

# Wiep Klaas Smits

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5941216/publications.pdf>

Version: 2024-02-01

61  
papers

4,205  
citations

201674

27  
h-index

128289

60  
g-index

76  
all docs

76  
docs citations

76  
times ranked

4642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bistability, Epigenetics, and Bet-Hedging in Bacteria. <i>Annual Review of Microbiology</i> , 2008, 62, 193-210.	7.3	907
2	<i>Clostridium difficile</i> infection. <i>Nature Reviews Disease Primers</i> , 2016, 2, 16020.	30.5	588
3	Phenotypic variation in bacteria: the role of feedback regulation. <i>Nature Reviews Microbiology</i> , 2006, 4, 259-271.	28.6	443
4	Stripping <i>Bacillus</i> : ComK auto-stimulation is responsible for the bistable response in competence development. <i>Molecular Microbiology</i> , 2005, 56, 604-614.	2.5	178
5	Improving the predictive value of the competence transcription factor (ComK) binding site in <i>Bacillus subtilis</i> using a genomic approach. <i>Nucleic Acids Research</i> , 2002, 30, 5517-5528.	14.5	147
6	Functional genomics reveals that <i>Clostridium difficile</i> Spo0A coordinates sporulation, virulence and metabolism. <i>BMC Genomics</i> , 2014, 15, 160.	2.8	145
7	Genome2D: a visualization tool for the rapid analysis of bacterial transcriptome data. <i>Genome Biology</i> , 2004, 5, R37.	9.6	93
8	The Transcriptional Regulator Rok Binds A+T-Rich DNA and Is Involved in Repression of a Mobile Genetic Element in <i>Bacillus subtilis</i> . <i>PLoS Genetics</i> , 2010, 6, e1001207.	3.5	90
9	Plasmid-mediated metronidazole resistance in <i>Clostridioides difficile</i> . <i>Nature Communications</i> , 2020, 11, 598.	12.8	79
10	Complete genome sequence of the <i>Clostridium difficile</i> laboratory strain 630 <sup>Δerm</sup> reveals differences from strain 630, including translocation of the mobile element CTn5. <i>BMC Genomics</i> , 2015, 16, 31.	2.8	76
11	<i>C. difficile</i> 630 <sup>Δerm</sup> Spo0A Regulates Sporulation, but Does Not Contribute to Toxin Production, by Direct High-Affinity Binding to Target DNA. <i>PLoS ONE</i> , 2012, 7, e48608.	2.5	75
12	The Rok Protein of <i>Bacillus subtilis</i> Represses Genes for Cell Surface and Extracellular Functions. <i>Journal of Bacteriology</i> , 2005, 187, 2010-2019.	2.2	74
13	Interspecies Interactions between <i>Clostridium difficile</i> and <i>Candida albicans</i> . <i>MSphere</i> , 2016, 1, .	2.9	74
14	Temporal separation of distinct differentiation pathways by a dual specificity Rap-Phr system in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2007, 65, 103-120.	2.5	73
15	Mechanistic Insights in the Success of Fecal Microbiota Transplants for the Treatment of <i>Clostridium difficile</i> Infections. <i>Frontiers in Microbiology</i> , 2018, 9, 1242.	3.5	69
16	Single cell analysis of gene expression patterns of competence development and initiation of sporulation in <i>Bacillus subtilis</i> grown on chemically defined media. <i>Journal of Applied Microbiology</i> , 2006, 101, 531-541.	3.1	66
17	Chromosomal Replication Initiation Machinery of Low-G+C-Content Firmicutes. <i>Journal of Bacteriology</i> , 2012, 194, 5162-5170.	2.2	65
18	Visualization of Differential Gene Expression by Improved Cyan Fluorescent Protein and Yellow Fluorescent Protein Production in <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 6809-6815.	3.1	64

#	ARTICLE	IF	CITATIONS
19	TcdC Does Not Significantly Repress Toxin Expression in <i>Clostridium difficile</i> 630 <sup>Δ</sup> Erm. <i>PLoS ONE</i> , 2012, 7, e43247.	2.5	64
20	Ordered association of helicase loader proteins with the <i>Bacillus subtilis</i> origin of replication <i>in vivo</i> . <i>Molecular Microbiology</i> , 2010, 75, 452-461.	2.5	63
21	Ubiquitous late competence genes in <i>Bacillus</i> species indicate the presence of functional DNA uptake machineries. <i>Environmental Microbiology</i> , 2009, 11, 1911-1922.	3.8	60
22	DNA replication proteins as potential targets for antimicrobials in drug-resistant bacterial pathogens. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, dkw548.	3.0	58
23	Primosomal Proteins DnaD and DnaB Are Recruited to Chromosomal Regions Bound by DnaA in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2011, 193, 640-648.	2.2	42
24	Hype or hypervirulence. <i>Virulence</i> , 2013, 4, 592-596.	4.4	41
25	Tricky Business: Transcriptome Analysis Reveals the Involvement of Thioredoxin A in Redox Homeostasis, Oxidative Stress, Sulfur Metabolism, and Cellular Differentiation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2005, 187, 3921-3930.	2.2	36
26	The Signal Sequence of the Abundant Extracellular Metalloprotease PPEP-1 Can Be Used to Secrete Synthetic Reporter Proteins in <i>Clostridium difficile</i> . <i>ACS Synthetic Biology</i> , 2016, 5, 1376-1382.	3.8	34
27	Haem is crucial for medium-dependent metronidazole resistance in clinical isolates of <i>Clostridioides difficile</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1731-1740.	3.0	34
28	Antirepression as a second mechanism of transcriptional activation by a minor groove binding protein. <i>Molecular Microbiology</i> , 2007, 64, 368-381.	2.5	32
29	The Bacterial Chromatin Protein HupA Can Remodel DNA and Associates with the Nucleoid in <i>Clostridium difficile</i> . <i>Journal of Molecular Biology</i> , 2019, 431, 653-672.	4.2	28
30	Production and Secretion Stress Caused by Overexpression of Heterologous $\alpha$ -Amylase Leads to Inhibition of Sporulation and a Prolonged Motile Phase in <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 5354-5362.	3.1	27
31	When simple sequence comparison fails: the cryptic case of the shared domains of the bacterial replication initiation proteins DnaB and DnaD. <i>Nucleic Acids Research</i> , 2010, 38, 6930-6942.	14.5	26
32	The HtrA-Like Protease CD3284 Modulates Virulence of <i>Clostridium difficile</i> . <i>Infection and Immunity</i> , 2014, 82, 4222-4232.	2.2	25
33	Fluorescent imaging of bacterial infections and recent advances made with multimodal radiopharmaceuticals. <i>Clinical and Translational Imaging</i> , 2019, 7, 125-138.	2.1	22
34	Comparison of Whole-Genome Sequence-Based Methods and PCR Ribotyping for Subtyping of <i>Clostridioides difficile</i> . <i>Journal of Clinical Microbiology</i> , 2022, 60, JCM0173721.	3.9	22
35	Host Immune Responses to <i>Clostridioides difficile</i> : Toxins and Beyond. <i>Frontiers in Microbiology</i> , 2021, 12, 804949.	3.5	19
36	Fecal Microbiota Transplantation Influences Procarcinogenic <i>Escherichia coli</i> in Recipient Recurrent <i>Clostridioides difficile</i> Patients. <i>Gastroenterology</i> , 2021, 161, 1218-1228.e5.	1.3	18

#	ARTICLE	IF	CITATIONS
37	Untwisting of the DNA helix stimulates the endonuclease activity of <i>Bacillus subtilis</i> Nth at AP sites. <i>Nucleic Acids Research</i> , 2012, 40, 739-750.	14.5	17
38	Characterization of the virulence of a non-RT027, non-RT078 and binary toxin-positive <i>Clostridium difficile</i> strain associated with severe diarrhea. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-11.	6.5	17
39	Genome Location Dictates the Transcriptional Response to PolC Inhibition in <i>Clostridium difficile</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	15
40	Redefining the <i>Clostridioides difficile</i> $\beta$ Regulon: $\beta$ Activates Genes Involved in Detoxifying Radicals That Can Result from the Exposure to Antimicrobials and Hydrogen Peroxide. <i>MSphere</i> , 2020, 5, .	2.9	15
41	Primase is required for helicase activity and helicase alters the specificity of primase in the enteropathogen <i>Clostridium difficile</i> . <i>Open Biology</i> , 2016, 6, 160272.	3.6	14
42	Cyclodextrin/Adamantane-Mediated Targeting of Inoculated Bacteria in Mice. <i>Bioconjugate Chemistry</i> , 2021, 32, 607-614.	3.6	14
43	Complete genome sequence of BS49 and draft genome sequence of BS34A, <i>Bacillus subtilis</i> strains carrying Tn916. <i>FEMS Microbiology Letters</i> , 2015, 362, 1-4.	1.8	13
44	A helicase-containing module defines a family of pCD630-like plasmids in <i>Clostridium difficile</i> . <i>Anaerobe</i> , 2018, 49, 78-84.	2.1	13
45	Multimodal Tracking of Controlled <i>Staphylococcus aureus</i> Infections in Mice. <i>ACS Infectious Diseases</i> , 2019, 5, 1160-1168.	3.8	13
46	A Single, Specific Thymine Mutation in the ComK-Binding Site Severely Decreases Binding and Transcription Activation by the Competence Transcription Factor ComK of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2007, 189, 4718-4728.	2.2	11
47	Microbial evolutionary medicine: from theory to clinical practice. <i>Lancet Infectious Diseases</i> , The, 2019, 19, e273-e283.	9.1	11
48	Proteomic identification of Axc, a novel beta-lactamase with carbapenemase activity in a meropenem-resistant clinical isolate of <i>Achromobacter xylosoxidans</i> . <i>Scientific Reports</i> , 2018, 8, 8181.	3.3	10
49	The evolving epidemic of <i>Clostridium difficile</i> 630. <i>Anaerobe</i> , 2018, 53, 2-4.	2.1	10
50	The C-Terminal Domain of <i>Clostridioides difficile</i> TcdC Is Exposed on the Bacterial Cell Surface. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	9
51	Plasmids of <i>Clostridioides difficile</i> . <i>Current Opinion in Microbiology</i> , 2022, 65, 87-94.	5.1	8
52	<i>Clostridioides difficile</i> Phosphoproteomics Shows an Expansion of Phosphorylated Proteins in Stationary Growth Phase. <i>MSphere</i> , 2022, 7, e0091121.	2.9	8
53	#EUROMicroMOOC: using Twitter to share trends in Microbiology worldwide. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	7
54	Phenotypic Variation and Bistable Switching in Bacteria. , 2008, , 339-365.		6

#	ARTICLE	IF	CITATIONS
55	Distinct evolution of colistin resistance associated with experimental resistance evolution models in <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 533-535.	3.0	6
56	An in silico survey of <i>Clostridioides difficile</i> extrachromosomal elements. <i>Microbial Genomics</i> , 2019, 5, .	2.0	6
57	Practical observations on the use of fluorescent reporter systems in <i>Clostridioides difficile</i> . <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 297-323.	1.7	6
58	New insights into the type A glycan modification of <i>Clostridioides difficile</i> flagellar protein flagellin C by phosphoproteomics analysis. <i>Journal of Biological Chemistry</i> , 2022, 298, 101622.	3.4	4
59	<i>Clostridium difficile</i> infection. <i>Nature Reviews Disease Primers</i> , 2016, 2, 16021.	30.5	3
60	SNP-ing out the differences: Investigating differences between <i>Clostridium difficile</i> lab strains. <i>Virulence</i> , 2017, 8, 613-617.	4.4	3
61	Identification of the Unwinding Region in the <i>Clostridioides difficile</i> Chromosomal Origin of Replication. <i>Frontiers in Microbiology</i> , 2020, 11, 581401.	3.5	1