Guus Roeselers

List of Publications by Year
in descending order

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51 papers	4,289 citations	218677 26 h-index	206112 48 g-index
52 all docs	52 docs citations	52 times ranked	7325 citing authors

#	Article	IF	Citations
1	Evidence for a core gut microbiota in the zebrafish. ISME Journal, 2011, 5, 1595-1608.	9.8	990
2	Differential Modulation by Akkermansia muciniphila and Faecalibacterium prausnitzii of Host Peripheral Lipid Metabolism and Histone Acetylation in Mouse Gut Organoids. MBio, 2014, 5, .	4.1	376
3	Postbiotics and Their Potential Applications in Early Life Nutrition and Beyond. International Journal of Molecular Sciences, 2019, 20, 4673.	4.1	310
4	The metagenome of the marine anammox bacterium â€˜Candidatus Scalindua profundaâ€™ illustrates the versatility of this globally important nitrogen cycle bacterium. Environmental Microbiology, 2013, 15, 1275-1289.	3.8	246
5	Phototrophic biofilms and their potential applications. Journal of Applied Phycology, 2008, 20, 227-235.	2.8	208
6	Diet-Derived Short Chain Fatty Acids Stimulate Intestinal Epithelial Cells To Induce Mucosal Tolerogenic Dendritic Cells. Journal of Immunology, 2017, 198, 2172-2181.	0.8	172
7	Phylogenetic and metabolic diversity of bacteria associated with cystic fibrosis. ISME Journal, 2011, 5, 20-29.	9.8	171
8	Deep Sequencing Analyses of Low Density Microbial Communities: Working at the Boundary of Accurate Microbiota Detection. PLoS ONE, 2012, 7, e32942.	2.5	160
9	Intestinal Fungal Dysbiosis Is Associated With Visceral Hypersensitivity in Patients With Irritable Bowel Syndrome and Rats. Gastroenterology, 2017, 153, 1026-1039.	1.3	160
10	Shaping the oral microbiota through intimate kissing. Microbiome, 2014, 2, 41.	11.1	147
11	Characterization of the Active Microbiotas Associated with Honey Bees Reveals Healthier and Broader Communities when Colonies are Genetically Diverse. PLoS ONE, 2012, 7, e32962.	2.5	143
12	Diversity of phototrophic bacteria in microbial mats from Arctic hot springs (Greenland). Environmental Microbiology, 2007, 9, 26-38.	3.8	120
13	Correlation network analysis reveals relationships between diet-induced changes in human gut microbiota and metabolic health. Nutrition and Diabetes, 2014, 4, e122-e122.	3.2	84
14	In Vitro Characterization of the Impact of Different Substrates on Metabolite Production, Energy Extraction and Composition of Gut Microbiota from Lean and Obese Subjects. PLoS ONE, 2014, 9, e113864.	2.5	82
15	Microbial biogeography of drinking water: patterns in phylogenetic diversity across space and time. Environmental Microbiology, 2015, 17, 2505-2514.	3.8	81
16	Heterotrophic Pioneers Facilitate Phototrophic Biofilm Development. Microbial Ecology, 2007, 54, 578-585.	2.8	79
17	On the evolutionary ecology of symbioses between chemosynthetic bacteria and bivalves. Applied Microbiology and Biotechnology, 2012, 94, 1-10.	3.6	62
18	Rapid and reliable discrimination between Shigella species and Escherichia coli using MALDI-TOF mass spectrometry. International Journal of Medical Microbiology, 2015, 305, 446-452.	3.6	59

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19	Dynamics of the Microbiota in Response to Host Infection. PLoS ONE, 2014, 9, e95534.	2.5	52
20	Prebiotic effects of cassava bagasse in TNO's in vitro model of the colon in lean versus obese microbiota. Journal of Functional Foods, 2014, 11, 210-220.	3.4	48
21	On the reproducibility of microcosm experiments Ã¢Â€Â“ different community composition in parallel phototrophic biofilm microcosms. FEMS Microbiology Ecology, 2006, 58, 169-178.	2.7	44
22	The effect of training set on the classification of honey bee gut microbiota using the NaÃ¯ve Bayesian Classifier. BMC Microbiology, 2012, 12, 221.	3.3	44
23	Abiotic and Microbiotic Factors Controlling Biofilm Formation by Thermophilic Sporeformers. Applied and Environmental Microbiology, 2013, 79, 5652-5660.	3.1	43
24	Determinants of postprandial plasma bile acid kinetics in human volunteers. American Journal of Physiology - Renal Physiology, 2017, 313, G300-G312.	3.4	38
25	ExÂvivo systems to study hostâ€“microbiota interactions in the gastrointestinal tract. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2013, 27, 101-113.	2.4	35
26	The Bifidogenic Effect Revisitedâ€”Ecology and Health Perspectives of Bifidobacterial Colonization in Early Life. Microorganisms, 2020, 8, 1855.	3.6	31
27	Fermented infant formula (with Bifidobacterium breve C50 and Streptococcus thermophilus O65) with prebiotic oligosaccharides is safe and modulates the gut microbiota towards a microbiota closer to that of breastfed infants. Clinical Nutrition, 2021, 40, 778-787.	5.0	29
28	The genome of the intracellular bacterium of the coastal bivalve, Solemya velum: a blueprint for thriving in and out of symbiosis. BMC Genomics, 2014, 15, 924.	2.8	26
29	A specific synbiotic-containing amino acid-based formula restores gut microbiota in non-IgE mediated cowâ€™s milk allergic infants: a randomized controlled trial. Clinical and Translational Allergy, 2019, 9, 27.	3.2	24
30	Amplicon sequencing for the quantification of spoilage microbiota in complex foods including bacterial spores. Microbiome, 2015, 3, 30.	11.1	21
31	Microbial phytase-induced calcium-phosphate precipitation â€” a potential soil stabilization method. Folia Microbiologica, 2010, 55, 621-624.	2.3	19
32	Impact of synbiotics on gut microbiota during early life: a randomized, double-blind study. Scientific Reports, 2021, 11, 3534.	3.3	19
33	Influence of timing of maternal antibiotic administration during caesarean section on infant microbial colonisation: a randomised controlled trial. Gut, 2022, 71, 1803-1811.	12.1	19
34	Complete genome sequence of Candidatus Ruthia magnifica. Standards in Genomic Sciences, 2010, 3, 163-173.	1.5	18
35	The human gastrointestinal microbiotaâ€”An unexplored frontier for pharmaceutical discovery. Pharmacological Research, 2012, 66, 443-447.	7.1	18
36	Genome, Environment, Microbiome and Metabolome in Autism (GEMMA) Study Design: Biomarkers Identification for Precision Treatment and Primary Prevention of Autism Spectrum Disorders by an Integrated Multi-Omics Systems Biology Approach. Brain Sciences, 2020, 10, 743.	2.3	17

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37	Development of a PCR for the detection and identification of cyanobacterial nifD genes. Journal of Microbiological Methods, 2007, 70, 550-556.	1.6	15
38	A survey of indicator parameters to monitor regrowth in unchlorinated drinking water. Environmental Science: Water Research and Technology, 2016, 2, 683-692.	2.4	15
39	Indigenous Infection withFrancisella tularensis holarcticain The Netherlands. Case Reports in Infectious Diseases, 2013, 2013, 1-3.	0.5	12
40	Phylogenetic Characterization of Episymbiotic Bacteria Hosted by a Hydrothermal Vent Limpet (Lepetodrilidae, Vetigastropoda). Biological Bulletin, 2011, 220, 118-127.	1.8	8
41	The human gut microbiome, diet, and health: â€œPost hoc non ergo propter hocâ€• Trends in Food Science and Technology, 2016, 57, 302-305.	15.1	7
42	The influence of timing of Maternal administration of Antibiotics during cesarean section on the intestinal Microbial colonization in Infants (MAMI-trial): study protocol for a randomised controlled trial. Trials, 2019, 20, 479.	1.6	7
43	Early-life fecal microbiome and metabolome dynamics in response to an intervention with infant formula containing specific prebiotics and postbiotics. American Journal of Physiology - Renal Physiology, 2022, 322, G571-G582.	3.4	7
44	Diversity and expression of cyanobacterial hupS genes in pure cultures and in a nitrogen-limited phototrophic biofilm. FEMS Microbiology Ecology, 2008, 63, 292-300.	2.7	5
45	Draft genome sequence of Francisella tularensis subsp. holarctica BD11-00177. Standards in Genomic Sciences, 2013, 8, 539-547.	1.5	5
46	Intestinal Crypt Organoids as Experimental Models. , 2015, , 245-253.		5
47	The fungal composition of natural biofinishes on oil-treated wood. Fungal Biology and Biotechnology, 2017, 4, 2.	5.1	4
48	Gut Microbiota of Young Children Living in Four Brazilian Cities. Frontiers in Pediatrics, 2020, 8, 573815.	1.9	2
49	Alterations in the Stool Microbiome in Newborns Undergoing Mild Therapeutic Hypothermia after Hypoxic-Ischemic Encephalopathy. Developmental Neuroscience, 2022, 44, 373-383.	2.0	2
50	Fecal Transplantation and Mycobiome Analysis Showing the Relevance of Fungi in Post Stress Visceral Hypersensitivity of Maternal Separated Rats. Gastroenterology, 2017, 152, S160.	1.3	0
51	The Influence of Timing of Maternal Administration of Antibiotics During Caesarean Section on the Intestinal Microbial Colonization in Infants (MAMI-Trial): A Randomized Controlled Trial. SSRN Electronic Journal, 0, , .	0.4	0