> , 9,	4.9	8
418	Metabolism of biosynthetic oligosaccharides by human-derived <i>Bifidobacterium breve</i> UCC2003 and <i>Bifidobacterium longum</i> NCIMB 8809. <i>International Journal of Food Microbiology</i> , <b>2020</b> , 316, 108476	5.8	11
417	The impact of probiotic supplementation on metabolic health in healthy women of reproductive age: a systematic review. <i>Food and Function</i> , <b>2020</b> , 11, 10279-10289	6.1	0
416	Riboflavin Biosynthesis and Overproduction by a Derivative of the Human Gut Commensal subsp. ATCC 15697. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 573335	5.7	6
415	Bifidobacterial biofilm formation is a multifactorial adaptive phenomenon in response to bile exposure. <i>Scientific Reports</i> , <b>2020</b> , 10, 11598	4.9	14
414	Untangling Species-Level Composition of Complex Bacterial Communities through a Novel Metagenomic Approach. <i>MSystems</i> , <b>2020</b> , 5,	7.6	3

413	Multi-population cohort meta-analysis of human intestinal microbiota in early life reveals the existence of infant community state types (ICSTs). <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 2480-2493	6.8	10
412	The Infant-Derived Strain CNCM I-4319 Strengthens Gut Functionality. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	2
411	Microbiota and Cancer: The Emerging Beneficial Role of Bifidobacteria in Cancer Immunotherapy. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 575072	5.7	14
410	Multi-omics Approaches To Decipher the Impact of Diet and Host Physiology on the Mammalian Gut Microbiome. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	8
409	Catching a glimpse of the bacterial gut community of companion animals: a canine and feline perspective. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 1708-1732	6.3	12
408	Ecology of Lactobacilli Present in Italian Cheeses Produced from Raw Milk. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	3
407	UCC2003 Exopolysaccharide Modulates the Early Life Microbiota by Acting as a Potential Dietary Substrate. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	8
406	Bifidobacterial Transfer from Mother to Child as Examined by an Animal Model. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	7
405	A Quest of Great Importance-Developing a Broad Spectrum Phage Collection. <i>Viruses</i> , <b>2019</b> , 11,	6.2	6
404	Metagenomic dissection of the canine gut microbiota: insights into taxonomic, metabolic and nutritional features. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 1331-1343	5.2	36
403	Compositional assessment of bacterial communities in probiotic supplements by means of metagenomic techniques. <i>International Journal of Food Microbiology</i> , <b>2019</b> , 294, 1-9	5.8	17
402	Dissecting the Evolutionary Development of the Species through Comparative Genomics Analyses. <i>Applied and Environmental Microbiology</i> , <b>2019</b> , 85,	4.8	7
401	Implementation of Transposon Mutagenesis in Bifidobacterium. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2016, 51-62	1.4	1
400	Bifidobacterium bifidum and the infant gut microbiota: an intriguing case of microbe-host co-evolution. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 3683-3695	5.2	35
399	Comparative genome analysis of the Lactobacillus brevis species. <i>BMC Genomics</i> , <b>2019</b> , 20, 416	4.5	16
398	Isolation of novel gut bifidobacteria using a combination of metagenomic and cultivation approaches. <i>Genome Biology</i> , <b>2019</b> , 20, 96	18.3	29
397	Isolation and Characterization of Phages. <i>Viruses</i> , <b>2019</b> , 11,	6.2	7
396	The Pan-Plasmidome. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 707	5.7	11

395	Colonization of the human gut by bovine bacteria present in Parmesan cheese. <i>Nature Communications</i> , <b>2019</b> , 10, 1286	17.4	26
394	Impact of a bathing tradition on shared gut microbe among Japanese families. <i>Scientific Reports</i> , <b>2019</b> , 9, 4380	4.9	10
393	Ability of bifidobacteria to metabolize chitin-glucan and its impact on the gut microbiota. <i>Scientific Reports</i> , <b>2019</b> , 9, 5755	4.9	16
392	Unveiling Genomic Diversity among Members of the Species , a Widely Distributed Gut Commensal of the Animal Kingdom. <i>Applied and Environmental Microbiology</i> , <b>2019</b> , 85,	4.8	23
391	The impact of human-facilitated selection on the gut microbiota of domesticated mammals. <i>FEMS Microbiology Ecology</i> , <b>2019</b> , 95,	4.3	18
390	Characterization of GH2 and GH42 $\beta$ -galactosidases derived from bifidobacterial infant isolates. <i>AMB Express</i> , <b>2019</b> , 9, 9	4.1	13
389	Ubiquitous Carbohydrate Binding Modules Decorate 936 Lactococcal Siphophage Virions. <i>Viruses</i> , <b>2019</b> , 11,	6.2	12
388	A microbiome reality check: limitations of in silico-based metagenomic approaches to study complex bacterial communities. <i>Environmental Microbiology Reports</i> , <b>2019</b> , 11, 840-847	3.7	5
387	A dual-chain assembly pathway generates the high structural diversity of cell-wall polysaccharides in. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 17612-17625	5.4	12
386	Uncovering Bifidobacteria via Targeted Sequencing of the Mammalian Gut Microbiota. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	4
385	Biodiversity and Classification of Phages Infecting. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2396	5.7	4
384	Bifidobacterial Dialogue With Its Human Host and Consequent Modulation of the Immune System. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2348	8.4	36
383	Metabolism of the predominant human milk oligosaccharide fucosyllactose by an infant gut commensal. <i>Scientific Reports</i> , <b>2019</b> , 9, 15427	4.9	39
382	Bifidobacteria <b>2019</b> , 125-137		
381	Characterization of the phylogenetic diversity of five novel species belonging to the genus Bifidobacterium: Bifidobacterium castoris sp. nov., Bifidobacterium callimiconis sp. nov., Bifidobacterium goeldii sp. nov., Bifidobacterium samirii sp. nov. and Bifidobacterium dolichotidis sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2019</b> , 69, 1288-1298	2.2	23
380	: A Key Member of the Early Human Gut Microbiota. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	35
379	Bifidobacterial Distribution Across Italian Cheeses Produced from Raw Milk. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	4
378	Mobilome and Resistome Reconstruction from Genomes Belonging to Members of the Genus. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	14

377	Transcriptional control of central carbon metabolic flux in Bifidobacteria by two functionally similar, yet distinct LacI-type regulators. <i>Scientific Reports</i> , <b>2019</b> , 9, 17851	4.9	7
376	Health benefits conferred by the human gut microbiota during infancy. <i>Microbial Biotechnology</i> , <b>2019</b> , 12, 243-248	6.3	4
375	Complete Genome Sequence of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> 3107, Host for the Model Lactococcal P335 Bacteriophage TP901-1. <i>Microbiology Resource Announcements</i> , <b>2019</b> , 8,	1.3	2
374	A Bifidobacterial pilus-associated protein promotes colonic epithelial proliferation. <i>Molecular Microbiology</i> , <b>2019</b> , 111, 287-301	4.1	36
373	Assessing the functionality and genetic diversity of lactococcal prophages. <i>International Journal of Food Microbiology</i> , <b>2018</b> , 272, 29-40	5.8	17
372	<i>Bifidobacterium breve</i> UCC2003 Employs Multiple Transcriptional Regulators To Control Metabolism of Particular Human Milk Oligosaccharides. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	16
371	Determination of the cell wall polysaccharide and teichoic acid structures from <i>Lactococcus lactis</i> IL1403. <i>Carbohydrate Research</i> , <b>2018</b> , 462, 39-44	2.9	11
370	Phylogenetic classification of six novel species belonging to the genus <i>Bifidobacterium</i> comprising <i>Bifidobacterium anseris</i> sp. nov., <i>Bifidobacterium criceti</i> sp. nov., <i>Bifidobacterium imperatoris</i> sp. nov., <i>Bifidobacterium italicum</i> sp. nov., <i>Bifidobacterium margollesii</i> sp. nov. and <i>Bifidobacterium parvae</i> sp. nov. <i>Systematic and Applied Microbiology</i> , <b>2018</b> , 41, 173-183	4.2	28
369	Impact of gut-associated bifidobacteria and their phages on health: two sides of the same coin?. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 2091-2099	5.7	11
368	Carbohydrate Metabolism in Bifidobacteria <b>2018</b> , 145-164		7
367	Bifidobacteria: Ecology and Coevolution With the Host <b>2018</b> , 213-220		3
366	Genomic diversity and distribution of <i>Bifidobacterium longum</i> subsp. <i>longum</i> across the human lifespan. <i>Scientific Reports</i> , <b>2018</b> , 8, 85	4.9	63
365	Comparative genome and methylome analysis reveals restriction/modification system diversity in the gut commensal <i>Bifidobacterium breve</i> . <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 1860-1877	20.1	27
364	Phylotype-Level Profiling of Lactobacilli in Highly Complex Environments by Means of an Internal Transcribed Spacer-Based Metagenomic Approach. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	12
363	Extraction of the same novel homoglycan mixture from two different strains of <i>Bifidobacterium animalis</i> and three strains of <i>Bifidobacterium breve</i> . <i>Beneficial Microbes</i> , <b>2018</b> , 9, 663-674	4.9	2
362	Structural studies of the cell wall polysaccharide from <i>Lactococcus lactis</i> UC509.9. <i>Carbohydrate Research</i> , <b>2018</b> , 461, 25-31	2.9	10
361	A Decade of <i>Streptococcus thermophilus</i> Phage Evolution in an Irish Dairy Plant. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	19
360	Glycan Utilization and Cross-Feeding Activities by Bifidobacteria. <i>Trends in Microbiology</i> , <b>2018</b> , 26, 339-350.4		107



359	Plantaricyclin A, a Novel Circular Bacteriocin Produced by <i>Lactobacillus plantarum</i> NI326: Purification, Characterization, and Heterologous Production. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	42
358	Bifidobacteria and the infant gut: an example of co-evolution and natural selection. <i>Cellular and Molecular Life Sciences</i> , <b>2018</b> , 75, 103-118	10.3	81
357	Selected aspects of the human gut microbiota. <i>Cellular and Molecular Life Sciences</i> , <b>2018</b> , 75, 81-82	10.3	13
356	Comparative Genomics Reveals the Regulatory Complexity of Bifidobacterial Arabinose and Arabino-Oligosaccharide Utilization. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 776	5.7	23
355	Comparative genomics and genotype-phenotype associations in <i>Bifidobacterium breve</i> . <i>Scientific Reports</i> , <b>2018</b> , 8, 10633	4.9	27
354	Carbohydrate Syntrophy enhances the establishment of <i>Bifidobacterium breve</i> UCC2003 in the neonatal gut. <i>Scientific Reports</i> , <b>2018</b> , 8, 10627	4.9	11
353	In Vitro Characteristics of Phages to Guide Real Life Phage Therapy Suitability. <i>Viruses</i> , <b>2018</b> , 10,	6.2	45
352	Gene-trait matching across the <i>Bifidobacterium longum</i> pan-genome reveals considerable diversity in carbohydrate catabolism among human infant strains. <i>BMC Genomics</i> , <b>2018</b> , 19, 33	4.5	47
351	Characterization and induction of prophages in human gut-associated <i>Bifidobacterium</i> hosts. <i>Scientific Reports</i> , <b>2018</b> , 8, 12772	4.9	17
350	Tracing mother-infant transmission of bacteriophages by means of a novel analytical tool for shotgun metagenomic datasets: METAnnotatorX. <i>Microbiome</i> , <b>2018</b> , 6, 145	16.6	36
349	Exopolysaccharide from <i>Bifidobacterium longum</i> subsp. <i>longum</i> 35624 modulates murine allergic airway responses. <i>Beneficial Microbes</i> , <b>2018</b> , 9, 761-773	4.9	20
348	Reconstruction of the Bifidobacterial Pan-Secretome Reveals the Network of Extracellular Interactions between Bifidobacteria and the Infant Gut. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	9
347	Generation of Bacteriophage-Insensitive Mutants of <i>Streptococcus thermophilus</i> via an Antisense RNA CRISPR-Cas Silencing Approach. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	16
346	Tracking the Taxonomy of the Genus <i>Bifidobacterium</i> Based on a Phylogenomic Approach. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	38
345	Biodiversity of bacteriophages infecting <i>Lactococcus lactis</i> starter cultures. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 96-105	4	19
344	Identification of DNA Base Modifications by Means of Pacific Biosciences RS Sequencing Technology. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1681, 127-137	1.4	6
343	Characterisation of a Hydroxycinnamic Acid Esterase From the subsp. Taxon. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2690	5.7	10
342	Identification of Dual Receptor Binding Protein Systems in Lactococcal 936 Group Phages. <i>Viruses</i> , <b>2018</b> , 10,	6.2	9

341	Staying alive: growth and survival of <i>Bifidobacterium animalis</i> subsp. <i>animalis</i> under in vitro and in vivo conditions. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 10645-10663	5.7	3
340	Biodiversity of Phages in Global Dairy Fermentations. <i>Viruses</i> , <b>2018</b> , 10,	6.2	18
339	<i>Bifidobacterium bifidum</i> PRL2010 alleviates intestinal ischemia/reperfusion injury. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202670	3.7	6
338	Mucosal microbiota of intestinal polyps reveals putative biomarkers of colorectal cancer. <i>Scientific Reports</i> , <b>2018</b> , 8, 13974	4.9	65
337	Functional carbohydrate binding modules identified in evolved dits from siphophages infecting various Gram-positive bacteria. <i>Molecular Microbiology</i> , <b>2018</b> , 110, 777-795	4.1	23
336	Meta-analysis of the human gut microbiome from urbanized and pre-agricultural populations. <i>Environmental Microbiology</i> , <b>2017</b> , 19, 1379-1390	5.2	83
335	Ancient bacteria of the EziQ microbiome: a genomic tale from the Copper Age. <i>Microbiome</i> , <b>2017</b> , 5, 5	16.6	31
334	<i>Bifidobacterium breve</i> reduces apoptotic epithelial cell shedding in an exopolysaccharide and MyD88-dependent manner. <i>Open Biology</i> , <b>2017</b> , 7,	7	43
333	Next generation sequencing-based multigene panel for high throughput detection of food-borne pathogens. <i>International Journal of Food Microbiology</i> , <b>2017</b> , 256, 20-29	5.8	16
332	Bacteriophages Infecting Lactic Acid Bacteria <b>2017</b> , 249-272		2
331	Comparative and functional genomics of the <i>Lactococcus lactis</i> taxon; insights into evolution and niche adaptation. <i>BMC Genomics</i> , <b>2017</b> , 18, 267	4.5	56
330	Genome Sequence of Phage BF. <i>Genome Announcements</i> , <b>2017</b> , 5,		9
329	Sourdough authentication: quantitative PCR to detect the lactic acid bacterial microbiota in breads. <i>Scientific Reports</i> , <b>2017</b> , 7, 624	4.9	17
328	Untangling the cecal microbiota of feral chickens by culturomic and metagenomic analyses. <i>Environmental Microbiology</i> , <b>2017</b> , 19, 4771-4783	5.2	33
327	Stimulation of reverse transcriptase generated cDNAs with specific indels by template RNA structure: retrotransposon, dNTP balance, RT-reagent usage. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 10143-10155	20.1	5
326	Specific reverse transcriptase slippage at the HIV ribosomal frameshift sequence: potential implications for modulation of GagPol synthesis. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 10156-10167	20.1	7
325	Unveiling bifidobacterial biogeography across the mammalian branch of the tree of life. <i>ISME Journal</i> , <b>2017</b> , 11, 2834-2847	11.9	66
324	Unveiling the gut microbiota composition and functionality associated with constipation through metagenomic analyses. <i>Scientific Reports</i> , <b>2017</b> , 7, 9879	4.9	67

323	Another Brick in the Wall: a Rhamnan Polysaccharide Trapped inside Peptidoglycan of. <i>MBio</i> , <b>2017</b> , 8,	7.8	27
322	Metagenomic Analysis of Dairy Bacteriophages: Extraction Method and Pilot Study on Whey Samples Derived from Using Undefined and Defined Mesophilic Starter Cultures. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	13
321	The Sortase-Dependent Fimbriome of the Genus Bifidobacterium: Extracellular Structures with Potential To Modulate Microbe-Host Dialogue. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	19
320	The essential genomic landscape of the commensal Bifidobacterium breve UCC2003. <i>Scientific Reports</i> , <b>2017</b> , 7, 5648	4.9	16
319	Omics of bifidobacteria: research and insights into their health-promoting activities. <i>Biochemical Journal</i> , <b>2017</b> , 474, 4137-4152	3.8	63
318	The First Microbial Colonizers of the Human Gut: Composition, Activities, and Health Implications of the Infant Gut Microbiota. <i>Microbiology and Molecular Biology Reviews</i> , <b>2017</b> , 81,	13.2	626
317	Obesity and microbiota: an example of an intricate relationship. <i>Genes and Nutrition</i> , <b>2017</b> , 12, 18	4.3	61
316	Maternal inheritance of bifidobacterial communities and bifidophages in infants through vertical transmission. <i>Microbiome</i> , <b>2017</b> , 5, 66	16.6	163
315	Genetic and functional characterisation of the lactococcal P335 phage-host interactions. <i>BMC Genomics</i> , <b>2017</b> , 18, 146	4.5	21
314	Host recognition by lactic acid bacterial phages. <i>FEMS Microbiology Reviews</i> , <b>2017</b> , 41, S16-S26	15.1	24
313	Feeding the microbiota: transducer of nutrient signals for the host. <i>Gut</i> , <b>2017</b> , 66, 1709-1717	19.2	102
312	Prevalence of Antibiotic Resistance Genes among Human Gut-Derived Bifidobacteria. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	56
311	Identification of universal gut microbial biomarkers of common human intestinal diseases by meta-analysis. <i>FEMS Microbiology Ecology</i> , <b>2017</b> , 93,	4.3	99
310	Global transcriptional landscape and promoter mapping of the gut commensal Bifidobacterium breve UCC2003. <i>BMC Genomics</i> , <b>2017</b> , 18, 991	4.5	16
309	Comparative genomic and phylogenomic analyses of the Bifidobacteriaceae family. <i>BMC Genomics</i> , <b>2017</b> , 18, 568	4.5	62
308	Phage Biodiversity in Artisanal Cheese Wheys Reflects the Complexity of the Fermentation Process. <i>Viruses</i> , <b>2017</b> , 9,	6.2	16
307	Metagenomic Approaches to Assess Bacteriophages in Various Environmental Niches. <i>Viruses</i> , <b>2017</b> , 9,	6.2	62
306	Biocidal Inactivation of Bacteriophages: Efficacy and Targets of Commonly Used Sanitizers. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 107	5.7	15

305	Genome-Wide Search for Genes Required for Bifidobacterial Growth under Iron-Limitation. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 964	5.7	11
304	Detecting Prophages by Mitomycin C-Mediated Induction Coupled to Flow Cytometry Analysis. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1343	5.7	17
303	How to Feed the Mammalian Gut Microbiota: Bacterial and Metabolic Modulation by Dietary Fibers. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1749	5.7	54
302	Global Survey and Genome Exploration of Bacteriophages Infecting the Lactic Acid Bacterium. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1754	5.7	20
301	Genome Sequences of Eight Prophages Isolated from <i>Lactococcus lactis</i> Dairy Strains. <i>Genome Announcements</i> , <b>2016</b> , 4,		2
300	Gut microbiota composition and <i>Clostridium difficile</i> infection in hospitalized elderly individuals: a metagenomic study. <i>Scientific Reports</i> , <b>2016</b> , 6, 25945	4.9	132
299	Stress Physiology of Lactic Acid Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , <b>2016</b> , 80, 837-90	13.2	276
298	The Surface-Associated Exopolysaccharide of <i>Bifidobacterium longum</i> 35624 Plays an Essential Role in Dampening Host Proinflammatory Responses and Repressing Local TH17 Responses. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 7185-7196	4.8	83
297	Comparative genomics and functional analysis of the 936 group of lactococcal Siphoviridae phages. <i>Scientific Reports</i> , <b>2016</b> , 6, 21345	4.9	47
296	Functional and structural dissection of the tape measure protein of lactococcal phage TP901-1. <i>Scientific Reports</i> , <b>2016</b> , 6, 36667	4.9	40
295	Prophages of the genus <i>Bifidobacterium</i> as modulating agents of the infant gut microbiota. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 2196-213	5.2	49
294	Identification and Analysis of a Novel Group of Bacteriophages Infecting the Lactic Acid Bacterium <i>Streptococcus thermophilus</i> . <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 5153-65	4.8	42
293	Cloning, expression and characterization of a $\beta$ -D-xylosidase from <i>Lactobacillus rossiae</i> DSM 15814(T). <i>Microbial Cell Factories</i> , <b>2016</b> , 15, 72	6.4	19
292	The Baseplate of <i>Lactobacillus delbrueckii</i> Bacteriophage Ld17 Harbors a Glycerophosphodiesterase. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 16816-27	5.4	8
291	MEGAnnotator: a user-friendly pipeline for microbial genomes assembly and annotation. <i>FEMS Microbiology Letters</i> , <b>2016</b> , 363,	2.9	73
290	phage TP901-1 as a model for virion assembly. <i>Bacteriophage</i> , <b>2016</b> , 6, e1123795		11
289	Deciphering bifidobacterial-mediated metabolic interactions and their impact on gut microbiota by a multi-omics approach. <i>ISME Journal</i> , <b>2016</b> , 10, 1656-68	11.9	107
288	The Atomic Structure of the Phage Tuc2009 Baseplate Tripod Suggests that Host Recognition Involves Two Different Carbohydrate Binding Modules. <i>MBio</i> , <b>2016</b> , 7, e01781-15	7.8	42

287	Modulation of the eps-ome transcription of bifidobacteria through simulation of human intestinal environment. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92, fiw056	4.3	33
286	Glycoside hydrolase family 13 $\alpha$ -glucosidases encoded by <i>Bifidobacterium breve</i> UCC2003; A comparative analysis of function, structure and phylogeny. <i>International Journal of Food Microbiology</i> , <b>2016</b> , 224, 55-65	5.8	18
285	Phage-Host Interactions of Cheese-Making Lactic Acid Bacteria. <i>Annual Review of Food Science and Technology</i> , <b>2016</b> , 7, 267-85	14.7	35
284	Genomics of the Genus <i>Bifidobacterium</i> Reveals Species-Specific Adaptation to the Glycan-Rich Gut Environment. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 980-991	4.8	121
283	Transcriptional Regulation of Carbohydrate Utilization Pathways in the <i>Bifidobacterium</i> Genus. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 120	5.7	35
282	<i>Bifidobacteria</i> and Their Role as Members of the Human Gut Microbiota. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 925	5.7	366
281	Genome Analysis and Characterisation of the Exopolysaccharide Produced by <i>Bifidobacterium longum</i> subsp. <i>longum</i> 35624. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162983	3.7	56
280	The human gut microbiota and its interactive connections to diet. <i>Journal of Human Nutrition and Dietetics</i> , <b>2016</b> , 29, 539-46	3.1	40
279	Insights into the biodiversity of the gut microbiota of broiler chickens. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 4727-4738	5.2	89
278	<i>Bifidobacterium breve</i> UCC2003 metabolises the human milk oligosaccharides lacto-N-tetraose and lacto-N-neo-tetraose through overlapping, yet distinct pathways. <i>Scientific Reports</i> , <b>2016</b> , 6, 38560	4.9	80
277	Evaluation of genetic diversity among strains of the human gut commensal <i>Bifidobacterium adolescentis</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 23971	4.9	70
276	Glycosulfatase-Encoding Gene Cluster in <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 6611-6623	4.8	29
275	Elucidating the gut microbiome of ulcerative colitis: bifidobacteria as novel microbial biomarkers. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92,	4.3	75
274	Stable Engraftment of <i>Bifidobacterium longum</i> AH1206 in the Human Gut Depends on Individualized Features of the Resident Microbiome. <i>Cell Host and Microbe</i> , <b>2016</b> , 20, 515-526	23.4	222
273	A GntR-type transcriptional repressor controls sialic acid utilization in <i>Bifidobacterium breve</i> UCC2003. <i>FEMS Microbiology Letters</i> , <b>2015</b> , 362,	2.9	15
272	Investigating the requirement for calcium during lactococcal phage infection. <i>International Journal of Food Microbiology</i> , <b>2015</b> , 201, 47-51	5.8	13
271	Exploring Vertical Transmission of <i>Bifidobacteria</i> from Mother to Child. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 7078-87	4.8	150
270	Structural investigation of cell wall polysaccharides of <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> 17. <i>Carbohydrate Research</i> , <b>2015</b> , 413, 93-9	2.9	10

269	Lactococcal 949 group phages recognize a carbohydrate receptor on the host cell surface. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 3299-305	4.8	30
268	Bifidobacteria of the Human Gut <b>2015</b> , 41-51		8
267	Gram-positive phage-host interactions. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 61	5.7	7
266	Productive mRNA stem loop-mediated transcriptional slippage: Crucial features in common with intrinsic terminators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E1984-93	11.5	13
265	Next-generation sequencing as an approach to dairy starter selection. <i>Dairy Science and Technology</i> , <b>2015</b> , 95, 545-568		32
264	Carbohydrate catabolic diversity of bifidobacteria and lactobacilli of human origin. <i>International Journal of Food Microbiology</i> , <b>2015</b> , 203, 109-21	5.8	53
263	Evidence for cholesterol-lowering activity by Bifidobacterium bifidum PRL2010 through gut microbiota modulation. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 6813-29	5.7	41
262	Insights into teichoic acid biosynthesis by Bifidobacterium bifidum PRL2010. <i>FEMS Microbiology Letters</i> , <b>2015</b> , 362, fnv141	2.9	10
261	Insights from genomes of representatives of the human gut commensal Bifidobacterium bifidum. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 2515-31	5.2	61
260	Novel phage group infecting Lactobacillus delbrueckii subsp. lactis, as revealed by genomic and proteomic analysis of bacteriophage Ldl1. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 1319-26	4.8	27
259	Discovery of a conjugative megaplasmid in Bifidobacterium breve. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 166-76	4.8	19
258	Novel strategies to prevent or exploit phages in fermentations, insights from phage-host interactions. <i>Current Opinion in Biotechnology</i> , <b>2015</b> , 32, 8-13	11.4	26
257	Bifidobacteria exhibit social behavior through carbohydrate resource sharing in the gut. <i>Scientific Reports</i> , <b>2015</b> , 5, 15782	4.9	168
256	Glycan cross-feeding activities between bifidobacteria under in vitro conditions. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1030	5.7	58
255	Exploring Amino Acid Auxotrophy in Bifidobacterium bifidum PRL2010. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1331	5.7	31
254	Occurrence and Diversity of CRISPR-Cas Systems in the Genus Bifidobacterium. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133661	3.7	53
253	A genome-based identification approach for members of the genus Bifidobacterium. <i>FEMS Microbiology Ecology</i> , <b>2015</b> , 91,	4.3	12
252	Structure and Assembly of TP901-1 Virion Unveiled by Mutagenesis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131676	3.7	14

251	Klebsiella pneumoniae subsp. pneumoniae-bacteriophage combination from the caecal effluent of a healthy woman. <i>PeerJ</i> , <b>2015</b> , 3, e1061	3.1	25
250	Bifidobacterium bifidum PRL2010 modulates the host innate immune response. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 730-40	4.8	51
249	Kefir fermented milk and kefirin promote growth of Bifidobacterium bifidum PRL2010 and modulate its gene expression. <i>International Journal of Food Microbiology</i> , <b>2014</b> , 178, 50-9	5.8	50
248	Bifidobacteria and humans: our special friends, from ecological to genomics perspectives. <i>Journal of the Science of Food and Agriculture</i> , <b>2014</b> , 94, 163-8	4.3	78
247	Characterization of virus-like particles associated with the human faecal and caecal microbiota. <i>Research in Microbiology</i> , <b>2014</b> , 165, 803-12	4	105
246	Molecular characterization of three Lactobacillus delbrueckii subsp. bulgaricus phages. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 5623-35	4.8	22
245	The Lactococcus lactis plasmidome: much learnt, yet still lots to discover. <i>FEMS Microbiology Reviews</i> , <b>2014</b> , 38, 1066-88	15.1	40
244	Expression of sortase-dependent pili of Bifidobacterium bifidum PRL2010 in response to environmental gut conditions. <i>FEMS Microbiology Letters</i> , <b>2014</b> , 357, 23-33	2.9	41
243	Genomic characterization and transcriptional studies of the starch-utilizing strain Bifidobacterium adolescentis 22L. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 6080-90	4.8	60
242	Metabolism of sialic acid by Bifidobacterium breve UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 4414-26	4.8	98
241	Genomic encyclopedia of type strains of the genus Bifidobacterium. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 6290-302	4.8	162
240	Transcription of two adjacent carbohydrate utilization gene clusters in Bifidobacterium breve UCC2003 is controlled by LacI- and repressor open reading frame kinase (ROK)-type regulators. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 3604-14	4.8	25
239	Evaluation of bifidobacterial community composition in the human gut by means of a targeted amplicon sequencing (ITS) protocol. <i>FEMS Microbiology Ecology</i> , <b>2014</b> , 90, 493-503	4.3	62
238	T-cell activation by transitory neo-antigens derived from distinct microbial pathways. <i>Nature</i> , <b>2014</b> , 509, 361-5	50.4	492
237	Investigation of the evolutionary development of the genus Bifidobacterium by comparative genomics. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 6383-94	4.8	95
236	Impact of thermal and biocidal treatments on lactococcal 936-type phages. <i>International Dairy Journal</i> , <b>2014</b> , 34, 56-61	3.5	24
235	Molecular dialogue between the human gut microbiota and the host: a Lactobacillus and Bifidobacterium perspective. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 183-203	10.3	188
234	Progress in lactic acid bacterial phage research. <i>Microbial Cell Factories</i> , <b>2014</b> , 13 Suppl 1, S1	6.4	25

233	Identification of restriction-modification systems of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> CNCM I-2494 by SMRT sequencing and associated methylome analysis. <i>PLoS ONE</i> , <b>2014</b> , 9, e94875	3-7	22
232	Autoinducer-2 plays a crucial role in gut colonization and probiotic functionality of <i>Bifidobacterium breve</i> UCC2003. <i>PLoS ONE</i> , <b>2014</b> , 9, e98111	3-7	49
231	Current taxonomy of phages infecting lactic acid bacteria. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 7	5-7	50
230	<i>Bifidobacterium bifidum</i> as an example of a specialized human gut commensal. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 437	5-7	73
229	The Genome Sequence of <i>Bifidobacterium moukalabense</i> DSM 27321 Highlights the Close Phylogenetic Relatedness with the <i>Bifidobacterium dentium</i> Taxon. <i>Genome Announcements</i> , <b>2014</b> , 2,		6
228	Comparative genomics of the <i>Bifidobacterium breve</i> taxon. <i>BMC Genomics</i> , <b>2014</b> , 15, 170	4-5	99
227	Differences in lactococcal cell wall polysaccharide structure are major determining factors in bacteriophage sensitivity. <i>MBio</i> , <b>2014</b> , 5, e00880-14	7-8	76
226	The plasmid complement of <i>Lactococcus lactis</i> UC509.9 encodes multiple bacteriophage resistance systems. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 4341-9	4-8	15
225	Methyltransferases acquired by lactococcal 936-type phage provide protection against restriction endonuclease activity. <i>BMC Genomics</i> , <b>2014</b> , 15, 831	4-5	16
224	Diversity, ecology and intestinal function of bifidobacteria. <i>Microbial Cell Factories</i> , <b>2014</b> , 13 Suppl 1, S4	6.4	81
223	Cross-feeding by <i>Bifidobacterium breve</i> UCC2003 during co-cultivation with <i>Bifidobacterium bifidum</i> PRL2010 in a mucin-based medium. <i>BMC Microbiology</i> , <b>2014</b> , 14, 282	4-5	122
222	<i>Lactobacillus rossiae</i> , a vitamin B12 producer, represents a metabolically versatile species within the Genus <i>Lactobacillus</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e107232	3-7	50
221	Current perspectives on antifungal lactic acid bacteria as natural bio-preservatives. <i>Trends in Food Science and Technology</i> , <b>2013</b> , 33, 93-109	15-3	189
220	Bacteriophage orphan DNA methyltransferases: insights from their bacterial origin, function, and occurrence. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 7547-55	4-8	116
219	Role of sortase-dependent pili of <i>Bifidobacterium bifidum</i> PRL2010 in modulating bacterium-host interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 11151-6	11-5	172
218	Metabolism of four $\beta$ -glycosidic linkage-containing oligosaccharides by <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 6280-92	4-8	42
217	Biodiversity of lactococcal bacteriophages isolated from 3 Gouda-type cheese-producing plants. <i>Journal of Dairy Science</i> , <b>2013</b> , 96, 4945-57	4	34
216	Exploration of the genomic diversity and core genome of the <i>Bifidobacterium adolescentis</i> phylogenetic group by means of a polyphasic approach. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 336-46	4-8	15



215	Broad-spectrum antifungal-producing lactic acid bacteria and their application in fruit models. <i>Folia Microbiologica</i> , <b>2013</b> , 58, 291-9	2.8	47
214	Transcriptional and functional characterization of genetic elements involved in galacto-oligosaccharide utilization by <i>Bifidobacterium breve</i> UCC2003. <i>Microbial Biotechnology</i> , <b>2013</b> , 6, 67-79	6.3	63
213	Selective carbohydrate utilization by lactobacilli and bifidobacteria. <i>Journal of Applied Microbiology</i> , <b>2013</b> , 114, 1132-46	4.7	147
212	Bacteria as vitamin suppliers to their host: a gut microbiota perspective. <i>Current Opinion in Biotechnology</i> , <b>2013</b> , 24, 160-8	11.4	766
211	Evaluation of adhesion properties and antibacterial activities of the infant gut commensal <i>Bifidobacterium bifidum</i> PRL2010. <i>Anaerobe</i> , <b>2013</b> , 21, 9-17	2.8	41
210	Transcriptomic and morphological profiling of <i>Aspergillus fumigatus</i> Af293 in response to antifungal activity produced by <i>Lactobacillus plantarum</i> 16. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 2014-2024	2.9	10
209	Complete genome sequence of the 936-type lactococcal bacteriophage CaseusJM1. <i>Genome Announcements</i> , <b>2013</b> , 1, e0005913		1
208	Viral infection modulation and neutralization by camelid nanobodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E1371-9	11.5	41
207	Lytic infection of <i>Lactococcus lactis</i> by bacteriophages Tuc2009 and c2 triggers alternative transcriptional host responses. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 4786-98	4.8	30
206	Comparative genomics of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> reveals a strict monophyletic bifidobacterial taxon. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 4304-15	4.8	66
205	Identification of a new P335 subgroup through molecular analysis of lactococcal phages Q33 and BM13. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 4401-9	4.8	43
204	Complete Genome Sequence of <i>Lactobacillus plantarum</i> Strain 16, a Broad-Spectrum Antifungal-Producing Lactic Acid Bacterium. <i>Genome Announcements</i> , <b>2013</b> , 1,		25
203	Identification and characterization of an oleate hydratase-encoding gene from <i>Bifidobacterium breve</i> . <i>Bioengineered</i> , <b>2013</b> , 4, 313-21	5.7	37
202	The lactococcal phages Tuc2009 and TP901-1 incorporate two alternate forms of their tail fiber into their virions for infection specialization. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 5581-90	5.4	70
201	Structure and functional analysis of the host recognition device of lactococcal phage tuc2009. <i>Journal of Virology</i> , <b>2013</b> , 87, 8429-40	6.6	42
200	Tale of the unseen phage. <i>Bacteriophage</i> , <b>2013</b> , 3, e25985		1
199	Investigation of the relationship between lactococcal host cell wall polysaccharide genotype and 936 phage receptor binding protein phylogeny. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 4385-92	4.8	83
198	Complete Genome of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> UC509.9, Host for a Model Lactococcal P335 Bacteriophage. <i>Genome Announcements</i> , <b>2013</b> , 1,		35

197	High-Quality Draft Genome Sequence of <i>Bifidobacterium longum</i> E18, Isolated from a Healthy Adult. <i>Genome Announcements</i> , <b>2013</b> , 1,		5
196	Transposon mutagenesis in <i>Bifidobacterium breve</i> : construction and characterization of a Tn5 transposon mutant library for <i>Bifidobacterium breve</i> UCC2003. <i>PLoS ONE</i> , <b>2013</b> , 8, e64699	3.7	31
195	Assessing the fecal microbiota: an optimized ion torrent 16S rRNA gene-based analysis protocol. <i>PLoS ONE</i> , <b>2013</b> , 8, e68739	3.7	205
194	In silico assigned resistance genes confer <i>Bifidobacterium</i> with partial resistance to aminoglycosides but not to $\beta$ -lactams. <i>PLoS ONE</i> , <b>2013</b> , 8, e82653	3.7	15
193	A bile-inducible membrane protein mediates bifidobacterial bile resistance. <i>Microbial Biotechnology</i> , <b>2012</b> , 5, 523-35	6.3	26
192	An efficient and reproducible method for transformation of genetically recalcitrant bifidobacteria. <i>FEMS Microbiology Letters</i> , <b>2012</b> , 333, 146-52	2.9	19
191	Fibrinogen-binding and platelet-aggregation activities of a <i>Lactobacillus salivarius</i> septicaemia isolate are mediated by a novel fibrinogen-binding protein. <i>Molecular Microbiology</i> , <b>2012</b> , 85, 862-77	4.1	22
190	Phages of lactic acid bacteria: the role of genetics in understanding phage-host interactions and their co-evolutionary processes. <i>Virology</i> , <b>2012</b> , 434, 143-50	3.6	28
189	High resolution in vivo bioluminescent imaging for the study of bacterial tumour targeting. <i>PLoS ONE</i> , <b>2012</b> , 7, e30940	3.7	100
188	Diversity of bifidobacteria within the infant gut microbiota. <i>PLoS ONE</i> , <b>2012</b> , 7, e36957	3.7	415
187	Comparative analysis of two antifungal <i>Lactobacillus plantarum</i> isolates and their application as bioprotectants in refrigerated foods. <i>Journal of Applied Microbiology</i> , <b>2012</b> , 113, 1417-27	4.7	36
186	Host-microbe interactions that facilitate gut colonization by commensal bifidobacteria. <i>Trends in Microbiology</i> , <b>2012</b> , 20, 467-76	12.4	139
185	Bifidobacterial surface-exopolysaccharide facilitates commensal-host interaction through immune modulation and pathogen protection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 2108-13	11.5	364
184	Gut microbiota composition correlates with diet and health in the elderly. <i>Nature</i> , <b>2012</b> , 488, 178-84	50.4	1987
183	Structural aspects of the interaction of dairy phages with their host bacteria. <i>Viruses</i> , <b>2012</b> , 4, 1410-24	6.2	29
182	Analysis of predicted carbohydrate transport systems encoded by <i>Bifidobacterium bifidum</i> PRL2010. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 5002-12	4.8	52
181	A two-component regulatory system controls autoregulated serpin expression in <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 7032-41	4.8	26
180	Genome sequence of <i>Parascardovia denticolens</i> IPLA 20019, isolated from human breast milk. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4776-7	3.5	9

179	Identification of iron-regulated genes of <i>Bifidobacterium breve</i> UCC2003 as a basis for controlled gene expression. <i>Bioengineered</i> , <b>2012</b> , 3, 157-67	5.7	16
178	Probiogenomics as a tool to obtain genetic insights into adaptation of probiotic bacteria to the human gut. <i>Bioengineered</i> , <b>2012</b> , 3, 73-9	5.7	32
177	Discovering novel bile protection systems in <i>Bifidobacterium breve</i> UCC2003 through functional genomics. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 1123-31	4.8	45
176	<i>Bifidobacterium breve</i> UCC2003 surface exopolysaccharide production is a beneficial trait mediating commensal-host interaction through immune modulation and pathogen protection. <i>Gut Microbes</i> , <b>2012</b> , 3, 420-5	8.8	47
175	A conserved two-component signal transduction system controls the response to phosphate starvation in <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 5258-69	4.8	15
174	Lactococcal 936-type phages and dairy fermentation problems: from detection to evolution and prevention. <i>Frontiers in Microbiology</i> , <b>2012</b> , 3, 335	5.7	48
173	Structure of the phage TP901-1 1.8 MDa baseplate suggests an alternative host adhesion mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8954-8	11.5	100
172	<i>Bifidobacterium asteroides</i> PRL2011 genome analysis reveals clues for colonization of the insect gut. <i>PLoS ONE</i> , <b>2012</b> , 7, e44229	3.7	91
171	Biotechnological production of vitamin B2-enriched bread and pasta. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 8013-20	5.7	94
170	Insights into physiological and genetic mupirocin susceptibility in bifidobacteria. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 3141-6	4.8	29
169	B-group vitamin production by lactic acid bacteria--current knowledge and potential applications. <i>Journal of Applied Microbiology</i> , <b>2011</b> , 111, 1297-309	4.7	263
168	Metabolism of a plant derived galactose-containing polysaccharide by <i>Bifidobacterium breve</i> UCC2003. <i>Microbial Biotechnology</i> , <b>2011</b> , 4, 403-16	6.3	72
167	Construction of two <i>Lactococcus lactis</i> expression vectors combining the Gateway and the Nlsin Controlled Expression systems. <i>Plasmid</i> , <b>2011</b> , 66, 129-35	3.3	16
166	Genomics and ecological overview of the genus <i>Bifidobacterium</i> . <i>International Journal of Food Microbiology</i> , <b>2011</b> , 149, 37-44	5.8	104
165	Progress in genomics, metabolism and biotechnology of bifidobacteria. <i>International Journal of Food Microbiology</i> , <b>2011</b> , 149, 4-18	5.8	61
164	The impact of bacteriophages on probiotic bacteria and gut microbiota diversity. <i>Genes and Nutrition</i> , <b>2011</b> , 6, 205-7	4.3	34
163	Carbohydrate metabolism in <i>Bifidobacteria</i> . <i>Genes and Nutrition</i> , <b>2011</b> , 6, 285-306	4.3	445
162	Expanding the molecular toolbox for <i>Lactococcus lactis</i> : construction of an inducible thioredoxin gene fusion expression system. <i>Microbial Cell Factories</i> , <b>2011</b> , 10, 66	6.4	25

161	Genetic analysis and morphological identification of pilus-like structures in members of the genus <i>Bifidobacterium</i> . <i>Microbial Cell Factories</i> , <b>2011</b> , 10 Suppl 1, S16	6.4	73
160	Bacteriophages as biocontrol agents of food pathogens. <i>Current Opinion in Biotechnology</i> , <b>2011</b> , 22, 157-63	6.4	141
159	Complete genome sequence of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> BLC1. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 6387-8	3.5	18
158	Genome sequence of <i>Bifidobacterium breve</i> DPC 6330, a strain isolated from the human intestine. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 6799-800	3.5	5
157	Global genome transcription profiling of <i>Bifidobacterium bifidum</i> PRL2010 under in vitro conditions and identification of reference genes for quantitative real-time PCR. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 8578-87	4.8	24
156	Ability of <i>Bifidobacterium breve</i> to grow on different types of milk: exploring the metabolism of milk through genome analysis. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 7408-17	4.8	38
155	Complete genome sequence of <i>Bifidobacterium bifidum</i> S17. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 301-2	3.5	32
154	Cellodextrin utilization by <i>bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 1681-90	4.8	62
153	Functional genome analysis of <i>Bifidobacterium breve</i> UCC2003 reveals type IVb tight adherence (Tad) pili as an essential and conserved host-colonization factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 11217-22	11.5	290
152	Genetic strategies for mucin metabolism in <i>Bifidobacterium bifidum</i> PRL2010: an example of possible human-microbe co-evolution. <i>Gut Microbes</i> , <b>2011</b> , 2, 183-9	8.8	59
151	Composition, variability, and temporal stability of the intestinal microbiota of the elderly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108 Suppl 1, 4586-91	11.5	1105
150	Isolation of a virulent <i>Lactobacillus brevis</i> phage and its application in the control of beer spoilage. <i>Journal of Food Protection</i> , <b>2011</b> , 74, 2157-61	2.5	35
149	Stress Responses of <i>Bifidobacteria</i> <b>2011</b> , 323-347		2
148	Characterization of the serpin-encoding gene of <i>Bifidobacterium breve</i> 210B. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 3206-19	4.8	58
147	Genome analysis of <i>Bifidobacterium bifidum</i> PRL2010 reveals metabolic pathways for host-derived glycan foraging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 19514-9	11.5	266
146	Intertwinement of stress response regulons in <i>Bifidobacterium breve</i> UCC2003. <i>Gut Microbes</i> , <b>2010</b> , 1, 100-102	8.8	10
145	Comparative genomics of the genus <i>Bifidobacterium</i> . <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 3243-3254	4.8	92
144	Orally administered bifidobacteria as vehicles for delivery of agents to systemic tumors. <i>Molecular Therapy</i> , <b>2010</b> , 18, 1397-407	11.7	87

143	Solution and electron microscopy characterization of lactococcal phage baseplates expressed in <i>Escherichia coli</i> . <i>Journal of Structural Biology</i> , <b>2010</b> , 172, 75-84	3.4	33
142	Genome analysis of the <i>Clostridium difficile</i> phage PhiCD6356, a temperate phage of the Siphoviridae family. <i>Gene</i> , <b>2010</b> , 462, 34-43	3.8	41
141	Risk assessment of genetically modified lactic acid bacteria using the concept of substantial equivalence. <i>Current Microbiology</i> , <b>2010</b> , 61, 590-5	2.4	20
140	Analyses of bifidobacterial prophage-like sequences. <i>Antonie Van Leeuwenhoek</i> , <b>2010</b> , 98, 39-50	2.1	13
139	Ribose utilization by the human commensal <i>Bifidobacterium breve</i> UCC2003. <i>Microbial Biotechnology</i> , <b>2010</b> , 3, 311-23	6.3	48
138	Bifidobacteria: from ecology to genomics. <i>Frontiers in Bioscience - Landmark</i> , <b>2009</b> , 14, 4673-84	2.8	30
137	Exploring the diversity of the bifidobacterial population in the human intestinal tract. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 1534-45	4.8	237
136	An interactive regulatory network controls stress response in <i>Bifidobacterium breve</i> UCC2003. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 7039-49	3.5	58
135	Microbial diversity in the human intestine and novel insights from metagenomics. <i>Frontiers in Bioscience - Landmark</i> , <b>2009</b> , 14, 3214-21	2.8	60
134	Characterization of two novel alpha-glucosidases from <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 1135-43	4.8	47
133	Bile-inducible efflux transporter from <i>Bifidobacterium longum</i> NCC2705, conferring bile resistance. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 3153-60	4.8	58
132	Overcoming the restriction barrier to plasmid transformation and targeted mutagenesis in <i>Bifidobacterium breve</i> UCC2003. <i>Microbial Biotechnology</i> , <b>2009</b> , 2, 321-32	6.3	87
131	Bacterial vitamin B2, B11 and B12 overproduction: An overview. <i>International Journal of Food Microbiology</i> , <b>2009</b> , 133, 1-7	5.8	117
130	Microbiomic analysis of the bifidobacterial population in the human distal gut. <i>ISME Journal</i> , <b>2009</b> , 3, 745-51	11.9	111
129	Genome-scale analyses of health-promoting bacteria: probiogenomics. <i>Nature Reviews Microbiology</i> , <b>2009</b> , 7, 61-71	22.2	334
128	Comparative analyses of prophage-like elements present in bifidobacterial genomes. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 6929-36	4.8	40
127	The <i>Bifidobacterium dentium</i> Bd1 genome sequence reflects its genetic adaptation to the human oral cavity. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000785	6	120
126	Lactic acid bacteria with potential to eliminate fungal spoilage in foods. <i>Journal of Applied Microbiology</i> , <b>2008</b> , 104, 915-23	4.7	129

125	Development of a luciferase-based reporter system to monitor <i>Bifidobacterium breve</i> UCC2003 persistence in mice. <i>BMC Microbiology</i> , <b>2008</b> , 8, 161	4.5	61
124	Characterization of endogenous plasmids from <i>Lactobacillus salivarius</i> UCC118. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 3216-28	4.8	41
123	<i>Lactobacillus hordei</i> sp. nov., a bacteriocinogenic strain isolated from malted barley. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2008</b> , 58, 2013-7	2.2	20
122	Identification and characterization of lactococcal-prophage-carried superinfection exclusion genes. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 6206-15	4.8	73
121	Characterization of ApuB, an extracellular type II amylopullulanase from <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 6271-9	4.8	90
120	A topological model of the baseplate of lactococcal phage Tuc2009. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 2716-23	5.4	49
119	Bioprotective potential of lactic acid bacteria in malting and brewing. <i>Journal of Food Protection</i> , <b>2008</b> , 71, 1724-33	2.5	51
118	Human gut microbiota and bifidobacteria: from composition to functionality. <i>Antonie Van Leeuwenhoek</i> , <b>2008</b> , 94, 35-50	2.1	158
117	<i>Lactobacillus</i> phylogenomics--towards a reclassification of the genus. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2008</b> , 58, 2945-54	2.2	85
116	Comparative analyses of prophage-like elements present in two <i>Lactococcus lactis</i> strains. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 7771-80	4.8	37
115	Genomics of Actinobacteria: tracing the evolutionary history of an ancient phylum. <i>Microbiology and Molecular Biology Reviews</i> , <b>2007</b> , 71, 495-548	13.2	680
114	The genus <i>Lactobacillus</i> --a genomic basis for understanding its diversity. <i>FEMS Microbiology Letters</i> , <b>2007</b> , 269, 22-8	2.9	107
113	From bacterial genome to functionality; case bifidobacteria. <i>International Journal of Food Microbiology</i> , <b>2007</b> , 120, 2-12	5.8	63
112	Exploiting <i>Bifidobacterium</i> genomes: the molecular basis of stress response. <i>International Journal of Food Microbiology</i> , <b>2007</b> , 120, 13-24	5.8	46
111	Characterization of plasmid pASV479 from <i>Bifidobacterium pseudolongum</i> subsp. <i>globosum</i> and its use for expression vector construction. <i>Plasmid</i> , <b>2007</b> , 58, 140-7	3.3	25
110	Improvement of the quality and shelf life of wheat bread by fermentation with the antifungal strain <i>Lactobacillus plantarum</i> FST 1.7. <i>Journal of Cereal Science</i> , <b>2007</b> , 45, 309-318	3.8	238
109	Bacteriophages in dairy products: pros and cons. <i>Biotechnology Journal</i> , <b>2007</b> , 2, 450-5	5.6	32
108	Functional analysis of the pBC1 replicon from <i>Bifidobacterium catenulatum</i> L48. <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 76, 1395-402	5.7	47

107	Genomics as a means to understand bacterial phylogeny and ecological adaptation: the case of bifidobacteria. <i>Antonie Van Leeuwenhoek</i> , <b>2007</b> , 91, 351-72	2.1	87
106	Identification and characterization of a fructose phosphotransferase system in <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 545-53	4.8	72
105	Distribution of megaplasmids in <i>Lactobacillus salivarius</i> and other lactobacilli. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 6128-39	3.5	50
104	Molecular characterization of hsp20, encoding a small heat shock protein of <i>bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 4695-703	4.8	38
103	Molecular dissection of a bifidobacterial replicon. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 7858-66	4.8	28
102	High-Throughput Isolation of Bacteriocin-Producing Lactic Acid Bacteria, with Potential Application in the Brewing Industry. <i>Journal of the Institute of Brewing</i> , <b>2007</b> , 113, 256-262	2	15
101	Complete genome sequence of the prototype lactic acid bacterium <i>Lactococcus lactis</i> subsp. <i>cremoris</i> MG1363. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 3256-70	3.5	314
100	Characterization of the lytic-lysogenic switch of the lactococcal bacteriophage Tuc2009. <i>Virology</i> , <b>2006</b> , 347, 434-46	3.6	18
99	A genetic dissection of the LlaJI restriction cassette reveals insights on a novel bacteriophage resistance system. <i>BMC Microbiology</i> , <b>2006</b> , 6, 40	4.5	19
98	Identification of the lower baseplate protein as the antireceptor of the temperate lactococcal bacteriophages TP901-1 and Tuc2009. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 55-63	3.5	56
97	Comparative and functional analysis of sortase-dependent proteins in the predicted secretome of <i>Lactobacillus salivarius</i> UCC118. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 4143-53	4.8	114
96	Analysis of bifidobacterial evolution using a multilocus approach. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 2783-2792	2.2	136
95	Multireplicon genome architecture of <i>Lactobacillus salivarius</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 6718-23	11.5	183
94	Two membrane proteins from <i>Bifidobacterium breve</i> UCC2003 constitute an ABC-type multidrug transporter. <i>Microbiology (United Kingdom)</i> , <b>2006</b> , 152, 3497-3505	2.9	30
93	Diversity of the genus <i>Lactobacillus</i> revealed by comparative genomics of five species. <i>Microbiology (United Kingdom)</i> , <b>2006</b> , 152, 3185-3196	2.9	102
92	Combination of multiplex PCR and PCR-denaturing gradient gel electrophoresis for monitoring common sourdough-associated <i>Lactobacillus</i> species. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 3793-6	4.8	30
91	The riboflavin transporter RibU in <i>Lactococcus lactis</i> : molecular characterization of gene expression and the transport mechanism. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 2752-60	3.5	66
90	Anatomy of a lactococcal phage tail. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 3972-82	3.5	66

89	Sequence analysis of the lactococcal plasmid pNP40: a mobile replicon for coping with environmental hazards. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 6629-39	3.5	43
88	Comparative genomics and transcriptional analysis of prophages identified in the genomes of <i>Lactobacillus gasseri</i> , <i>Lactobacillus salivarius</i> , and <i>Lactobacillus casei</i> . <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 3130-46	4.8	57
87	Screening for and identification of starch-, amylopectin-, and pullulan-degrading activities in bifidobacterial strains. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 5289-96	4.8	128
86	A general method for selection of riboflavin-overproducing food grade micro-organisms. <i>Microbial Cell Factories</i> , <b>2006</b> , 5, 24	6.4	85
85	Sequence and comparative genomic analysis of lactococcal bacteriophages jj50, 712 and P008: evolutionary insights into the 936 phage species. <i>FEMS Microbiology Letters</i> , <b>2006</b> , 261, 253-61	2.9	61
84	How high G+C Gram-positive bacteria and in particular bifidobacteria cope with heat stress: protein players and regulators. <i>FEMS Microbiology Reviews</i> , <b>2006</b> , 30, 734-59	15.1	41
83	Polyphasic analysis indicates that <i>Lactobacillus salivarius</i> subsp. <i>salivarius</i> and <i>Lactobacillus salivarius</i> subsp. <i>salicinius</i> do not merit separate subspecies status. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 2397-2403	2.2	21
82	Macrolide resistance mediated by a <i>Bifidobacterium breve</i> membrane protein. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2005</b> , 49, 4379-81	5.9	19
81	Ingestion of milk fermented by genetically modified <i>Lactococcus lactis</i> improves the riboflavin status of deficient rats. <i>Journal of Dairy Science</i> , <b>2005</b> , 88, 3435-42	4	35
80	Rapid differentiation and in situ detection of 16 sourdough <i>Lactobacillus</i> species by multiplex PCR. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 3049-59	4.8	50
79	<i>Lactococcus lactis</i> is capable of improving the riboflavin status in deficient rats. <i>British Journal of Nutrition</i> , <b>2005</b> , 94, 262-7	3.6	33
78	Fermented functional foods based on probiotics and their biogenic metabolites. <i>Current Opinion in Biotechnology</i> , <b>2005</b> , 16, 198-203	11.4	301
77	Enhancing the Microbiological Stability of Malt and Beer – A Review. <i>Journal of the Institute of Brewing</i> , <b>2005</b> , 111, 355-371	2	124
76	A dichotomous epigenetic mechanism governs expression of the LlaJI restriction/modification system. <i>Molecular Microbiology</i> , <b>2005</b> , 57, 1532-44	4.1	14
75	Getting better with bifidobacteria. <i>Journal of Applied Microbiology</i> , <b>2005</b> , 98, 1303-15	4.7	244
74	In situ activity of a bacteriocin-producing <i>Lactococcus lactis</i> strain. Influence on the interactions between lactic acid bacteria during sourdough fermentation. <i>Journal of Applied Microbiology</i> , <b>2005</b> , 99, 670-81	4.7	59
73	BlastXtract--a new way of exploring translated searches. <i>Bioinformatics</i> , <b>2005</b> , 21, 3667-8	7.2	3
72	Genetic and transcriptional organization of the <i>clpC</i> locus in <i>Bifidobacterium breve</i> UCC 2003. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 6282-91	4.8	24



71	The clpB gene of <i>Bifidobacterium breve</i> UCC 2003: transcriptional analysis and first insights into stress induction. <i>Microbiology (United Kingdom)</i> , <b>2005</b> , 151, 2861-2872	2.9	38
70	Structural characterization and assembly of the distal tail structure of the temperate lactococcal bacteriophage TP901-1. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 4187-97	3.5	54
69	The ClgR protein regulates transcription of the clpP operon in <i>Bifidobacterium breve</i> UCC 2003. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 8411-26	3.5	38
68	<i>Lactobacillus rossii</i> sp. nov., isolated from wheat sourdough. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2005</b> , 55, 35-40	2.2	65
67	Probing direct interactions between CodY and the oppD promoter of <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 512-21	3.5	63
66	Genetic characterization of the <i>Bifidobacterium breve</i> UCC 2003 hrcA locus. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 8998-9007	4.8	27
65	Prophage-like elements in bifidobacteria: insights from genomics, transcription, integration, distribution, and phylogenetic analysis. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 8692-705	4.8	55
64	Transcriptional regulation and characterization of a novel beta-fructofuranosidase-encoding gene from <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 3475-82	4.8	91
63	Gene structure and transcriptional organization of the dnaK operon of <i>Bifidobacterium breve</i> UCC 2003 and application of the operon in bifidobacterial tracing. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 487-500	4.8	62
62	<i>Bifidobacterium lactis</i> DSM 10140: identification of the atp (atpBEFHAGDC) operon and analysis of its genetic structure, characteristics, and phylogeny. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 3110-21	4.8	83
61	Lactococcal plasmid pNP40 encodes a novel, temperature-sensitive restriction-modification system. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 5546-56	4.8	47
60	Characterization of the groEL and groES loci in <i>Bifidobacterium breve</i> UCC 2003: genetic, transcriptional, and phylogenetic analyses. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 6197-209	4.8	82
59	Bacteriophage Tuc2009 encodes a tail-associated cell wall-degrading activity. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 3480-91	3.5	76
58	Characterization of bacteriocin-like inhibitory substances (BLIS) from sourdough lactic acid bacteria and evaluation of their in vitro and in situ activity. <i>Journal of Applied Microbiology</i> , <b>2004</b> , 96, 521-34	4.7	108
57	Transcriptional analysis of bacteriocin production by malt isolate <i>Lactobacillus sakei</i> 5. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 235, 377-384	2.9	16
56	Molecular and transcriptional analysis of the temperate lactococcal bacteriophage Tuc2009. <i>Virology</i> , <b>2004</b> , 329, 40-52	3.6	39
55	Insights into the taxonomy, genetics and physiology of bifidobacteria. <i>Antonie Van Leeuwenhoek</i> , <b>2004</b> , 86, 205-23	2.1	150
54	Application of Biological Acidification to Improve the Quality and Processability of Wort Produced from 50% Raw Barley. <i>Journal of the Institute of Brewing</i> , <b>2004</b> , 110, 133-140	2	22

53	Investigating the Antimicrobial Efficacy of a Lactococcal Bacteriocin for the Development of Microbiologically Stable Beer. <i>Journal of the Institute of Brewing</i> , <b>2004</b> , 110, 181-188	2	10
52	Multivitamin production in <i>Lactococcus lactis</i> using metabolic engineering. <i>Metabolic Engineering</i> , <b>2004</b> , 6, 109-15	9.7	100
51	The impact of bacteriophage genomics. <i>Current Opinion in Biotechnology</i> , <b>2004</b> , 15, 94-9	11.4	24
50	Riboflavin production in <i>Lactococcus lactis</i> : potential for in situ production of vitamin-enriched foods. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 5769-77	4.8	166
49	Transcriptional analysis of bacteriocin production by malt isolate <i>Lactobacillus sakei</i> 5. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 235, 377-84	2.9	3
48	Investigation of protein export in <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 6994-7001	4.8	36
47	Functional characterization of a composite bacteriocin locus from malt isolate <i>Lactobacillus sakei</i> 5. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 7194-203	4.8	72
46	Purification and characterisation of a lactococcal aminoacylase. <i>Archives of Microbiology</i> , <b>2003</b> , 179, 402-8	8	8
45	Isolation and characterisation of a novel bacteriocin produced by <i>Bacillus thuringiensis</i> strain B439. <i>FEMS Microbiology Letters</i> , <b>2003</b> , 220, 127-31	2.9	53
44	The <i>Bacillus subtilis</i> transition state regulator AbrB binds to the -35 promoter region of comK. <i>FEMS Microbiology Letters</i> , <b>2003</b> , 218, 299-304	2.9	41
43	Identification of two-component regulatory systems in <i>Bifidobacterium infantis</i> by functional complementation and degenerate PCR approaches. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 4219-26	4.8	14
42	Comparative Genomics of Bacteriophage Infecting Lactic Acid Bacteria <b>2003</b> , 45-94		
41	Comparative Genomics of Bacteriophage Infecting Lactic Acid Bacteria <b>2003</b> , 45-94		
40	Identification and characterization of phage-resistance genes in temperate lactococcal bacteriophages. <i>Molecular Microbiology</i> , <b>2002</b> , 43, 509-20	4.1	109
39	Metabolic engineering of lactic acid bacteria for the production of nutraceuticals. <i>Antonie Van Leeuwenhoek</i> , <b>2002</b> , 82, 217-235	2.1	93
38	Molecular characterization of cadmium resistance in <i>Streptococcus thermophilus</i> strain 4134: an example of lateral gene transfer. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 5508-16	4.8	37
37	Discovering lactic acid bacteria by genomics. <i>Antonie Van Leeuwenhoek</i> , <b>2002</b> , 82, 29-58	2.1	67
36	Characterization of the genetic locus responsible for the production of ABP-118, a novel bacteriocin produced by the probiotic bacterium <i>Lactobacillus salivarius</i> subsp. <i>salivarius</i> UCC118. <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 973-984	2.9	199

35	The dilemma of phage taxonomy illustrated by comparative genomics of Sfi21-like Siphoviridae in lactic acid bacteria. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 6026-36	3.5	103
34	Antimicrobial-Producing Lactic Acid Bacteria Isolated from Raw Barley and Sorghum. <i>Journal of the Institute of Brewing</i> , <b>2002</b> , 108, 169-177	2	41
33	Bacteriophage-derived genetic tools for use in lactic acid bacteria. <i>International Dairy Journal</i> , <b>2002</b> , 12, 3-15	3.5	20
32	An analysis of bacteriocins produced by lactic acid bacteria isolated from malted barley. <i>Journal of Applied Microbiology</i> , <b>2001</b> , 91, 131-8	4.7	81
31	Comparative genomics reveals close genetic relationships between phages from dairy bacteria and pathogenic Streptococci: evolutionary implications for prophage-host interactions. <i>Virology</i> , <b>2001</b> , 288, 325-41	3.6	115
30	Insertional mutagenesis of an industrial strain of <i>Streptococcus thermophilus</i> . <i>FEMS Microbiology Letters</i> , <b>2001</b> , 200, 85-90	2.9	9
29	Improvement and optimization of two engineered phage resistance mechanisms in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 608-16	4.8	95
28	Characterisation of Antimicrobial Producing Lactic Acid Bacteria from Malted Barley. <i>Journal of the Institute of Brewing</i> , <b>2000</b> , 106, 403-410	2	24
27	Identification of four loci isolated from two <i>Streptococcus thermophilus</i> phage genomes responsible for mediating bacteriophage resistance. <i>FEMS Microbiology Letters</i> , <b>2000</b> , 182, 271-7	2.9	55
26	Identification and characterisation of a gene encoding aminoacylase activity from <i>Lactococcus lactis</i> MG1363. <i>FEMS Microbiology Letters</i> , <b>2000</b> , 183, 177-82	2.9	12
25	Six putative two-component regulatory systems isolated from <i>Lactococcus lactis</i> subsp. <i>cremoris</i> MG1363. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 4), 935-947	2.9	65
24	The <i>Streptococcus thermophilus</i> autolytic phenotype results from a leaky prophage. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 558-65	4.8	44
23	Molecular characterization of the lactococcal plasmid pCIS3: natural stacking of specificity subunits of a type I restriction/modification system in a single lactococcal strain. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 2), 435-443	2.9	34
22	Structural and functional analysis of pCI65st, a 6.5 kb plasmid from <i>Streptococcus thermophilus</i> NDI-6. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 1), 127-134	2.9	48
21	From DNA sequence to application: possibilities and complications. <i>Antonie Van Leeuwenhoek</i> , <b>1999</b> , 76, 3-23	2.1	7
20	A Comparative Study of Malthouse and Brewhouse Microflora. <i>Journal of the Institute of Brewing</i> , <b>1999</b> , 105, 55-61	2	45
19	Identification and characterization of a lysis module present in a large proportion of bacteriophages infecting <i>Streptococcus thermophilus</i> . <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 569-77	4.8	41
18	Molecular characterization of a phage-encoded resistance system in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 1891-9	4.8	52

17	Sequence analysis and characterization of phi O1205, a temperate bacteriophage infecting <i>Streptococcus thermophilus</i> CNRZ1205. <i>Microbiology (United Kingdom)</i> , <b>1997</b> , 143 ( Pt 11), 3417-3429	2.9	101
16	Two groups of bacteriophages infecting <i>Streptococcus thermophilus</i> can be distinguished on the basis of mode of packaging and genetic determinants for major structural proteins. <i>Applied and Environmental Microbiology</i> , <b>1997</b> , 63, 3246-53	4.8	100
15	Sequence analysis and molecular characterization of the temperate lactococcal bacteriophage r1t. <i>Molecular Microbiology</i> , <b>1996</b> , 19, 1343-55	4.1	170
14	Regulated expression of the <i>dinR</i> and <i>recA</i> genes during competence development and SOS induction in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>1996</b> , 22, 75-85	4.1	55
13	A small gene, designated <i>comS</i> , located within the coding region of the fourth amino acid-activation domain of <i>srfA</i> , is required for competence development in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>1995</b> , 15, 55-63	4.1	153
12	Expression of the ATP-dependent deoxyribonuclease of <i>Bacillus subtilis</i> is under competence-mediated control. <i>Molecular Microbiology</i> , <b>1995</b> , 15, 203-11	4.1	29
11	Differential expression of two closely related deoxyribonuclease genes, <i>nucA</i> and <i>nucB</i> , in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>1995</b> , 15, 213-23	4.1	32
10	<i>comK</i> encodes the competence transcription factor, the key regulatory protein for competence development in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>1995</b> , 15, 455-62	4.1	198
9	Molecular genetics of bacteriophage and natural phage defence systems in the genus <i>Lactococcus</i> . <i>International Dairy Journal</i> , <b>1995</b> , 5, 905-947	3.5	65
8	Molecular cloning and sequence of <i>comK</i> , a gene required for genetic competence in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>1994</b> , 11, 695-703	4.1	60
7	Characterization of the <i>srfA</i> locus of <i>Bacillus subtilis</i> : only the valine-activating domain of <i>srfA</i> is involved in the establishment of genetic competence. <i>Molecular Microbiology</i> , <b>1993</b> , 8, 833-41	4.1	47
6	Sequence and analysis of the genetic locus responsible for surfactin synthesis in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , <b>1993</b> , 8, 821-31	4.1	274
5	Isolation and characterization of <i>comL</i> , a transcription unit involved in competence development of <i>Bacillus subtilis</i> . <i>Molecular Genetics and Genomics</i> , <b>1990</b> , 224, 396-404		57
4	An improved beta-galactosidase alpha-complementation system for molecular cloning in <i>Bacillus subtilis</i> . <i>Gene</i> , <b>1990</b> , 93, 41-7	3.8	29
3	Cell Wall-Associated Proteases of <i>Streptococcus cremoris</i> Wg2. <i>Applied and Environmental Microbiology</i> , <b>1987</b> , 53, 853-9	4.8	43
2	Bifi dobacteria: the Model Human Gut Commensal		35-50
1	Identification and characterisation of a gene encoding aminoacylase activity from <i>Lactococcus lactis</i> MG1363		1