Jos P M Van Putten

List of Publications by Year
in descending order

123	6,540	53794 45	74163 75
papers	citations	h-index	g-index

126	126	126	6469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Capsule phase variation in Neisseria meningitidis serogroup B by slipped-strand mispairing in the polysialyltransferase gene (siaD): correlation with bacterial invasion and the outbreak of meningococcal disease. Molecular Microbiology, 1996, 20, 1211-1220.	2.5	244
2	Interaction of two variable proteins (PilE and PilC) required for pilus-mediated adherence of Neisseria gonorrhoeae to human epithelial cells. Molecular Microbiology, 1992, 6, 3439-3450.	2.5	211
3	Phase variation of H. influenzae fimbriae: Transcriptional control of two divergent genes through a variable combined promoter region. Cell, 1993, 73, 1187-1196.	28.9	204
4	Chicken TLR21 Is an Innate CpG DNA Receptor Distinct from Mammalian TLR9. Journal of Immunology, 2010, 185, 460-467.	0.8	195
5	Transmembrane Mucins: Signaling Receptors at the Intersection of Inflammation and Cancer. Journal of Innate Immunity, 2017, 9, 281-299.	3.8	188
6	Generation of Campylobacter jejuni genetic diversity in vivo. Molecular Microbiology, 2002, 44, 351-359.	2.5	150
7	Unique Properties of the Chicken TLR4/MD-2 Complex: Selective Lipopolysaccharide Activation of the MyD88-Dependent Pathway. Journal of Immunology, 2008, 181, 4354-4362.	0.8	149
8	Immunity to Campylobacter: its role in risk assessment and epidemiology. Critical Reviews in Microbiology, 2009, 35, 1-22.	6.1	149
9	Entry of OpaA+gonococci into HEpâ€2 cells requires concerted action of glycosaminoglycans, fibronectin and integrin receptors. Molecular Microbiology, 1998, 29, 369-379.	2.5	142
10	Contribution of genes from the capsule gene complex (cps) to lipooligosaccharide biosynthesis and serum resistance in Neisseria meningitidis. Molecular Microbiology, 1994, 11, 885-896.	2.5	140
11	Toll-like receptors 1 and 2 cooperatively mediate immune responses to curli, a common amyloid from enterobacterial biofilms. Cellular Microbiology, 2010, 12, 1495-1505.	2.1	138
12	Unique features of chicken Toll-like receptors. Developmental and Comparative Immunology, 2013, 41, 316-323.	2.3	129
13	Campylobacter fetus Infections in Humans: Exposure and Disease. Clinical Infectious Diseases, 2014, 58, 1579-1586.	5.8	129
14	Genetic Basis for the Structural Difference between Streptococcus pneumoniae Serotype 15B and 15C Capsular Polysaccharides. Infection and Immunity, 2003, 71, 6192-6198.	2.2	127
15	The FlgS/FlgR Two-component Signal Transduction System Regulates the fla Regulon in Campylobacter jejuni. Journal of Biological Chemistry, 2004, 279, 16214-16222.	3.4	124
16	Neisseria meningitidisproducing the Opc adhesin binds epithelial cell proteoglycan receptors. Molecular Microbiology, 1998, 27, 1203-1212.	2.5	117
17	Functional characterization of chicken TLR5 reveals species-specific recognition of flagellin. Molecular Immunology, 2008, 45, 1298-1307.	2.2	108
18	Redirection of Epithelial Immune Responses by Short-Chain Fatty Acids through Inhibition of Histone Deacetylases. Frontiers in Immunology, 2015, 6, 554.	4.8	107

#	Article	IF	Citations
19	The Central Leucine-Rich Repeat Region of Chicken TLR16 Dictates Unique Ligand Specificity and Species-Specific Interaction with TLR2. Journal of Immunology, 2007, 178, 7110-7119.	0.8	105
20	Activation of Human and Chicken Toll-Like Receptors by Campylobacter spp. Infection and Immunity, 2010, 78, 1229-1238.	2.2	102
21	A conserved set of pilinâ€like molecules controls type IV pilus dynamics and organelleâ€associated functions in Neisseria gonorrhoeae. Molecular Microbiology, 2005, 56, 903-917.	2.5	99
22	Gonococcal Invasion of Epithelial Cells Driven by P.IA, a Bacterial Ion Channel with GTP Binding Properties. Journal of Experimental Medicine, 1998, 188, 941-952.	8.5	93
23	Cleavage and activation of a Toll-like receptor by microbial proteases. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4968-4973.	7.1	91
24	N-glycosylated proteins and distinct lipooligosaccharide glycoforms ofCampylobacter jejunitarget the human C-type lectin receptor MGL. Cellular Microbiology, 2009, 11, 1768-1781.	2.1	89
25	Vaccination of chickens against Campylobacter. Vaccine, 2007, 25, 5548-5557.	3.8	88
26	Identification of a Functional Type VI Secretion System in Campylobacter jejuni Conferring Capsule Polysaccharide Sensitive Cytotoxicity. PLoS Pathogens, 2013, 9, e1003393.	4.7	88
27	The fimbrial gene cluster of Haemophilus influenzae type b. Molecular Microbiology, 1994, 13, 673-684.	2.5	87
28	Clonal Nature of Campylobacter fetus as Defined by Multilocus Sequence Typing. Journal of Clinical Microbiology, 2005, 43, 5888-5898.	3.9	79
29	Differential Activation of Human and Mouse Toll-Like Receptor 4 by the Adjuvant Candidate LpxL1 ofNeisseria meningitidis. Infection and Immunity, 2008, 76, 3801-3807.	2.2	77
30	The role of galE in the biosynthesis and function of gonococcal lipopolysaccharide. Molecular Microbiology, 1993, 8, 891-901.	2.5	75
31	Neisseria meningitidis expressing lgtB lipopolysaccharide targets DC-SIGN and modulates dendritic cell function. Cellular Microbiology, 2006, 8, 316-325.	2.1	74
32	Variation of Neisseria gonorrhoeae Lipooligosaccharide Directs Dendritic Cellâ€“Induced T Helper Responses. PLoS Pathogens, 2009, 5, e1000625.	4.7	72
33	Molecular mechanisms and implications for infection of lipopolysaccharide variation in Neisseria. Molecular Microbiology, 1995, 16, 847-853.	2.5	71
34	Naturally Occurring Lipid A Mutants in Neisseria meningitidis from Patients with Invasive Meningococcal Disease Are Associated with Reduced Coagulopathy. PLoS Pathogens, 2009, 5, e1000396.	4.7	71
35	Defensive Properties of Mucin Glycoproteins during Respiratory Infectionsâ€”Relevance for SARS-CoV-2. MBio, 2020, 11, .	4.1	70
36	TroA of Streptococcus suis Is Required for Manganese Acquisition and Full Virulence. Journal of Bacteriology, 2011, 193, 5073-5080.	2.2	64

#	Article	IF	Citations
37	Ligand-induced differential cross-regulation of Toll-like receptors 2, 4 and 5 in intestinal epithelial cells. Molecular Immunology, 2007, 44, 3702-3714.	2.2	61
38	The Campylobacter jejuni PhosS/PhosR operon represents a non-classical phosphate-sensitive two-component system. Molecular Microbiology, 2006, 62, 278-291.	2.5	59
39	The Natural Antimicrobial Carvacrol Inhibits Campylobacter jejuni Motility and Infection of Epithelial Cells. PLoS ONE, 2012, 7, e45343.	2.5	58
40	Duplicated TLR5 of zebrafish functions as a heterodimeric receptor. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3221-E3229.	7.1	54
41	Expression patterns and role of the CadF protein inCampylobacter jejuniandCampylobacter coli. FEMS Microbiology Letters, 2007, 274, 9-16.	1.8	51
42	Molecular Mechanisms of Campylobacter Infection. Current Topics in Microbiology and Immunology, 2009, 337, 197-229.	1.1	50
43	Gonococcal rfaF mutants express Rd2chemotype LPS and do not enter epithelial host cells. Molecular Microbiology, 1995, 15, 267-275.	2.5	49
44	Function of Neisserial Outer Membrane Phospholipase A in Autolysis and Assessment of Its Vaccine Potential. Infection and Immunity, 2005, 73, 2222-2231.	2.2	49
45	A DNase Encoded by Integrated Element CJIE1 Inhibits Natural Transformation of Campylobacter jejuni. Journal of Bacteriology, 2009, 191, 2296-2306.	2.2	49
46	Reconstitution of a Functional Toll-like Receptor 5 Binding Site in Campylobacter jejuni Flagellin. Journal of Biological Chemistry, 2010, 285, 12149-12158.	3.4	49
47	MUC1 is a receptor for the Salmonella SiiE adhesin that enables apical invasion into enterocytes. PLoS Pathogens, 2019, 15, e1007566.	4.7	47
48	Altered Linkage of Hydroxyacyl Chains in Lipid A of Campylobacter jejuni Reduces TLR4 Activation and Antimicrobial Resistance. Journal of Biological Chemistry, 2010, 285, 15828-15836.	3.4	46
49	Meningococcal Outer Membrane Vesicle Composition-Dependent Activation of the Innate Immune Response. Infection and Immunity, 2016, 84, 3024-3033.	2.2	45
50	Measurements of invasion by antibody labeling and electron microscopy. Methods in Enzymology, 1994, 236, 420-437.	1.0	44
51	CD14 Protein Acts as an Adaptor Molecule for the Immune Recognition of Salmonella Curli Fibers. Journal of Biological Chemistry, 2013, 288, 14178-14188.	3.4	44
52	Substitutions in the N-terminal alpha helical spine of Neisseria gonorrhoeae pilin affect Type IV pilus assembly, dynamics and associated functions. Molecular Microbiology, 2007, 63, 69-85.	2.5	43
53	Temperatureâ€dependent FlgM/FliA complex formation regulates Campylobacter jejuni flagella length. Molecular Microbiology, 2010, 75, 1577-1591.	2.5	43
54	Reptile Toll-like receptor 5 unveils adaptive evolution of bacterial flagellin recognition. Scientific Reports, 2016, 6, 19046.	3.3	42

#	Article	IF	Citations
55	Identification of Allobaculum mucolyticum as a novel human intestinal mucin degrader. Gut Microbes, 2021, 13, 1966278.	9.8	42
56	Active migration into the subcellular space precedes Campylobacter jejuni invasion of epithelial cells. Cellular Microbiology, 2007, 10, 070725190509002-???.	2.1	41
57	Streptococcal Erythrogenic Toxin B Abrogates Fibronectin-Dependent Internalization of Streptococcus pyogenes by Cultured Mammalian Cells. Infection and Immunity, 2000, 68, 3226-3232.	2.2	40
58	Amplified fragment length polymorphism based identification of genetic markers and novel PCR assay for differentiation of Campylobacter fetus subspecies. Journal of Medical Microbiology, 2005, 54, 1217-1224.	1.8	40
59	A functional Campylobacter jejuni maf4 gene results in novel glycoforms on flagellin and altered autoagglutination behaviour. Microbiology (United Kingdom), 2008, 154, 3385-3397.	1.8	40
60	Nucleases Encoded by the Integrated Elements CJIE2 and CJIE4 Inhibit Natural Transformation of Campylobacter jejuni. Journal of Bacteriology, 2010, 192, 936-941.	2.2	40
61	Differential Effect of TLR2 and TLR4 on the Immune Response after Immunization with a Vaccine against Neisseria meningitidis or Bordetella pertussis. PLoS ONE, 2010, 5, e15692.	2.5	39
62	Lgt Processing Is an Essential Step in Streptococcus suis Lipoprotein Mediated Innate Immune Activation. PLoS ONE, 2011, 6, e22299.	2.5	38
63	Phloretin - an uncoupler and an inhibitor of mitochondrial oxidative phosphorylation. Biochimica Et Biophysica Acta - Bioenergetics, 1983, 722, 219-225.	1.0	37
64	Host Cell Contact-Induced Transcription of the Type IV Fimbria Gene Cluster of Actinobacillus pleuropneumoniae. Infection and Immunity, 2004, 72, 691-700.	2.2	37
65	Functional analysis of a Campylobacter jejuni alkaline phosphatase secreted via the Tat export machinery. Microbiology (United Kingdom), 2008, 154, 584-592.	1.8	37
66	Basolateral Invasion and Trafficking of Campylobacter jejuni in Polarized Epithelial Cells. PLoS ONE, 2013, 8, e54759.	2.5	36
67	Modulation of Gonococcal Piliation by Regulatable Transcription of pilE. Journal of Bacteriology, 2001, 183, 1600-1609.	2.2	35
68	Organization and characterization of the capsule biosynthesis locus of Streptococcus pneumoniae serotype 9V The GenBank accession number for the sequence reported in this paper is AF402095.. Microbiology (United Kingdom), 2002, 148, 1747-1755.	1.8	35
69	Functional Characterization of Excision Repair and RecA-Dependent Recombinational DNA Repair in Campylobacter jejuni. Journal of Bacteriology, 2009, 191, 3785-3793.	2.2	34
70	Codon-usage based regulation of colicin K synthesis by the stress alarmone ppGpp. Molecular Microbiology, 2001, 41, 207-216.	2.5	33
71	Structural alterations in a type IV pilus subunit protein result in concurrent defects in multicellular behaviour and adherence to host tissue. Molecular Microbiology, 2001, 42, 293-307.	2.5	33
72	Identification of Genes Affecting Salmonella enterica Serovar Enteritidis Infection of Chicken Macrophages. Infection and Immunity, 2002, 70, 5319-5321.	2.2	32

#	Article	IF	Citations
73	The Cyclic AMP-Cyclic AMP Receptor Protein Complex Regulates Activity of the traJ Promoter of the Escherichia coli Conjugative Plasmid pRK100. Journal of Bacteriology, 2003, 185, 1616-1623.	2.2	32
74	Heterogeneity in expression of the Escherichia coli colicin K activity gene cka is controlled by the SOS system and stochastic factors. Molecular Genetics and Genomics, 2007, 277, 391-401.	2.1	31
75	Antimicrobial Activities of Alginate and Chitosan Oligosaccharides Against Staphylococcus aureus and Group B Streptococcus. Frontiers in Microbiology, 2021, 12, 700605.	3.5	31
76	Host cell binding of the flagellar tip protein ofCampylobacterÂjejuni. Cellular Microbiology, 2017, 19, e12714.	2.1	29
77	Pseudomonas aeruginosa Type IV Pilus Expression in Neisseria gonorrhoeae: Effects of Pilin Subunit Composition on Function and Organelle Dynamics. Journal of Bacteriology, 2007, 189, 6676-6685.	2.2	28
78	Differential activation of the Toll-like receptor 2/6 complex by lipoproteins of Streptococcus suis serotypes 2 and 9. Veterinary Microbiology, 2010, 143, 363-370.	1.9	28
79	Inflammasome Activation by Campylobacterâ€ˆjejuni. Journal of Immunology, 2014, 193, 4548-4557.	0.8	27
80	Modulating endotoxin activity by combinatorial bioengineering of meningococcal lipopolysaccharide. Scientific Reports, 2016, 6, 36575.	3.3	27
81	The <scp>C</scp>ampylobacter jejuniâ€…<scp>RacRS</scp> system regulates fumarate utilization in a low oxygen environment. Environmental Microbiology, 2015, 17, 1049-1064.	3.8	26
82	Growth Phase-Dependent Activation of the DccRS Regulon of Campylobacter jejuni. Journal of Bacteriology, 2010, 192, 2729-2736.	2.2	23
83	Generation of the membrane potential and its impact on the motility, ATP production and growth inCampylobacter jejuni. Molecular Microbiology, 2017, 105, 637-651.	2.5	22
84	Feedback control of Campylobacter jejuni flagellin levels through reciprocal binding of FliW to flagellin and the global regulator CsrA. Molecular Microbiology, 2016, 102, 207-220.	2.5	21
85	The Campylobacter jejuni RacRS two-component system activates the glutamate synthesis by directly upregulating ÃŽÂ³-glutamyltranspeptidase (GGT). Frontiers in Microbiology, 2015, 6, 567.	3.5	20
86	Expression of the Gene for Autotransporter AutB of Neisseria meningitidis Affects Biofilm Formation and Epithelial Transmigration. Frontiers in Cellular and Infection Microbiology, 2016, 6, 162.	3.9	20
87	The ALPK1 pathway drives the inflammatory response to Campylobacter jejuni in human intestinal epithelial cells. PLoS Pathogens, 2021, 17, e1009787.	4.7	20
88	Functional and Bioinformatics Analysis of Two Campylobacter jejuni Homologs of the Thiol-Disulfide Oxidoreductase, DsbA. PLoS ONE, 2014, 9, e106247.	2.5	20
89	Chicken Immune Response after In Ovo Immunization with Chimeric TLR5 Activating Flagellin of Campylobacter jejuni. PLoS ONE, 2016, 11, e0164837.	2.5	20
90	Function and Regulation of the C4-Dicarboxylate Transporters in Campylobacter jejuni. Frontiers in Microbiology, 2017, 8, 174.	3.5	19

#	Article	IF	Citations
91	Activation of Human NK Cells by Bordetella pertussis Requires Inflammasome Activation in Macrophages. Frontiers in Immunology, 2019, 10, 2030.	4.8	19
92	Lysozyme Resistance in Streptococcus suis Is Highly Variable and Multifactorial. PLoS ONE, 2012, 7, e36281.	2.5	18
93	Ultrastructural localization of gonococcal antigens in infected epithelial cells as visualized by post-embedding immuno-electronmicroscopy. Microbial Pathogenesis, 1988, 4, 213-222.	2.9	17
94	The Unique Phospholipidome of the Enteric Pathogen Campylobacter jejuni: Lysophosholipids Are Required for Motility at Low Oxygen Availability. Journal of Molecular Biology, 2020, 432, 5244-5258.	4.2	15
95	Identification of a thrombospondin-like immunodominant and phosphorylcholine-containing glycoprotein (GP300) in Dictyocaulus viviparus and related nematodes. Molecular and Biochemical Parasitology, 2009, 163, 85-94.	1.1	14
96	Expression of human CEACAM1 in transgenic mice limits the Opa-specific immune response against meningococcal outer membrane vesicles. Vaccine, 2013, 31, 5585-5593.	3.8	14
97	Identification of the origin of replications and partial characterization of plasmid pRK100. Plasmid, 2003, 50, 102-112.	1.4	13
98	Positively Selected Codons in Immune-Exposed Loops of the Vaccine Candidate OMP-P1 of Haemophilus influenzae. Journal of Molecular Evolution, 2007, 64, 411-422.	1.8	13
99	Invasive behavior ofCampylobacter jejuniin immunosuppressed chicken. Virulence, 2017, 8, 248-260.	4.4	13
100	Catabolite repression in Campylobacter jejuni correlates with intracellular succinate levels. Environmental Microbiology, 2018, 20, 1374-1388.	3.8	13
101	Construction of recombinant neisserial Hsp60 proteins and mapping of antigenic domains. Molecular Microbiology, 1995, 15, 277-285.	2.5	11
102	Characterization of Plasmid pOR1 from Ornithobacterium rhinotracheale and Construction of a Shuttle Plasmid. Applied and Environmental Microbiology, 2004, 70, 5853-5858.	3.1	11
103	Virulence functions and antigen variation in pathogenic Neisseriae. Antonie Van Leeuwenhoek, 1988, 54, 421-430.	1.7	10
104	Antibodies Elicited by the Bovine Lungworm,Dictyocaulus viviparus, Cross-React with Platelet-Activating Factor. Infection and Immunity, 2007, 75, 4456-4462.	2.2	10
105	An Ex Vivo Porcine Nasal Mucosa Explants Model to Study MRSA Colonization. PLoS ONE, 2013, 8, e53783.	2.5	10
106	CampylobacterDNA Is Present in Circulating Myelomonocytic Cells of Healthy Persons and in Persons with Guillainâ€BarrÃ© Syndrome. Journal of Infectious Diseases, 2002, 185, 262-265.	4.0	9
107	Evolutionary Regression and Species-Specific Codon Usage of TLR15. Frontiers in Immunology, 2018, 9, 2626.	4.8	9
108	Molecular epidemiology of Campylobacter fetus subsp. fetus on bovine artificial insemination stations using pulsed field gel electrophoresis. Veterinary Microbiology, 2006, 112, 65-71.	1.9	8

#	Article	IF	Citations
109	Campylobacter jejuni permeabilizes the host cell membrane by short chain lysophosphatidylethanolamines. Gut Microbes, 2022, 14, .	9.8	8
110	Mannheimia haemolytica and lipopolysaccharide induce airway epithelial inflammatory responses in an extensively developed ex vivo calf model. Scientific Reports, 2020, 10, 13042.	3.3	7
111	The Transmembrane Mucin MUC1 Facilitates Î²1-Integrin-Mediated Bacterial Invasion. MBio, 2021, 12, .	4.1	7
112	Characterization of the sulfonylurea-induced potentiation of the insulin response in cultured 3T3 adipocytes. Biochemical Pharmacology, 1986, 35, 2141-2144.	4.4	6
113	Unraveling bacterial interactions with Toll-like receptors. Immunology Letters, 2010, 128, 8-11.	2.5	6
114	Regulation of Genes in Campylobacter jejuni. , 2014, , 611-624.		6
115	The effects of 1-methyl-3-isobutylxanthine on insulin-sensitive 2-deoxyglucose transport. Biochimica Et Biophysica Acta - Molecular Cell Research, 1984, 803, 123-128.	4.1	5
116	Regulation of Energy Metabolism by the Extracytoplasmic Function (ECF) Ïƒ Factors of Arcobacter butzleri. PLoS ONE, 2012, 7, e44796.	2.5	5
117	Isolation, Identification, Subspecies Differentiation, and Typing ofCampylobacter fetus. , 0, , 213-225.		5
118	Naturally circulating pertactin-deficient Bordetella pertussis strains induce distinct gene expression and inflammatory signatures in human dendritic cells. Emerging Microbes and Infections, 2021, 10, 1358-1368.	6.5	5
119	Stimulatory and inhibitory effects of adrenaline and 8-bromo-cAMP on insulin-sensitive 2-deoxyglucose transport in rat adipocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1984, 803, 129-136.	4.1	4
120	Immunogold-Silver Staining and the Pathogenesis of Bacterial Infectious Diseases. Journal of Histotechnology, 1993, 16, 271-276.	0.5	2
121	Reply to Moran: Modification of Campylobacter jejuni Lipid A. Journal of Biological Chemistry, 2010, 285, le12.	3.4	1
122	Functional assay for shiga-like toxin via detection by antibody capture and multivalent galabiose binding. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 7448-7450.	2.2	1
123	Codon-usage based regulation of colicin K synthesis by the stress alarmone ppGpp. Molecular Microbiology, 2002, 42, 1385-1385.	2.5	0