

# Peter van Baarlen

## List of Publications by Year in descending order

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66  
papers

6,308  
citations

117453

34  
h-index

102304

66  
g-index

70  
all docs

70  
docs citations

70  
times ranked

9235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging molecular insights into the interaction between probiotics and the host intestinal mucosa. <i>Nature Reviews Microbiology</i> , 2012, 10, 66-78.	13.6	557
2	Epithelial crosstalk at the microbiota-mucosal interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4607-4614.	3.3	492
3	Modulation of Mucosal Immune Response, Tolerance, and Proliferation in Mice Colonized by the Mucin-Degrader <i>Akkermansia muciniphila</i> . <i>Frontiers in Microbiology</i> , 2011, 2, 166.	1.5	438
4	Differential NF- $\kappa$ B pathways induction by <i>Lactobacillus plantarum</i> in the duodenum of healthy humans correlating with immune tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2371-2376.	3.3	363
5	Molecular Phylogeny of the Plant Pathogenic Genus <i>Botrytis</i> and the Evolution of Host Specificity. <i>Molecular Biology and Evolution</i> , 2004, 22, 333-346.	3.5	345
6	Regulation of intestinal homeostasis and immunity with probiotic lactobacilli. <i>Trends in Immunology</i> , 2013, 34, 208-215.	2.9	294
7	Human mucosal in vivo transcriptome responses to three lactobacilli indicate how probiotics may modulate human cellular pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4562-4569.	3.3	289
8	The <i>Cladosporium fulvum</i> Virulence Protein Avr2 Inhibits Host Proteases Required for Basal Defense. <i>Plant Cell</i> , 2008, 20, 1948-1963.	3.1	230
9	The Role of CRISPR-Cas Systems in Virulence of Pathogenic Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2014, 78, 74-88.	2.9	228
10	Temporal and spatial interplay of microbiota and intestinal mucosa drive establishment of immune homeostasis in conventionalized mice. <i>Mucosal Immunology</i> , 2012, 5, 567-579.	2.7	201
11	Bacterial Histidine Kinases as Novel Antibacterial Drug Targets. <i>ACS Chemical Biology</i> , 2015, 10, 213-224.	1.6	174
12	Histochemical and genetic analysis of host and non-host interactions of <i>Arabidopsis</i> with three <i>Botrytis</i> species: an important role for cell death control. <i>Molecular Plant Pathology</i> , 2007, 8, 41-54.	2.0	164
13	A novel link between <i>Campylobacter jejuni</i> bacteriophage defence, virulence and Guillain-Barré syndrome. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2013, 32, 207-226.	1.3	159
14	REG3 $\beta$ -deficient mice have altered mucus distribution and increased mucosal inflammatory responses to the microbiota and enteric pathogens in the ileum. <i>Mucosal Immunology</i> , 2014, 7, 939-947.	2.7	151
15	Molecular mechanisms of pathogenicity: how do pathogenic microorganisms develop cross-kingdom host jumps?. <i>FEMS Microbiology Reviews</i> , 2007, 31, 239-277.	3.9	149
16	Phytotoxic Nep1-like proteins from the necrotrophic fungus <i>Botrytis cinerea</i> associate with membranes and the nucleus of plant cells. <i>New Phytologist</i> , 2008, 177, 493-505.	3.5	136
17	Herbivory induces systemic production of plant volatiles that attract predators of the herbivore: Extraction of endogenous elicitor. <i>Journal of Chemical Ecology</i> , 1993, 19, 581-599.	0.9	132
18	The gut microbiota elicits a profound metabolic reorientation in the mouse jejunal mucosa during conventionalisation. <i>Gut</i> , 2013, 62, 1306-1314.	6.1	118

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19	Positive selection in phytotoxic protein-encoding genes of <i>Botrytis</i> species. <i>Fungal Genetics and Biology</i> , 2007, 44, 52-63.	0.9	104
20	Induction of programmed cell death in lily by the fungal pathogen <i>Botrytis elliptica</i> . <i>Molecular Plant Pathology</i> , 2004, 5, 559-574.	2.0	100
21	Gut bacteriaâ€™host metabolic interplay during conventionalisation of the mouse germfree colon. <i>ISME Journal</i> , 2013, 7, 743-755.	4.4	84
22	Sialyllactose and Galactooligosaccharides Promote Epithelial Barrier Functioning and Distinctly Modulate Microbiota Composition and Short Chain Fatty Acid Production In Vitro. <i>Frontiers in Immunology</i> , 2019, 10, 94.	2.2	80
23	Pathology and control of soil-borne fungal pathogens of potato. <i>Potato Research</i> , 1996, 39, 437-469.	1.2	77
24	Live <i>F</i> <i>ecalibacterium prausnitzii</i> in an apical anaerobic model of the intestinal epithelial barrier. <i>Cellular Microbiology</i> , 2015, 17, 226-240.	1.1	73
25	Visualisation of dCas9 target search in vivo using an open-microscopy framework. <i>Nature Communications</i> , 2019, 10, 3552.	5.8	70
26	Identification of the transcriptional response of human intestinal mucosa to <i>Lactobacillus plantarum</i> WCFS1 in vivo. <i>BMC Genomics</i> , 2008, 9, 374.	1.2	69
27	Meiotic recombination in sexual diploid and apomictic triploid dandelions ( <i>Taraxacum officinale</i> L.). <i>Genome</i> , 2000, 43, 827-835.	0.9	66
28	Transient inflammatory-like state and microbial dysbiosis are pivotal in establishment of mucosal homeostasis during colonisation of germ-free mice. <i>Beneficial Microbes</i> , 2014, 5, 67-77.	1.0	64
29	Control of Competence for DNA Transformation in <i>Streptococcus suis</i> by Genetically Transferable Pherotypes. <i>PLoS ONE</i> , 2014, 9, e99394.	1.1	58
30	Functional analysis of NLP genes from <i>Botrytis elliptica</i> . <i>Molecular Plant Pathology</i> , 2007, 8, 209-214.	2.0	53
31	Carbohydrate Availability Regulates Virulence Gene Expression in <i>Streptococcus suis</i> . <i>PLoS ONE</i> , 2014, 9, e89334.	1.1	48
32	IL-22-STAT3 Pathway Plays a Key Role in the Maintenance of Ileal Homeostasis in Mice Lacking Secreted Mucus Barrier. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 531-542.	0.9	46
33	Alternative functions of CRISPRâ€™Cas systems in the evolutionary arms race. <i>Nature Reviews Microbiology</i> , 2022, 20, 351-364.	13.6	44
34	<i>Campylobacter jejuni</i> Translocation across Intestinal Epithelial Cells Is Facilitated by Ganglioside-Like Lipooligosaccharide Structures. <i>Infection and Immunity</i> , 2012, 80, 3307-3318.	1.0	39
35	Evolutionary relationships between <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> and <i>F. oxysporum</i> f. sp. <i>radicis-lycopersici</i> isolates inferred from mating type, elongation factor-1 $\alpha$ and exopolygalacturonase sequences. <i>Mycological Research</i> , 2009, 113, 1181-1191.	2.5	38
36	Host-Recognition of Pathogens and Commensals in the Mammalian Intestine. <i>Current Topics in Microbiology and Immunology</i> , 2011, 358, 291-321.	0.7	35

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37	The occurrence of phenotypically complementary apomixis-recombinants in crosses between sexual and apomictic dandelions ( <i>Taraxacum officinale</i> ). <i>Sexual Plant Reproduction</i> , 2003, 16, 71-76.	2.2	34
38	Comparative cyto-embryological investigations of sexual and apomictic dandelions ( <i>Taraxacum</i> ) and their apomictic hybrids. <i>Sexual Plant Reproduction</i> , 2002, 15, 31-38.	2.2	33
39	Plant Defence Compounds Against Botrytis Infection. , 2007, , 143-161.		31
40	Guide-free Cas9 from pathogenic <i>Campylobacter jejuni</i> bacteria causes severe damage to DNA. <i>Science Advances</i> , 2020, 6, eaaz4849.	4.7	31
41	Vectorial secretion of interleukin-8 mediates autocrine signalling in intestinal epithelial cells via apically located CXCR1. <i>BMC Research Notes</i> , 2013, 6, 431.	0.6	30
42	Differential Distribution of Type II CRISPR-Cas Systems in Agricultural and Nonagricultural <i>Campylobacter coli</i> and <i>Campylobacter jejuni</i> Isolates Correlates with Lack of Shared Environments. <i>Genome Biology and Evolution</i> , 2015, 7, 2663-2679.	1.1	30
43	Identification of Commensal Species Positively Correlated with Early Stress Responses to a Compromised Mucus Barrier. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 826-840.	0.9	30
44	A Zebrafish Larval Model to Assess Virulence of Porcine <i>Streptococcus suis</i> Strains. <i>PLoS ONE</i> , 2016, 11, e0151623.	1.1	30
45	Change in foraging behaviour of the predatory mite <i>Phytoseiulus persimilis</i> after exposure to dead conspecifics and their products. <i>Entomologia Experimentalis Et Applicata</i> , 1998, 88, 295-300.	0.7	27
46	Host location by <i>Gelis festinans</i> , an eggsac parasitoid of the linyphiid spider <i>Erigone atra</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1996, 81, 155-163.	0.7	23
47	What can we learn from natural apomicts?. <i>Trends in Plant Science</i> , 1999, 4, 43-44.	4.3	22
48	Omics approaches to study host-microbiota interactions. <i>Current Opinion in Microbiology</i> , 2013, 16, 270-277.	2.3	22
49	Tackling the chemical diversity of microbial nonulosonic acids – a universal large-scale survey approach. <i>Chemical Science</i> , 2020, 11, 3074-3080.	3.7	21
50	Disease induction by human microbial pathogens in plant-model systems: potential, problems and prospects. <i>Drug Discovery Today</i> , 2007, 12, 167-173.	3.2	20
51	Challenges in plant cellular pathway reconstruction based on gene expression profiling. <i>Trends in Plant Science</i> , 2008, 13, 44-50.	4.3	20
52	Temporal Regulation of the Transformasome and Competence Development in <i>Streptococcus suis</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1922.	1.5	18
53	Metabolic Context of the Competence-Induced Checkpoint for Cell Replication in <i>Streptococcus suis</i> . <i>PLoS ONE</i> , 2016, 11, e0153571.	1.1	17
54	Walk, the Path towards New Antibacterials with Low Potential for Resistance Development. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 891-894.	1.3	15

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55	AFLP analysis of genetic diversity in populations of <i>Botrytis elliptica</i> and <i>Botrytis tulipae</i> from the Netherlands. <i>European Journal of Plant Pathology</i> , 2007, 117, 219-235.	0.8	14
56	Gene Expression Analysis of Peripheral Cells for Subclassification of Pediatric Inflammatory Bowel Disease in Remission. <i>PLoS ONE</i> , 2013, 8, e79549.	1.1	12
57	<i>Campylobacter jejuni</i> Cas9 Modulates the Transcriptome in Caco-2 Intestinal Epithelial Cells. <i>Genes</i> , 2020, 11, 1193.	1.0	12
58	Biomarker Research in ADHD: the Impact of Nutrition (BRAIN) - study protocol of an open-label trial to investigate the mechanisms underlying the effects of a few-foods diet on ADHD symptoms in children. <i>BMJ Open</i> , 2019, 9, e029422.	0.8	8
59	Use of Microarray Datasets to generate Caco-2-dedicated Networks and to identify Reporter Genes of Specific Pathway Activity. <i>Scientific Reports</i> , 2017, 7, 6778.	1.6	7
60	Selection of antimicrobial frog peptides and temporinâ€ DR a analogues for treatment of bacterial infections based on their cytotoxicity and differential activity against pathogens. <i>Chemical Biology and Drug Design</i> , 2020, 96, 1103-1113.	1.5	7
61	Meiotic recombination in sexual diploid and apomictic triploid dandelions ( <i>Taraxacum</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.9	7
62	Are bacteriophage defence and virulence two sides of the same coin in <i>Campylobacter jejuni</i> ? <i>Biochemical Society Transactions</i> , 2013, 41, 1475-1481.	1.6	6
63	Active Human and Porcine Serum Induce Competence for Genetic Transformation in the Emerging Zoonotic Pathogen <i>Streptococcus suis</i> . <i>Pathogens</i> , 2021, 10, 156.	1.2	5
64	KREAP: an automated Galaxy platform to quantify in vitro re-epithelialization kinetics. <i>GigaScience</i> , 2018, 7, .	3.3	3
65	Genomics of plant-associated microbes. <i>Microbial Biotechnology</i> , 2009, 2, 406-411.	2.0	1
66	Draft Genome Sequence of <i>Streptococcus suis</i> S10, a Virulent Strain Used in Experimental Pig Infections. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	1