Philippe GÃ©rard

List of Publications by Year
in descending order

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74
papers

5,914
citations

147801
31
h-index

106344
65
g-index

85
all docs

85
docs citations

85
times ranked

8253
citing authors

#	Article	IF	Citations
1	Intestinal microbiota determines development of non-alcoholic fatty liver disease in mice. Gut, 2013, 62, 1787-1794.	12.1	777
2	Metabolism of Cholesterol and Bile Acids by the Gut Microbiota. Pathogens, 2014, 3, 14-24.	2.8	454
3	Intestinal microbiota contributes to individual susceptibility to alcoholic liver disease. Gut, 2016, 65, 830-839.	12.1	429
4	Germ-free C57BL/6J mice are resistant to high-fat-diet-induced insulin resistance and have altered cholesterol metabolism. FASEB Journal, 2010, 24, 4948-4959.	0.5	425
5	Gut microbiota and obesity. Cellular and Molecular Life Sciences, 2016, 73, 147-162.	5.4	383
6	The links between the gut microbiome and non-alcoholic fatty liver disease (NAFLD). Cellular and Molecular Life Sciences, 2019, 76, 1541-1558.	5.4	333
7	Germâ€free C57BL/6J mice are resistant to highâ€fatâ€dietâ€induced insulin resistance and have altered cholesterol metabolism. FASEB Journal, 2010, 24, 4948-4959.	0.5	321
8	Microbial Community Development in a Dynamic Gut Model Is Reproducible, Colon Region Specific, and Selective for <i>Bacteroidetes</i> and <i>Clostridium</i> Cluster IX. Applied and Environmental Microbiology, 2010, 76, 5237-5246.	3.1	272
9	Arabinoxylans and inulin differentially modulate the mucosal and luminal gut microbiota and mucinâ€degradation in humanized rats. Environmental Microbiology, 2011, 13, 2667-2680.	3.8	215
10	Intestinal microbiota in metabolic diseases. Gut Microbes, 2014, 5, 544-551.	9.8	170
11	The gut microbiota drives the impact of bile acids and fat source in diet on mouse metabolism. Microbiome, 2018, 6, 134.	11.1	169
12	Microbial impact on cholesterol and bile acid metabolism: current status and future prospects. Journal of Lipid Research, 2019, 60, 323-332.	4.2	149
13	The intestinal microbiota regulates host cholesterol homeostasis. BMC Biology, 2019, 17, 94.	3.8	125
14	Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E334-E352.	3.5	119
15	Interplay Between Exercise and Gut Microbiome in the Context of Human Health and Performance. Frontiers in Nutrition, 2021, 8, 637010.	3.7	109
16	<i>Bacteroides</i> sp. Strain D8, the First Cholesterol-Reducing Bacterium Isolated from Human Feces. Applied and Environmental Microbiology, 2007, 73, 5742-5749.	3.1	104
17	High fat diet drives obesity regardless the composition of gut microbiota in mice. Scientific Reports, 2016, 6, 32484.	3.3	97
18	Endotoxin Producers Overgrowing in Human Gut Microbiota as the Causative Agents for Nonalcoholic Fatty Liver Disease. MBio, 2020, 11, .	4.1	96

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19	Rapid analysis of bile acids in different biological matrices using LC-ESI-MS/MS for the investigation of bile acid transformation by mammalian gut bacteria. Analytical and Bioanalytical Chemistry, 2017, 409, 1231-1245.	3.7	81
20	The Effects of Weaning Methods on Gut Microbiota Composition and Horse Physiology. Frontiers in Physiology, 2017, 8, 535.	2.8	80
21	Short-Chain Fructo-Oligosaccharides Modulate Intestinal Microbiota and Metabolic Parameters of Humanized Gnotobiotic Diet Induced Obesity Mice. PLoS ONE, 2013, 8, e71026.	2.5	75
22	Epimerization of chenodeoxycholic acid to ursodeoxycholic acid byClostridium baratiiisolated from human feces. FEMS Microbiology Letters, 2004, 235, 65-72.	1.8	62
23	Gnotobiotic rats harboring human intestinal microbiota as a model for studying cholesterol-to-coprostanol conversion. FEMS Microbiology Ecology, 2004, 47, 337-343.	2.7	60
24	Correlation between faecal microbial community structure and cholesterol-to-coprostanol conversion in the human gut. FEMS Microbiology Letters, 2005, 242, 81-86.	1.8	60
25	Effect of glucose on glycerol metabolism by Clostridium butyricum DSM 5431. Journal of Applied Microbiology, 1998, 84, 515-522.	3.1	50
26	Epimerization of chenodeoxycholic acid to ursodeoxycholic acid by Clostridium baratii isolated from human feces. FEMS Microbiology Letters, 2004, 235, 65-72.	1.8	40
27	Membrane Topology of the Streptococcus pneumoniae FtsW Division Protein. Journal of Bacteriology, 2002, 184, 1925-1931.	2.2	39
28	Cholesterol-to-Coprostanol Conversion by the Gut Microbiota: What We Know, Suspect, and Ignore. Microorganisms, 2021, 9, 1881.	3.6	39
29	Fructose malabsorption induces cholecystokinin expression in the ileum and cecum by changing microbiota composition and metabolism. FASEB Journal, 2019, 33, 7126-7142.	0.5	36
30	Diet-gut microbiota interactions on cardiovascular disease. Computational and Structural Biotechnology Journal, 2022, 20, 1528-1540.	4.1	34
31	Characterization of Cecal Microbiota and Response to an Orally Administered <i>Lactobacillus</i> Probiotic Strain in the Broiler Chicken. Journal of Molecular Microbiology and Biotechnology, 2008, 14, 115-122.	1.0	33
32	Addition of dairy lipids and probiotic Lactobacillus fermentum in infant formula programs gut microbiota and entero-insular axis in adult minipigs. Scientific Reports, 2018, 8, 11656.	3.3	33
33	Fecal Microbiota Transplant from Human to Mice Gives Insights into the Role of the Gut Microbiota in Non-Alcoholic Fatty Liver Disease (NAFLD). Microorganisms, 2021, 9, 199.	3.6	33
34	Calcium alginateâ€resistant starch mixed gel improved the survival of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> Bb12 and <i>Lactobacillus rhamnosus</i> LBREâ€LSAS in yogurt and simulated gastrointestinal conditions. International Journal of Food Science and Technology, 2012, 47, 1421-1429.	2.7	31
35	Effect of prebiotic carbohydrates on growth, bile survival and cholesterol uptake abilities of dairyâ€related bacteria. Journal of the Science of Food and Agriculture, 2014, 94, 1184-1190.	3.5	29
36	Murine Genetic Background Overcomes Gut Microbiota Changes to Explain Metabolic Response to High-Fat Diet. Nutrients, 2020, 12, 287.	4.1	25

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37	The role of microbiota in tissue repair and regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 539-555.	2.7	23
38	Helicobacter pylori serologic status has no influence on the association between fucosyltransferase 2 polymorphism (FUT2 461 Gâ†'A) and vitamin B-12 in Europe and West Africa. American Journal of Clinical Nutrition, 2012, 95, 514-521.	4.7	20
39	Gut Microbiome and Obesity. How to Prove Causality?. Annals of the American Thoracic Society, 2017, 14, S354-S356.	3.2	19
40	Metabolic Interplay between Gut Bacteria and Their Host. Frontiers of Hormone Research, 2014, 42, 73-82.	1.0	18
41	Microbiota, Liver Diseases, and Alcohol. Microbiology Spectrum, 2017, 5, .	3.0	18
42	The Epistemic Revolution Induced by Microbiome Studies: An Interdisciplinary View. Biology, 2021, 10, 651.	2.8	18
43	Human Haptocorrin in Hepatocellular Carcinoma. Cancer Detection and Prevention, 1999, 23, 89-96.	2.1	18
44	Isolates from normal human intestinal flora but not lactic acid bacteria exhibit 7Î±- and 7Î²-hydroxysteroid dehydrogenase activities. Microbial Ecology in Health and Disease, 2004, 16, 195-201.	3.5	17
45	Steatosis and gut microbiota dysbiosis induced by high-fat diet are reversed by 1-week chow diet administration. Nutrition Research, 2019, 71, 72-88.	2.9	17
46	Exploring the Bacterial Impact on Cholesterol Cycle: A Numerical Study. Frontiers in Microbiology, 2020, 11, 1121.	3.5	17
47	Fecal microbiome as determinant of the effect of diet on colorectal cancer risk: comparison of meat-based versus pesco-vegetarian diets (the MeaTIc study). Trials, 2019, 20, 688.	1.6	14
48	Harnessing the beneficial properties of adipogenic microbes for improving human health. Obesity Reviews, 2013, 14, 721-735.	6.5	13
49	Fatâ€Shaped Microbiota Affects Lipid Metabolism, Liver Steatosis, and Intestinal Homeostasis in Mice Fed a Lowâ€Protein Diet. Molecular Nutrition and Food Research, 2020, 64, e1900835.	3.3	11
50	Assimilation of [57Co]-Labeled Cobalamin in Human Fetal Gastrointestinal Xenografts into Nude Mice. Pediatric Research, 1999, 45, 860-866.	2.3	11
51	The crosstalk between the gut microbiota and lipids. OCL - Oilseeds and Fats, Crops and Lipids, 2020, 27, 70.	1.4	10
52	Expression and purification of FtsW and RodA from Streptococcus pneumoniae, two membrane proteins involved in cell division and cell growth, respectively. Protein Expression and Purification, 2003, 30, 18-25.	1.3	9
53	Alteration of microbiota antibodyâ€mediated immune selection contributes to dysbiosis in inflammatory bowel diseases. EMBO Molecular Medicine, 2022, 14, .	6.9	8
54	Tolerogenic Dendritic Cells Shape a Transmissible Gut Microbiota That Protects From Metabolic Diseases. Diabetes, 2021, 70, 2067-2080.	0.6	7

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55	Properties of Allyl Alcohol-Resistant Mutants of Clostridium butyricum Grown on Glycerol. Applied and Environmental Microbiology, 1996, 62, 3499-3501.	3.1	6
56	Distribution of the Rubredoxin Gene Among the Clostridium butyricum Species. Current Microbiology, 1999, 38, 264-267.	2.2	3
57	Cloning and Characterization of the Gene Encoding Clostridium butyricum rubredoxin. Anaerobe, 2000, 6, 29-37.	2.1	3
58	O146 INTESTINAL DYSBIOSIS EXPLAINS INTER-INDIVIDUAL DIFFERENCES IN SUSCEPTIBILITY TO ALCOHOLIC LIVER DISEASE. Journal of Hepatology, 2014, 60, S61.	3.7	3
59	Rapeseed and Soy Lecithin As Food Additives Vectors of Î±-Linolenic Acid: Impacts on High-Fat Induced Adiposity, Inflammation and Gut Microbiota in Mice. Current Developments in Nutrition, 2021, 5, 364.	0.3	3
60	Recent Patents on Hypocholesterolemic Therapeutic Strategies: An Update. Recent Advances in DNA & Gene Sequences, 2016, 9, 36-44.	0.7	2
61	Microbiota, Liver Diseases, and Alcohol. , 2018, , 187-212.		2
62	Gastrointestinal Tract: Microbial Metabolism of Steroids. , 2019, , 1-11.		2
63	Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?. Hepatobiliary Surgery and Nutrition, 2021, 10, 708-710.	1.5	2
64	GI Bacteria Changes in Animal Models Due to Prebiotics. , 2010, , 553-570.		1
65	Microbiota composition affects lipid metabolism and intestinal homeostasis. Nutrition, Metabolism and Cardiovascular Diseases, 2017, 27, e11.	2.6	1
66	Effect of different microbiota on lipid metabolism, liver steatosis and intestinal homeostasis in mice fed a low-protein diet. Atherosclerosis, 2017, 263, e6-e7.	0.8	1
67	Both pH and Carbon Flux Influence the Level of Rubredoxin in Clostridium butyricum. Current Microbiology, 2001, 43, 434-439.	2.2	0
68	1149 GUT MICROBIOTA MIGHT BE A KEY FACTOR ON THE SEVERITY OF ACUTE ALCOHOLIC HEPATITIS. Journal of Hepatology, 2010, 52, S444.	3.7	0
69	Microbiote intestinal et lipides : impact sur la santÃ© humaine. Oleagineux Corps Gras Lipides, 2012, 19, 223-227.	0.2	0
70	1356 TRANSMISSION OF HUMAN LIVER SENSITIVITY TO ALCOHOL BY INTESTINAL MICROBIOTA. Journal of Hepatology, 2012, 56, S533.	3.7	0
71	Les relations entre microbiote intestinal et lipides. Cahiers De Nutrition Et De Dietetique, 2014, 49, 213-217.	0.3	0
72	Rapeseed and soy lecithin as vectors of Î±-linolenic acid: Impacts on adiposity, inflammation and gut microbiota in high-fat fed mice. , 0, , .		0

#	ARTICLE	IF	CITATIONS
73	Gastrointestinal Tract: Microbial Metabolism of Steroids. , 2020, , 389-399.		0
74	Ãœbergewicht durch Darmflora. , 2020, , 247-259.		0