Tom Van de Wiele

List of Publications by Year in Descending Order

257 papers	14,853 citations	61 h-index	114 g-index
277 ext. papers	17,681 ext. citations	5.8 avg, IF	6.53 L-index

#	Paper	IF	Citations
257	Lentils and Yeast Fibers: A New Strategy to Mitigate Enterotoxigenic Escherichia coli (ETEC) Strain H10407 Virulence?. *Nutrients*, **2022**, 14, 2146	6.7	
256	Gut microbiota metabolize arsenolipids in a donor dependent way. *Ecotoxicology and Environmental Safety*, **2022**, 239, 113662	7	0
255	Starch Microspheres Entrapped with Chitosan Delay Fecal Fermentation and Regulate Human Gut Microbiota Composition. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 12323-12332	5.7	3
254	Versatile human in vitro triple coculture model coincubated with adhered gut microbes reproducibly mimics pro-inflammatory host-microbe interactions in the colon. *FASEB Journal*, **2021**, 35, e21992	0.9	1
253	Low microbial biomass within the reproductive tract of mid-lactation dairy cows: A study approach. *Journal of Dairy Science*, **2021**, 104, 6159-6174	4	2
252	Weaning-associated feed deprivation stress causes microbiota disruptions in a novel mucin-containing in vitro model of the piglet colon (MPigut-IVM). *Journal of Animal Science and Biotechnology*, **2021**, 12, 75	6	1
251	Tripartite relationship between gut microbiota, intestinal mucus and dietary fibers: towards preventive strategies against enteric infections. *FEMS Microbiology Reviews*, **2021**, 45,	15.1	13
250	Assessment of bioaccessible and dialyzable fractions of nickel in food products and their impact on the chronic exposure of Belgian population to nickel. *Food Chemistry*, **2021**, 342, 128210	8.5	2
249	In vitro models of gut digestion across childhood: current developments, challenges and future trends. *Biotechnology Advances*, **2021**, 107796	17.8	3
248	Pathogen Challenge and Dietary Shift Alter Microbiota Composition and Activity in a Mucin-Associated Model of the Piglet Colon (MPigut-IVM) Simulating Weaning Transition. *Frontiers in Microbiology*, **2021**, 12, 703421	5.7	0
247	Ultra-high Pressure Treatment Controls Fecal Fermentation Rate of Insoluble Dietary Fiber from Tratt Pomace and Induces Butyrogenic Shifts in Microbiota Composition. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 10638-10647	5.7	2
246	Aberrant gut-microbiota-immune-brain axis development in premature neonates with brain damage. *Cell Host and Microbe*, **2021**, 29, 1558-1572.e6	23.4	17
245	Evaluation of Dietary Fiber Anti-Infectious Properties against Food-Borne Enterotoxigenic. *Nutrients*, **2021**, 13,	6.7	1
244	Gut microbiota as a driver of the interindividual variability of cardiometabolic effects from tea polyphenols. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-27	11.5	3
243	Efficacy and safety of spore-forming probiotics in the treatment of functional dyspepsia: a pilot randomised, double-blind, placebo-controlled trial. *The Lancet Gastroenterology and Hepatology*, **2021**, 6, 784-792	18.8	15
242	Multi-targeted properties of the probiotic CNCM I-3856 against enterotoxigenic (ETEC) H10407 pathogenesis across human gut models. *Gut Microbes*, **2021**, 13, 1953246	8.8	1
241	Oral and Gut Microbial Carbohydrate-Active Enzymes Landscape in Health and Disease.. *Frontiers in Microbiology*, **2021**, 12, 653448	5.7	2

240	Exploration of isoxanthohumol bioconversion from spent hops into 8-prenylnaringenin using resting cells of Eubacterium limosum. *AMB Express*, **2020**, 10, 79	4.1	2
239	Dietary Emulsifiers Alter Composition and Activity of the Human Gut Microbiota , Irrespective of Chemical or Natural Emulsifier Origin. *Frontiers in Microbiology*, **2020**, 11, 577474	5.7	8
238	Dose-Dependent Effects of Dietary Xylooligosaccharides Supplementation on Microbiota, Fermentation and Metabolism in Healthy Adult Cats. *Molecules*, **2020**, 25,	4.8	1
237	Lactobacilli Have a Niche in the Human Nose. *Cell Reports*, **2020**, 31, 107674	10.6	30
236	A prebiotic-enhanced lipid-based nutrient supplement (LNSp) increases Bifidobacterium relative abundance and enhances short-chain fatty acid production in simulated colonic microbiota from undernourished infants. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	2
235	Oral Microbiota Display Profound Differential Metabolic Kinetics and Community Shifts upon Incubation with Sucrose, Trehalose, Kojibiose, and Xylitol. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	3
234	Oral biofilms exposure to chlorhexidine results in altered microbial composition and metabolic profile. *Npj Biofilms and Microbiomes*, **2020**, 6, 13	8.2	27
233	Gut microbiota generation of protein-bound uremic toxins and related metabolites is not altered at different stages of chronic kidney disease. *Kidney International*, **2020**, 97, 1230-1242	9.9	63
232	Short-term supplementation of celecoxib-shifted butyrate production on a simulated model of the gut microbial ecosystem and ameliorated in vitro inflammation. *Npj Biofilms and Microbiomes*, **2020**, 6, 9	8.2	13
231	Supplementation of a propionate-producing consortium improves markers of insulin resistance in an in vitro model of gut-liver axis. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 318, E742-E749	6	13
230	Why interindividual variation in response to consumption of plant food bioactives matters for future personalised nutrition. *Proceedings of the Nutrition Society*, **2020**, 79, 225-235	2.9	16
229	Dual and Triple Epithelial Coculture Model Systems with Donor-Derived Microbiota and THP-1 Macrophages To Mimic Host-Microbe Interactions in the Human Sinonasal Cavities. *MSphere*, **2020**, 5,	5	10
228	Microbiome Metabolic Potency Towards Plant Bioactives and Consequences for Health Effects **2020**, 447-456		1
227	Microbial succession during wheat bran fermentation and colonisation by human faecal microbiota as a result of niche diversification. *ISME Journal*, **2020**, 14, 584-596	11.9	18
226	Gap analysis of nickel bioaccessibility and bioavailability in different food matrices and its impact on the nickel exposure assessment. *Food Research International*, **2020**, 129, 108866	7	10
225	Development and validation of the Simulator of the Canine Intestinal Microbial Ecosystem (SCIME)1. *Journal of Animal Science*, **2020**, 98,	0.7	8
224	Spatial and temporal modulation of enterotoxigenic E. coli H10407 pathogenesis and interplay with microbiota in human gut models. *BMC Biology*, **2020**, 18, 141	7.3	6
223	Past, Present, and Future of Gastrointestinal Microbiota Research in Cats. *Frontiers in Microbiology*, **2020**, 11, 1661	5.7	16

222	Lacticaseibacillus casei AMBR2 modulates the epithelial barrier function and immune response in a donor-derived nasal microbiota manner. *Scientific Reports*, **2020**, 10, 16939	4.9	7
221	Food processing, gut microbiota and the globesity problem. *Critical Reviews in Food Science and Nutrition*, **2020**, 60, 1769-1782	11.5	19
220	Mucin as a Functional Niche is a More Important Driver of Gut Microbiota Composition and Functionality than Supplementation of. *Applied and Environmental Microbiology*, **2020**,	4.8	3
219	Cell line-dependent increase in cellular quercetin accumulation upon stress induced by valinomycin and lipopolysaccharide, but not by TNF-*Food Research International*, **2019**, 125, 108596	7	3
218	Commensal E. coli rapidly transfer antibiotic resistance genes to human intestinal microbiota in the Mucosal Simulator of the Human Intestinal Microbial Ecosystem (M-SHIME). *International Journal of Food Microbiology*, **2019**, 311, 108357	5.8	24
217	Modification of wheat bran particle size and tissue composition affects colonisation and metabolism by human faecal microbiota. *Food and Function*, **2019**, 10, 379-396	6.1	16
216	Ranking soccer teams on the basis of their current strength: A comparison of maximum likelihood approaches. *Statistical Modelling*, **2019**, 19, 55-73	0.7	16
215	The response of five intestinal cell lines to anoxic conditions in vitro. *Biology of the Cell*, **2019**, 111, 232-244	3.5	4
214	Experimental models to study intestinal microbes-mucus interactions in health and disease. *FEMS Microbiology Reviews*, **2019**, 43, 457-489	15.1	58
213	Propionate-Producing Consortium Restores Antibiotic-Induced Dysbiosis in a Dynamic Model of the Human Intestinal Microbial Ecosystem. *Frontiers in Microbiology*, **2019**, 10, 1206	5.7	46
212	Gut microbiome patterns depending on children psychosocial stress: Reports versus biomarkers. *Brain, Behavior, and Immunity*, **2019**, 80, 751-762	16.6	25
211	The Safety and Tolerability of a Potential Alginate-Based Iron Chelator; Results of A Healthy Participant Study. *Nutrients*, **2019**, 11,	6.7	2
210	Wheat bran thermal treatment in a hot air oven does not affect the fermentation and colonisation process by human faecal microbiota. *Journal of Functional Foods*, **2019**, 60, 103440	5.1	1
209	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. *European Journal of Nutrition*, **2019**, 58, 65-73	5.2	6
208	Future prospects for dissecting inter-individual variability in the absorption, distribution and elimination of plant bioactives of relevance for cardiometabolic endpoints. *European Journal of Nutrition*, **2019**, 58, 21-36	5.2	19
207	A Listeria monocytogenes Bacteriocin Can Target the Commensal Prevotella copri and Modulate Intestinal Infection. *Cell Host and Microbe*, **2019**, 26, 691-701.e5	23.4	37
206	Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota. *Nutrients*, **2019**, 11,	6.7	17
205	Effects of Olive and Pomegranate By-Products on Human Microbiota: A Study Using the SHIME in Vitro Simulator. *Molecules*, **2019**, 24,	4.8	11

204	Isolation of wheat bran-colonizing and metabolizing species from the human fecal microbiota. *PeerJ*, **2019**, 7, e6293	3.1	7
203	Microbiome Metabolic Potency Towards Plant Bioactives and Consequences for Health Effects **2019**, 1-10		
202	Development of a host-microbiome model of the small intestine. *FASEB Journal*, **2019**, 33, 3985-3996	0.9	13
201	Impact of Cross-Contamination Concentrations of Doxycycline Hyclate on the Microbial Ecosystem in an Ex Vivo Model of the Pig's Cecum. *Microbial Drug Resistance*, **2019**, 25, 304-315	2.9	1
200	Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo. *Journal of Nutritional Biochemistry*, **2018**, 59, 160-172	6.3	48
199	Oral microbiota reduce wound healing capacity of epithelial monolayers, irrespective of the presence of 5-fluorouracil. *Experimental Biology and Medicine*, **2018**, 243, 350-360	3.7	7
198	Particle size determines the anti-inflammatory effect of wheat bran in a model of fructose over-consumption: Implication of the gut microbiota. *Journal of Functional Foods*, **2018**, 41, 155-162	5.1	19
197	Reinforcement of intestinal epithelial barrier by arabinoxylans in overweight and obese subjects: A randomized controlled trial: Arabinoxylans in gut barrier. *Clinical Nutrition*, **2018**, 37, 471-480	5.9	32
196	Assessing the Viability of a Synthetic Bacterial Consortium on the In Vitro Gut Host-microbe Interface. *Journal of Visualized Experiments*, **2018**,	1.6	2
195	Modelling upper respiratory tract diseases: getting grips on host-microbe interactions in chronic rhinosinusitis using in vitro technologies. *Microbiome*, **2018**, 6, 75	16.6	13
194	Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community. *Environmental Microbiology*, **2018**, 20, 3406-3426	5.2	22
193	Biopolymer-Based Minimal Formulations Boost Viability and Metabolic Functionality of Probiotics Lactobacillus rhamnosus GG through Gastrointestinal Passage. *Langmuir*, **2018**, 34, 11167-11175	4	12
192	Characterization of Cefotaxime- and Ciprofloxacin-Resistant Commensal Escherichia coli Originating from Belgian Farm Animals Indicates High Antibiotic Resistance Transfer Rates. *Microbial Drug Resistance*, **2018**, 24, 707-717	2.9	14
191	Impact of breed on the rumen microbial community composition and methane emission of Holstein Friesian and Belgian Blue heifers. *Livestock Science*, **2018**, 207, 38-44	1.7	15
190	Salivary and Gut Microbiomes Play a Significant Role in in Vitro Oral Bioaccessibility, Biotransformation, and Intestinal Absorption of Arsenic from Food. *Environmental Science & Technology*, **2018**, 52, 14422-14435	10.3	26
189	Cow responses and evolution of the rumen bacterial and methanogen community following a complete rumen content transfer. *Journal of Agricultural Science*, **2018**, 156, 1047-1058	1	2
188	Resolving host-microbe interactions in the gut: the promise of in vitro models to complement in vivo research. *Current Opinion in Microbiology*, **2018**, 44, 28-33	7.9	11
187	Comparison of conventional plating, PMA-qPCR, and flow cytometry for the determination of viable enterotoxigenic Escherichia coli along a gastrointestinal in vitro model. *Applied Microbiology and Biotechnology*, **2018**, 102, 9793-9802	5.7	11

186	Mucin degradation niche as a driver of microbiome composition and Akkermansia muciniphila abundance in a dynamic gut model is donor independent. *FEMS Microbiology Ecology*, **2018**, 94,	4.3	30
185	Aronia (Aronia melanocarpa) Polyphenols Modulate the Microbial Community in a Simulator of the Human Intestinal Microbial Ecosystem (SHIME) and Decrease Secretion of Proinflammatory Markers in a Caco-2/endothelial Cell Coculture Model. *Molecular Nutrition and Food Research*, **2018**, 62, e1800607	5.9	23
184	Anti-infectious properties of the probiotic Saccharomyces cerevisiae CNCM I-3856 on enterotoxigenic E. coli (ETEC) strain H10407. *Applied Microbiology and Biotechnology*, **2018**, 102, 6175-6189	3.7	24
183	Chronic rhinosinusitis with nasal polyps is characterized by dysbacteriosis of the nasal microbiota. *Scientific Reports*, **2018**, 8, 7926	4.9	40
182	Bioaccessibility of selenium from cooked rice as determined in a simulator of the human intestinal tract (SHIME). *Journal of the Science of Food and Agriculture*, **2017**, 97, 3540-3545	4.3	22
181	Ursodeoxycholic Acid and Its Taurine- or Glycine-Conjugated Species Reduce Colitogenic Dysbiosis and Equally Suppress Experimental Colitis in Mice. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	52
180	Long chain arabinoxylans shift the mucosa-associated microbiota in the proximal colon of the simulator of the human intestinal microbial ecosystem (M-SHIME). *Journal of Functional Foods*, **2017**, 32, 226-237	5.1	18
179	Arsenic Release from Foodstuffs upon Food Preparation. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 2443-2453	5.7	22
178	Towards a bacterial treatment for armpit malodour. *Experimental Dermatology*, **2017**, 26, 388-391	4	26
177	Inter-individual differences determine the outcome of wheat bran colonization by the human gut microbiome. *Environmental Microbiology*, **2017**, 19, 3251-3267	5.2	55
176	Chronic Psychosocial Stress and Gut Health in Children: Associations With Calprotectin and Fecal Short-Chain Fatty Acids. *Psychosomatic Medicine*, **2017**, 79, 927-935	3.7	23
175	Gut Microbiota Dysbiosis in Postweaning Piglets: Understanding the Keys to Health. *Trends in Microbiology*, **2017**, 25, 851-873	12.4	285
174	Dietary emulsifiers directly alter human microbiota composition and gene expression ex vivo potentiating intestinal inflammation. *Gut*, **2017**, 66, 1414-1427	19.2	248
173	Foodborne enterotoxigenic Escherichia coli: from gut pathogenesis to new preventive strategies involving probiotics. *Future Microbiology*, **2017**, 12, 73-93	2.9	15
172	The response of canine faecal microbiota to increased dietary protein is influenced by body condition. *BMC Veterinary Research*, **2017**, 13, 374	2.7	16
171	Butyrate-producing bacteria supplemented in vitro to Crohn's disease patient microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. *Scientific Reports*, **2017**, 7, 11450	4.9	203
170	In vitro colonisation of the distal colon by Akkermansia muciniphila is largely mucin and pH dependent. *Beneficial Microbes*, **2017**, 8, 81-96	4.9	41
169	Original behavior of L. rhamnosus GG encapsulated in freeze-dried alginate-silica microparticles revealed under simulated gastrointestinal conditions. *Journal of Materials Chemistry B*, **2017**, 5, 7839-7847	7.3	8

168	Biocatalytic Synthesis of the Rare Sugar Kojibiose: Process Scale-Up and Application Testing. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 6030-6041	5.7	30
167	Reduced Mucosa-associated Butyricicoccus Activity in Patients with Ulcerative Colitis Correlates with Aberrant Claudin-1 Expression. *Journal of Crohn's and Colitis*, **2017**, 11, 229-236	1.5	50
166	High-fiber and high-protein diets shape different gut microbial communities, which ecologically behave similarly under stress conditions, as shown in a gastrointestinal simulator. *Molecular Nutrition and Food Research*, **2017**, 61, 1600150	5.9	21
165	Addressing the inter-individual variation in response to consumption of plant food bioactives: Towards a better understanding of their role in healthy aging and cardiometabolic risk reduction. *Molecular Nutrition and Food Research*, **2017**, 61, 1600557	5.9	127
164	Mucosa-associated biohydrogenating microbes protect the simulated colon microbiome from stress associated with high concentrations of poly-unsaturated fat. *Environmental Microbiology*, **2017**, 19, 722-739	5.2	15
163	Emerging Trends in "Smart Probiotics": Functional Consideration for the Development of Novel Health and Industrial Applications. *Frontiers in Microbiology*, **2017**, 8, 1889	5.7	97
162	5-Fluorouracil and irinotecan (SN-38) have limited impact on colon microbial functionality and composition. *PeerJ*, **2017**, 5, e4017	3.1	10
161	Exploring the methanogen and bacterial communities of rumen environments: solid adherent, fluid and epimural. *FEMS Microbiology Ecology*, **2017**, 93,	4.3	34
160	Selenium bioaccessibility in stomach, small intestine and colon: Comparison between pure Se compounds, Se-enriched food crops and food supplements. *Food Chemistry*, **2016**, 197, 382-7	8.5	56
159	Low-dose irradiation affects the functional behavior of oral microbiota in the context of mucositis. *Experimental Biology and Medicine*, **2016**, 241, 60-70	3.7	17
158	Increased EHEC survival and virulence gene expression indicate an enhanced pathogenicity upon simulated pediatric gastrointestinal conditions. *Pediatric Research*, **2016**, 80, 734-743	3.2	20
157	Arabinoxylans, inulin and 1063 repress the adherent-invasive from mucus in a mucosa-comprising gut model. *Npj Biofilms and Microbiomes*, **2016**, 2, 16016	8.2	27
156	FRT - FONDATION RENE TOURAINE: An International Foundation For Dermatology. *Experimental Dermatology*, **2016**, 25, 917-932	4	
155	Does canine inflammatory bowel disease influence gut microbial profile and host metabolism?. *BMC Veterinary Research*, **2016**, 12, 114	2.7	28
154	How the microbiota shapes rheumatic diseases. *Nature Reviews Rheumatology*, **2016**, 12, 398-411	8.1	88
153	Flow Cytometric Method for the Detection of Flavonoids in Cell Lines. *Journal of Biomolecular Screening*, **2016**, 21, 858-65		10
152	Bioaccessibility of Polyphenols from Plant-Processing Byproducts of Black Carrot (Daucus carota L.). *Journal of Agricultural and Food Chemistry*, **2016**, 64, 2450-8	5.7	54
151	Bacillus cereus NVH 0500/00 Can Adhere to Mucin but Cannot Produce Enterotoxins during Gastrointestinal Simulation. *Applied and Environmental Microbiology*, **2016**, 82, 289-96	4.8	9

150	5-Fluorouracil sensitivity varies among oral micro-organisms. *Journal of Medical Microbiology*, **2016**, 65, 775-783	3.2	17
149	Characterisation of the human uterine microbiome in non-pregnant women through deep sequencing of the V1-2 region of the 16S rRNA gene. *PeerJ*, **2016**, 4, e1602	3.1	151
148	Quercetin mitigates valinomycin-induced cellular stress via stress-induced metabolism and cell uptake. *Molecular Nutrition and Food Research*, **2016**, 60, 972-80	5.9	9
147	Chronic cigarette smoke exposure induces microbial and inflammatory shifts and mucin changes in the murine gut. *Environmental Microbiology*, **2016**, 18, 1352-63	5.2	107
146	An Advanced In Vitro Technology Platform to Study the Mechanism of Action of Prebiotics and Probiotics in the Gastrointestinal Tract. *Journal of Clinical Gastroenterology*, **2016**, 50 Suppl 2, Proceedings from t, S124-S125	3	12
145	Impact of Encapsulated Lactobacillus casei 01 Along with Pasteurized Purple-Rice Drinks on Modulating Colon Microbiome using a Digestive Model. *International Journal of Food Engineering*, **2016**, 12, 637-646	1.9	1
144	Dietary supplement based on stilbenes: a focus on gut microbial metabolism by the in vitro simulator M-SHIME . *Food and Function*, **2016**, 7, 4564-4575	6.1	24
143	Improved in vitro assay for determining the mucin adherence of bacteria sensitive to Triton X-100 treatment. *Folia Microbiologica*, **2015**, 60, 435-42	2.8	4
142	Hydrodynamic chronoamperometry for probing kinetics of anaerobic microbial metabolism--case study of Faecalibacterium prausnitzii. *Scientific Reports*, **2015**, 5, 11484	4.9	23
141	Westernized diets lower arsenic gastrointestinal bioaccessibility but increase microbial arsenic speciation changes in the colon. *Chemosphere*, **2015**, 119, 757-762	8.4	28
140	Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota. *Food Chemistry*, **2015**, 183, 273-82	8.5	50
139	Microbiota and their role in the pathogenesis of oral mucositis. *Oral Diseases*, **2015**, 21, 17-30	3.5	62
138	A novel hypromellose capsule, with acid resistance properties, permits the targeted delivery of acid-sensitive products to the intestine. *LWT - Food Science and Technology*, **2015**, 60, 544-551	5.4	16
137	Micromanagement in the gut: microenvironmental factors govern colon mucosal biofilm structure and functionality. *Npj Biofilms and Microbiomes*, **2015**, 1, 15026	8.2	36
136	Bifidobacterium longum D2 enhances microbial degradation of long-chain arabinoxylans in an in vitro model of the proximal colon. *Beneficial Microbes*, **2015**, 6, 849-60	4.9	9
135	Microbial inhibition of oral epithelial wound recovery: potential role for quorum sensing molecules?. *AMB Express*, **2015**, 5, 27	4.1	12
134	Interindividual differences in response to treatment with butyrate-producing Butyricicoccus pullicaecorum 25-3T studied in an in vitro gut model. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	37
133	Bacillus cereus Adhesion to Simulated Intestinal Mucus Is Determined by Its Growth on Mucin, Rather Than Intestinal Environmental Parameters. *Foodborne Pathogens and Disease*, **2015**, 12, 904-13	3.8	8

132	Arsenic from food: biotransformations and risk assessment. *Current Opinion in Food Science*, **2015**, 6, 1-6	9.8	3
131	Commensal microbiota influence systemic autoimmune responses. *EMBO Journal*, **2015**, 34, 466-74	13	79
130	The Simulator of the Human Intestinal Microbial Ecosystem (SHIME) **2015**, 305-317		42
129	Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols. *Applied Microbiology and Biotechnology*, **2014** , 98, 6805-15	5.7	31
128	Deodorants and antiperspirants affect the axillary bacterial community. *Archives of Dermatological Research*, **2014**, 306, 701-10	3.3	46
127	Microbial odor profile of polyester and cotton clothes after a fitness session. *Applied and Environmental Microbiology*, **2014**, 80, 6611-9	4.8	81
126	Bacillus sp. LT3 improves the survival of gnotobiotic brine shrimp (Artemia franciscana) larvae challenged with Vibrio campbellii by enhancing the innate immune response and by decreasing the activity of shrimp-associated vibrios. *Veterinary Microbiology*, **2014**, 173, 279-88	3.3	22
125	O carboxymethylguanine DNA adduct formation and lipid peroxidation upon in vitro gastrointestinal digestion of haem-rich meat. *Molecular Nutrition and Food Research*, **2014**, 58, 1883-96	5.9	28
124	Effect of encapsulated Lactobacillus casei 01 along with pressurized-purple-rice drinks on colonizing the colon in the digestive model. *Applied Microbiology and Biotechnology*, **2014**, 98, 5241-50	5.7	11
123	The HMI module: a new tool to study the Host-Microbiota Interaction in the human gastrointestinal tract in vitro. *BMC Microbiology*, **2014**, 14, 133	4.5	103
122	Butyricicoccus pullicaecorum, a butyrate producer with probiotic potential, is intrinsically tolerant to stomach and small intestine conditions. *Anaerobe*, **2014**, 30, 70-4	2.8	58
121	Development of an oral mucosa model to study host-microbiome interactions during wound healing. *Applied Microbiology and Biotechnology*, **2014**, 98, 6831-46	5.7	16
120	Artificial sweat composition to grow and sustain a mixed human axillary microbiome. *Journal of Microbiological Methods*, **2014**, 103, 6-8	2.8	39
119	Structural features and feruloylation modulate the fermentability and evolution of antioxidant properties of arabinoxylanoligosaccharides during in vitro fermentation by human gut derived microbiota. *Journal of Functional Foods*, **2014**, 10, 1-12	5.1	60
118	Beneficial effects of fermented vegetal beverages on human gastrointestinal microbial ecosystem in a simulator. *Food Research International*, **2014**, 64, 43-52	7	30
117	Prebiotics, Faecal Transplants and Microbial Network Units to Stimulate Biodiversity of the Human Gut Microbiome **2014**, 281-294		
116	Optimized cryopreservation of mixed microbial communities for conserved functionality and diversity. *PLoS ONE*, **2014**, 9, e99517	3.7	60
115	Arsenic thiolation and the role of sulfate-reducing bacteria from the human intestinal tract. *Environmental Health Perspectives*, **2014**, 122, 817-22	8.4	73

114	Synthetic microbial ecosystems: an exciting tool to understand and apply microbial communities. *Environmental Microbiology*, **2014**, 16, 1472-81	5.2	152
113	Metabolic fate of ochratoxin A as a coffee contaminant in a dynamic simulator of the human colon. *Food Chemistry*, **2013**, 141, 3291-300	8.5	18
112	Impact of polyphenols from black tea and red wine/grape juice on a gut model microbiome. *Food Research International*, **2013**, 53, 659-669	7	159
111	Intestinal colonization: how key microbial players become established in this dynamic process: microbial metabolic activities and the interplay between the host and microbes. *BioEssays*, **2013**, 35, 913-23	4.1	47
110	A dried yeast fermentate selectively modulates both the luminal and mucosal gut microbiota and protects against inflammation, as studied in an integrated in vitro approach. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 9380-92	5.7	38
109	Assessment of mutualism between Bombus terrestris and its microbiota by use of microcolonies. *Apidologie*, **2013**, 44, 708-719	2.3	20
108	Gut metabotypes govern health effects of dietary polyphenols. *Current Opinion in Biotechnology*, **2013**, 24, 220-5	11.4	145
107	Barcoded pyrosequencing analysis of the microbial community in a simulator of the human gastrointestinal tract showed a colon region-specific microbiota modulation for two plant-derived polysaccharide blends. *Antonie Van Leeuwenhoek*, **2013**, 103, 409-20	2.1	16
106	Milk fat globule membrane glycoproteins prevent adhesion of the colonic microbiota and result in increased bacterial butyrate production. *International Dairy Journal*, **2013**, 32, 99-109	3.5	18
105	Arsenic undergoes significant speciation changes upon incubation of contaminated rice with human colon micro biota. *Journal of Hazardous Materials*, **2013**, 262, 1237-44	12.8	34
104	Butyrate-producing Clostridium cluster XIVa species specifically colonize mucins in an in vitro gut model. *ISME Journal*, **2013**, 7, 949-61	11.9	351
103	Distribution and isolation of milk fat globule membrane proteins during dairy processing as revealed by proteomic analysis. *International Dairy Journal*, **2013**, 32, 110-120	3.5	25
102	Different human gut models reveal the distinct fermentation patterns of Arabinoxylan versus inulin. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 9819-27	5.7	78
101	Incubation of selected fermentable fibres with feline faecal inoculum: correlations between in vitro fermentation characteristics and end products. *Archives of Animal Nutrition*, **2013**, 67, 416-31	2.7	6
100	Lactobacillus plantarum IFPL935 favors the initial metabolism of red wine polyphenols when added to a colonic microbiota. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 10163-72	5.7	35
99	Implication of fermentable carbohydrates targeting the gut microbiota on conjugated linoleic acid production in high-fat-fed mice. *British Journal of Nutrition*, **2013**, 110, 998-1011	3.6	29
98	Trace metals accumulation in Bacopa monnieri and their bioaccessibility. *Planta Medica*, **2013**, 79, 1081-3	3.1	6
97	Prebiotics, faecal transplants and microbial network units to stimulate biodiversity of the human gut microbiome. *Microbial Biotechnology*, **2013**, 6, 335-40	6.3	32

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