

Richard van Kranenburg

List of Publications by Year in descending order

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48
papers

3,817
citations

218381

26
h-index

205818

48
g-index

50
all docs

50
docs citations

50
times ranked

3506
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete genome sequence of <i>Lactobacillus plantarum</i> WCFS1. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1990-1995.	3.3	1,326
2	Molecular characterization of the plasmid-encoded <i>eps</i> gene cluster essential for exopolysaccharide biosynthesis in <i>Lactococcus lactis</i> . Molecular Microbiology, 1997, 24, 387-397.	1.2	257
3	Flavour formation from amino acids by lactic acid bacteria: predictions from genome sequence analysis. International Dairy Journal, 2002, 12, 111-121.	1.5	182
4	Complete Sequences of Four Plasmids of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> SK11 Reveal Extensive Adaptation to the Dairy Environment. Applied and Environmental Microbiology, 2005, 71, 8371-8382.	1.4	150
5	Sugar catabolism and its impact on the biosynthesis and engineering of exopolysaccharide production in lactic acid bacteria. International Dairy Journal, 2001, 11, 723-732.	1.5	117
6	Next Generation Prokaryotic Engineering: The CRISPR-Cas Toolkit. Trends in Biotechnology, 2016, 34, 575-587.	4.9	113
7	Characterizing a thermostable Cas9 for bacterial genome editing and silencing. Nature Communications, 2017, 8, 1647.	5.8	112
8	Functional Analysis of Three Plasmids from <i>Lactobacillus plantarum</i> . Applied and Environmental Microbiology, 2005, 71, 1223-1230.	1.4	100
9	Functional Analysis of Glycosyltransferase Genes from <i>Lactococcus lactis</i> and Other Gram-Positive Cocci: Complementation, Expression, and Diversity. Journal of Bacteriology, 1999, 181, 6347-6353.	1.0	96
10	Genetics and engineering of microbial exopolysaccharides for food: approaches for the production of existing and novel polysaccharides. Current Opinion in Biotechnology, 1999, 10, 498-504.	3.3	92
11	Analysis of acid-stressed <i>Bacillus cereus</i> reveals a major oxidative response and inactivation-associated radical formation. Environmental Microbiology, 2010, 12, 873-885.	1.8	88
12	Cheese flavour development by enzymatic conversions of peptides and amino acids. Food Research International, 2000, 33, 153-160.	2.9	82
13	Regulation of the <i>metC-cysK</i> Operon, Involved in Sulfur Metabolism in <i>Lactococcus lactis</i> . Journal of Bacteriology, 2002, 184, 82-90.	1.0	79
14	Exopolysaccharide Biosynthesis in <i>Lactococcus lactis</i> NIZO B40: Functional Analysis of the Glycosyltransferase Genes Involved in Synthesis of the Polysaccharide Backbone. Journal of Bacteriology, 1999, 181, 338-340.	1.0	74
15	Molecular and Functional Analyses of the <i>metC</i> Gene of <i>Lactococcus lactis</i> , Encoding Cystathionine β -Lyase. Applied and Environmental Microbiology, 2000, 66, 42-48.	1.4	73
16	Hijacking CRISPR-Cas for high-throughput bacterial metabolic engineering: advances and prospects. Current Opinion in Biotechnology, 2018, 50, 146-157.	3.3	59
17	Identification and Genetic Characterization of a Novel Proteinase, PrtR, from the Human Isolate <i>Lactobacillus rhamnosus</i> BGT10. Applied and Environmental Microbiology, 2003, 69, 5802-5811.	1.4	56
18	Efficient Genome Editing of a Facultative Thermophile Using Mesophilic spCas9. ACS Synthetic Biology, 2017, 6, 849-861.	1.9	56

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19	Lactococcal aminotransferases AraT and BcaT are key enzymes for the formation of aroma compounds from amino acids in cheese. <i>International Dairy Journal</i> , 2003, 13, 805-812.	1.5	55
20	Increased Exopolysaccharide Production in <i>Lactococcus lactis</i> due to Increased Levels of Expression of the NIZO B40 eps Gene Cluster. <i>Applied and Environmental Microbiology</i> , 2003, 69, 5029-5031.	1.4	53
21	Nucleotide Sequence Analysis of the Lactococcal EPS Plasmid pNZ4000. <i>Plasmid</i> , 2000, 43, 130-136.	0.4	52
22	A navigation guide of synthetic biology tools for <i>Pseudomonas putida</i> . <i>Biotechnology Advances</i> , 2021, 49, 107732.	6.0	48
23	Characterization of Multiple Regions Involved in Replication and Mobilization of Plasmid pNZ4000 Coding for Exopolysaccharide Production in <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , 1998, 180, 5285-5290.	1.0	46
24	Comparative analysis of transcriptional and physiological responses of <i>Bacillus cereus</i> to organic and inorganic acid shocks. <i>International Journal of Food Microbiology</i> , 2010, 137, 13-21.	2.1	45
25	Isolation and Screening of Thermophilic Bacilli from Compost for Electrotransformation and Fermentation: Characterization of <i>Bacillus smithii</i> ET 138 as a New Biocatalyst. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1874-1883.	1.4	42
26	Genetic Tool Development for a New Host for Biotechnology, the Thermotolerant Bacterium <i>Bacillus coagulans</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 4085-4088.	1.4	37
27	In vivo selection of sfGFP variants with improved and reliable functionality in industrially important thermophilic bacteria. <i>Biotechnology for Biofuels</i> , 2018, 11, 8.	6.2	33
28	Carbon Monoxide Dehydrogenase from <i>GAM1</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 14256-14263.	1.6	27
29	Sustainable Production of Bio-Based Chemicals by Extremophiles. <i>Current Biotechnology</i> , 2013, 2, 360-379.	0.2	26
30	The PEP-pyruvate-oxaloacetate node: variation at the heart of metabolism. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	3.9	22
31	Making More of Milk Sugar by Engineering Lactic Acid Bacteria. <i>International Dairy Journal</i> , 1998, 8, 227-233.	1.5	21
32	Isolation of a genetically accessible thermophilic xylan degrading bacterium from compost. <i>Biotechnology for Biofuels</i> , 2016, 9, 210.	6.2	20
33	Establishment of markerless gene deletion tools in thermophilic <i>Bacillus smithii</i> and construction of multiple mutant strains. <i>Microbial Cell Factories</i> , 2015, 14, 99.	1.9	18
34	Investigating the Central Metabolism of <i>Clostridium thermosuccinogenes</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	18
35	Biochemical characterization of the xylan hydrolysis profile of the extracellular endo-xylanase from <i>Geobacillus thermodenitrificans</i> T12. <i>BMC Biotechnology</i> , 2017, 17, 44.	1.7	15
36	Complete Genome Sequence of <i>Geobacillus thermodenitrificans</i> T12, A Potential Host for Biotechnological Applications. <i>Current Microbiology</i> , 2018, 75, 49-56.	1.0	15

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37	Engineering <i>Geobacillus thermodenitrificans</i> to introduce cellulolytic activity; expression of native and heterologous cellulase genes. <i>BMC Biotechnology</i> , 2018, 18, 42.	1.7	15
38	CRISPR interference (CRISPRi) as transcriptional repression tool for <i>Hungateiclostridium thermocellum</i> DSM 1313. <i>Microbial Biotechnology</i> , 2020, 13, 339-349.	2.0	15
39	The pentose phosphate pathway of cellulolytic clostridia relies on 6-phosphofructokinase instead of transaldolase. <i>Journal of Biological Chemistry</i> , 2020, 295, 1867-1878.	1.6	14
40	Complete genome sequence of thermophilic <i>Bacillus smithii</i> type strain DSM 4216T. <i>Standards in Genomic Sciences</i> , 2016, 11, 52.	1.5	13
41	Development of a Cas12a-Based Genome Editing Tool for Moderate Thermophiles. <i>CRISPR Journal</i> , 2021, 4, 82-91.	1.4	10
42	Characterization of sporulation dynamics of <i>Pseudoclostridium thermosuccinogenes</i> using flow cytometry. <i>Anaerobe</i> , 2020, 63, 102208.	1.0	8
43	Functional Analysis of the ComK Protein of <i>Bacillus coagulans</i> . <i>PLoS ONE</i> , 2013, 8, e53471.	1.1	8
44	Assessing Cofactor Usage in <i>Pseudoclostridium thermosuccinogenes</i> via Heterologous Expression of Central Metabolic Enzymes. <i>Frontiers in Microbiology</i> , 2019, 10, 1162.	1.5	7
45	ReScribe: An Unrestrained Tool Combining Multiplex Recombineering and Minimal-PAM ScCas9 for Genome Recoding <i>Pseudomonas putida</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 2672-2688.	1.9	7
46	Relaxed control of sugar utilization in <i>Parageobacillus thermoglucosidasius</i> DSM 2542. <i>Microbiological Research</i> , 2022, 256, 126957.	2.5	6
47	Effects of CO ₂ limitation on the metabolism of <i>Pseudoclostridium thermosuccinogenes</i> . <i>BMC Microbiology</i> , 2020, 20, 149.	1.3	5
48	Breaking the Restriction Barriers and Applying CRISPRi as a Gene Silencing Tool in <i>Pseudoclostridium thermosuccinogenes</i> . <i>Microorganisms</i> , 2022, 10, 698.	1.6	2