# HervÃ© Blottiere

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 117 papers | 39,420 citations | 39113 52 h-index | 18944 123 g-index |
| 131 all docs | 131 docs citations | 131 times ranked | 42323 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Roseburia, a decreased bacterial taxon in the gut microbiota of patients suffering from anorexia nervosa. European Journal of Clinical Nutrition, 2022, , . | 1.3 | 6 |
| 2 | SCFA: mechanisms and functional importance in the gut. Proceedings of the Nutrition Society, 2021, 80, 37-49. | 0.4 | 498 |
| 3 | 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. | 1.6 | 33 |
| 4 | Combinatorial, additive and dose-dependent drugâ€“microbiome associations. Nature, 2021, 600, 500-505. | 13.7 | 102 |
| 5 | Extracellular Vesicles Produced by the Probiotic Propionibacterium freudenreichii CIRM-BIA 129 Mitigate Inflammation by Modulating the NF-Î°B Pathway. Frontiers in Microbiology, 2020, 11, 1544. | 1.5 | 45 |
| 6 | Alternative stable states in the intestinal ecosystem: proof of concept in a rat model and a perspective of therapeutic implications. Microbiome, 2020, 8, 153. | 4.9 | 21 |
| 7 | Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. Nature, 2020, 581, 310-315. | 13.7 | 283 |
| 8 | Impact of pemetrexed chemotherapy on the gut microbiota and intestinal inflammation of patient-lung-derived tumor xenograft (PDX) mouse models. Scientific Reports, 2020, 10, 9094. | 1.6 | 11 |
| 9 | Microbiota-gut brain axis involvement in neuropsychiatric disorders. Expert Review of Neurotherapeutics, 2019, 19, 1037-1050. | 1.4 | 116 |
| 10 | Elevated serum ceramides are linked with obesity-associated gut dysbiosis and impaired glucose metabolism. Metabolomics, 2019, 15, 140. | 1.4 | 26 |
| 11 | Identification of the novel role of butyrate as AhR ligand in human intestinal epithelial cells. Scientific Reports, 2019, 9, 643. | 1.6 | 111 |
| 12 | A Guide for Ex Vivo Handling and Storage of Stool Samples Intended for Fecal Microbiota Transplantation. Scientific Reports, 2019, 9, 8897. | 1.6 | 40 |
| 13 | Fructose malabsorption induces cholecystokinin expression in the ileum and cecum by changing microbiota composition and metabolism. FASEB Journal, 2019, 33, 7126-7142. | 0.2 | 36 |
| 14 | Prediction of the intestinal resistome by a three-dimensional structure-based method. Nature Microbiology, 2019, 4, 112-123. | 5.9 | 129 |
| 15 | SCFAs strongly stimulate PYY production in human enteroendocrine cells. Scientific Reports, 2018, 8, 74. | 1.6 | 262 |
| 16 | Butyrate Produced by Commensal Bacteria Down-Regulates Indolamine 2,3-Dioxygenase 1 (IDO-1) Expression via a Dual Mechanism in Human Intestinal Epithelial Cells. Frontiers in Immunology, 2018, 9, 2838. | 2.2 | 74 |
| 17 | Butyrate produced by gut commensal bacteria activates TGF-beta1 expression through the transcription factor SP1 in human intestinal epithelial cells. Scientific Reports, 2018, 8, 9742. | 1.6 | 142 |
| 18 | Humans as holobionts: implications for prevention and therapy. Microbiome, 2018, 6, 81. | 4.9 | 114 |

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|---|---|---|---|
| 19 | A Data Integration Multi-Omics Approach to Study Calorie Restriction-Induced Changes in Insulin Sensitivity. Frontiers in Physiology, 2018, 9, 1958. | 1.3 | 39 |
| 20 | A fibrolytic potential in the human ileum mucosal microbiota revealed by functional metagenomic. Scientific Reports, 2017, 7, 40248. | 1.6 | 38 |
| 21 | Energy balance and obesity: what are the main drivers?. Cancer Causes and Control, 2017, 28, 247-258. | 0.8 | 455 |
| 22 | Commensal gut bacteria modulate phosphorylation-dependent PPARÎ³ transcriptional activity in human intestinal epithelial cells. Scientific Reports, 2017, 7, 43199. | 1.6 | 66 |
| 23 | The gut bacterium and pathobiont Bacteroides vulgatus activates NF-ÎºB in a human gut epithelial cell line in a strain and growth phase dependent manner. Anaerobe, 2017, 47, 209-217. | 1.0 | 55 |
| 24 | Human Gut Metagenomics: Success and Limits of the Activity-Based Approaches. , 2017, , 161-178. | | 0 |
| 25 | The Enterococcus faecalis virulence factor ElrA interacts with the human Four-and-a-Half LIM Domains Protein 2. Scientific Reports, 2017, 7, 4581. | 1.6 | 9 |
| 26 | TLR ligands and butyrate increasePyyexpression through two distinct but inter-regulated pathways. Cellular Microbiology, 2017, 19, e12648. | 1.1 | 71 |
| 27 | Human gut microbes impact host serum metabolome and insulin sensitivity. Nature, 2016, 535, 376-381. | 13.7 | 1,506 |
| 28 | Akkermansia muciniphilaand improved metabolic health during a dietary intervention in obesity: relationship with gut microbiome richness and ecology. Gut, 2016, 65, 426-436. | 6.1 | 1,379 |
| 29 | Lactobacillus rhamnosus CNCMI-4317 Modulates Fiaf/Angptl4 in Intestinal Epithelial Cells and Circulating Level in Mice. PLoS ONE, 2015, 10, e0138880. | 1.1 | 22 |
| 30 | The Impact of ATRA on Shaping Human Myeloid Cell Responses to Epithelial Cell-Derived Stimuli and on T-Lymphocyte Polarization. Mediators of Inflammation, 2015, 2015, 1-14. | 1.4 | 10 |
| 31 | Functional metagenomics to decipher foodâ€“microbeâ€“host crosstalk. Proceedings of the Nutrition Society, 2015, 74, 1-4. | 0.4 | 15 |
| 32 | The influence of diet on the gut microbiota and its consequences for health. Current Opinion in Biotechnology, 2015, 32, 195-199. | 3.3 | 148 |
| 33 | Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. Cell Metabolism, 2015, 22, 320-331. | 7.2 | 345 |
| 34 | Metagenomics of the human intestinal tract: from who is there to what is done there. Current Opinion in Food Science, 2015, 4, 64-68. | 4.1 | 12 |
| 35 | Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. Nature, 2015, 528, 262-266. | 13.7 | 1,627 |
| 36 | Commensal Streptococcus salivarius Modulates PPARÎ³ Transcriptional Activity in Human Intestinal Epithelial Cells. PLoS ONE, 2015, 10, e0125371. | 1.1 | 60 |

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|---|---|---|---|
| 37 | Milk Fermented with a 15-Lipoxygenase-1-Producing Lactococcus Lactis Alleviates Symptoms of colitis in a Murine Model. Current Pharmaceutical Biotechnology, 2015, 16, 424-429. | 0.9 | 28 |
| 38 | A Robust and Adaptable High Throughput Screening Method to Study Host-Microbiota Interactions in the Human Intestine. PLoS ONE, 2014, 9, e105598. | 1.1 | 11 |
| 39 | The Laminin Response in Inflammatory Bowel Disease: Protection or Malignancy?. PLoS ONE, 2014, 9, e111336. | 1.1 | 46 |
| 40 | Impact of high-fat feeding on basic helixâ€“loopâ€“helix transcription factors controlling enteroendocrine cell differentiation. International Journal of Obesity, 2014, 38, 1440-1448. | 1.6 | 26 |
| 41 | Genome Sequence of â€œ Candidatus Arthromitusâ€•sp. Strain SFB-Mouse-NL, a Commensal Bacterium with a Key Role in Postnatal Maturation of Gut Immune Functions. Genome Announcements, 2014, 2, . | 0.8 | 35 |
| 42 | Anti-Inflammatory Properties of Streptococcus salivarius, a Commensal Bacterium of the Oral Cavity and Digestive Tract. Applied and Environmental Microbiology, 2014, 80, 928-934. | 1.4 | 151 |
| 43 | Identification and assembly of genomes and genetic elements in complex metagenomic samples without using reference genomes. Nature Biotechnology, 2014, 32, 822-828. | 9.4 | 909 |
| 44 | An integrated catalog of reference genes in the human gut microbiome. Nature Biotechnology, 2014, 32, 834-841. | 9.4 | 1,664 |
| 45 | Human intestinal metagenomics: state of the art and future. Current Opinion in Microbiology, 2013, 16, 232-239. | 2.3 | 62 |
| 46 | The <scp>NF</scp>â€Ï<scp>B</scp> binding site located in the proximal region of the <scp>TSLP</scp> promoter is critical for <scp>TSLP</scp> modulation in human intestinal epithelial cells. European Journal of Immunology, 2013, 43, 1053-1062. | 1.6 | 46 |
| 47 | Richness of human gut microbiome correlates with metabolic markers. Nature, 2013, 500, 541-546. | 13.7 | 3,641 |
| 48 | Dietary intervention impact on gut microbial gene richness. Nature, 2013, 500, 585-588. | 13.7 | 1,485 |
| 49 | A metagenomic insight into our gut's microbiome. Gut, 2013, 62, 146-158. | 6.1 | 302 |
| 50 | ANGPTL4 expression induced by butyrate and rosiglitazone in human intestinal epithelial cells utilizes independent pathways. American Journal of Physiology - Renal Physiology, 2013, 304, G1025-G1037. | 1.6 | 76 |
| 51 | High-Throughput System for the Presentation of Secreted and Surface-Exposed Proteins from Gram-Positive Bacteria in Functional Metagenomics Studies. PLoS ONE, 2013, 8, e65956. | 1.1 | 14 |
| 52 | Functional Metagenomics of Bacterial-Cell Crosstalk. , 2013, , 1-6. | | 0 |
| 53 | Butyrate Produced by Commensal Bacteria Potentiates Phorbol Esters Induced AP-1 Response in Human Intestinal Epithelial Cells. PLoS ONE, 2012, 7, e52869. | 1.1 | 70 |
| 54 | Anti-inflammatory properties of dairy lactobacilli. Inflammatory Bowel Diseases, 2012, 18, 657-666. | 0.9 | 68 |

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| 55 | Enterotypes of the human gut microbiome. Nature, 2011, 473, 174-180. | 13.7 | 5,800 |
| 56 | Inhibition of the NF-ÎºB Pathway in Human Intestinal Epithelial Cells by Commensal Streptococcus salivarius. Applied and Environmental Microbiology, 2011, 77, 4681-4684. | 1.4 | 88 |
| 57 | Identification of NF-ÎºB Modulation Capabilities within Human Intestinal Commensal Bacteria. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-9. | 3.0 | 66 |
| 58 | The clinical Pseudomonas fluorescens MFN1032 strain exerts a cytotoxic effect on epithelial intestinal cells and induces Interleukin-8 via the AP-1 signaling pathway. BMC Microbiology, 2010, 10, 215. | 1.3 | 45 |
| 59 | A human gut microbial gene catalogue established by metagenomic sequencing. Nature, 2010, 464, 59-65. | 13.7 | 9,342 |
| 60 | Functional Metagenomics: A High Throughput Screening Method to Decipher Microbiota-Driven NF-ÎºB Modulation in the Human Gut. PLoS ONE, 2010, 5, e13092. | 1.1 | 72 |
| 61 | Degraded Carrageenan Causing Colitis in Rats Induces TNF Secretion and ICAM-1 Upregulation in Monocytes through NF-ÎºB Activation. PLoS ONE, 2010, 5, e8666. | 1.1 | 52 |
| 62 | Faecalibacterium prausnitzii is an anti-inflammatory commensal bacterium identified by gut microbiota analysis of Crohn disease patients. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16731-16736. | 3.3 | 3,581 |
| 63 | Development of High-Throughput Phenotyping of Metagenomic Clones from the Human Gut Microbiome for Modulation of Eukaryotic Cell Growth. Applied and Environmental Microbiology, 2007, 73, 3734-3737. | 1.4 | 56 |
| 64 | Comparative capacities of the pig colon and duodenum for luminal iron absorption. Canadian Journal of Physiology and Pharmacology, 2007, 85, 185-192. | 0.7 | 43 |
| 65 | Effects of agmatine accumulation in human colon carcinoma cells on polyamine metabolism, DNA synthesis and the cell cycle. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1745, 111-123. | 1.9 | 38 |
| 66 | Adaptative metabolic response of human colonic epithelial cells to the adverse effects of the luminal compound sulfide. Biochimica Et Biophysica Acta - General Subjects, 2005, 1725, 201-212. | 1.1 | 157 |
| 67 | Growth inhibitory effect of celecoxib and rofecoxib on human colorectal carcinoma cell lines. Anticancer Research, 2005, 25, 225-33. | 0.5 | 12 |
| 68 | Butyrate specifically modulatesMUCgene expression in intestinal epithelial goblet cells deprived of glucose. American Journal of Physiology - Renal Physiology, 2004, 287, G1168-G1174. | 1.6 | 253 |
| 69 | Raw potato starch and short-chain fructo-oligosaccharides affect the composition and metabolic activity of rat intestinal microbiota differently depending on the caecocolonic segment involved. Journal of Applied Microbiology, 2003, 94, 312-320. | 1.4 | 60 |
| 70 | Cyclo-oxygenase-2 over-expression in sporadic colorectal carcinoma without lymph node involvement. Alimentary Pharmacology and Therapeutics, 2003, 18, 731-740. | 1.9 | 8 |
| 71 | Molecular mechanisms involved in the antiproliferative effect of two COX-2 inhibitors, nimesulide and NS-398, on colorectal cancer cell lines. Digestive and Liver Disease, 2003, 35, 557-565. | 0.4 | 18 |
| 72 | Identification of secreted CD155 isoforms. Biochemical and Biophysical Research Communications, 2003, 309, 175-182. | 1.0 | 59 |

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|---|---|---|---|
| 73 | Molecular analysis of the effect of short-chain fatty acids on intestinal cell proliferation. Proceedings of the Nutrition Society, 2003, 62, 101-106. | 0.4 | 190 |
| 74 | Fructooligosaccharide associated with celecoxib reduces the number of aberrant crypt foci in the colon of rats. Reproduction, Nutrition, Development, 2003, 43, 347-356. | 1.9 | 10 |
| 75 | Functional mapping of NPY/PYY receptors in rat and human gastro-intestinal tract. Peptides, 2002, 23, 1765-1771. | 1.2 | 31 |
| 76 | Effects of glutamine deprivation on protein synthesis in a model of human enterocytes in culture. American Journal of Physiology - Renal Physiology, 2001, 281, G1340-G1347. | 1.6 | 33 |
| 77 | Butyrate metabolism upstream and downstream acetyl-CoA synthesis and growth control of human colon carcinoma cells. FEBS Journal, 2000, 267, 6435-6442. | 0.2 | 66 |
| 78 | Short-chain fatty acids induce cytoskeletal and extracellular protein modifications associated with modulation of proliferation on primary culture of rat intestinal smooth muscle cells. Digestive Diseases and Sciences, 2000, 45, 1623-1630. | 1.1 | 23 |
| 79 | Pathways and receptors involved in peptide YY induced contraction of rat proximal colonic muscle in vitro. Gut, 2000, 46, 370-375. | 6.1 | 21 |
| 80 | Butyrate inhibits inflammatory responses through NFkappa B inhibition: implications for Crohn's disease. Gut, 2000, 47, 397-403. | 6.1 | 1,060 |
| 81 | Butyrate and trichostatin A effects on the proliferation/differentiation of human intestinal epithelial cells: induction of cyclin D3 and p21 expression. Gut, 2000, 46, 507-514. | 6.1 | 243 |
| 82 | Prolonged Intake of Fructo-Oligosaccharides Induces a Short-Term Elevation of Lactic Acid-Producing Bacteria and a Persistent Increase in Cecal Butyrate in Rats. Journal of Nutrition, 1999, 129, 2231-2235. | 1.3 | 180 |
| 83 | Biological Properties of Ulvan, a New Source of Green Seaweed Sulfated Polysaccharides, on Cultured Normal and Cancerous Colonic Epithelial Cells. Planta Medica, 1999, 65, 527-531. | 0.7 | 126 |
| 84 | Lack of interleukin 10 regulation of antigen presentation-associated molecules expressed on colonic epithelial cells. European Journal of Clinical Investigation, 1999, 29, 48-55. | 1.7 | 19 |
| 85 | Enhancement of butyrate production in the rat caecocolonic tract by long-term ingestion of resistant potato starch. British Journal of Nutrition, 1999, 82, 419-426. | 1.2 | 73 |
| 86 | Elevated plasma leptin concentrations in early stages of experimental intestinal inflammation in rats. Gut, 1998, 43, 783-790. | 6.1 | 132 |
| 87 | Short-chain fatty acids modify colonic motility through nerves and polypeptide YY release in the rat. American Journal of Physiology - Renal Physiology, 1998, 275, G1415-G1422. | 1.6 | 159 |
| 88 | Molecular mechanisms of butyrate action on HT-29 intestinal epithelial cell proliferation. Reproduction, Nutrition, Development, 1998, 38, 211-211. | 1.9 | 0 |
| 89 | Effects of Short-Chain Fatty Acids on Gastrointestinal Motility. Scandinavian Journal of Gastroenterology, 1997, 32, 58-61. | 0.6 | 135 |
| 90 | Butyrate Stimulates Cyclin D and p21 and Inhibits Cyclin-Dependent Kinase 2 Expression in HT-29 Colonic Epithelial Cells. Biochemical and Biophysical Research Communications, 1997, 232, 169-172. | 1.0 | 89 |

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| 91 | TREATMENT OF RAT PROXIMAL AND DISTAL COLONIC CELLS WITH SODIUM ORTHOVANADATE ENHANCES THEIR ADHESION AND SURVIVAL IN PRIMARY CULTURE. Cell Biology International, 1997, 21, 303-314. | 1.4 | 12 |
| 92 | COMPARISON OF THE EFFECT OF DIFFERENT SHORT CHAIN FATTY ACIDS ON THE GROWTH AND DIFFERENTIATION OF HUMAN COLONIC CARCINOMA CELL LINESIN VITRO. Cell Biology International, 1997, 21, 281-287. | 1.4 | 56 |
| 93 | Rise in cytosolic Ca<sup>2+</sup> concentration induced by P<sub>2</sub>â€purinoceptor activation in isolated myocytes from the rat gastrointestinal tract. British Journal of Pharmacology, 1996, 117, 775-780. | 2.7 | 15 |
| 94 | Butyrate enhances major histocompatibility complex class I, HLA-DR and ICAM-1 antigen expression on differentiated human intestinal epithelial cells. European Journal of Clinical Investigation, 1996, 26, 803-810. | 1.7 | 21 |
| 95 | Inhibition of acetylcholine induced intestinal motility by interleukin 1 beta in the rat.. Gut, 1996, 39, 470-474. | 6.1 | 52 |
| 96 | In vitro contractile effects of short chain fatty acids in the rat terminal ileum.. Gut, 1996, 38, 53-58. | 6.1 | 39 |
| 97 | Utilization of activated U937 monocytic cells as a model to evaluate biocompatibility and biodegradation of synthetic calcium phosphate. Biomaterials, 1995, 16, 497-503. | 5.7 | 29 |
| 98 | Development of a Monoclonal Antibody Against Dentin Phosphophoryn: A Tool to Study Odontoblastic Activity. Hybridoma, 1994, 13, 143-146. | 0.9 | 2 |
| 99 | Monocyte activity in the presence of calcium phosphate activated by 1,25 (OH)2 VD3 and interferon-Î³. Biomaterials, 1994, 15, 25-30. | 5.7 | 17 |
| 100 | Analysis of the relationship between stage of differentiation and nk/lak susceptibility of colon carcinoma cells. International Journal of Cancer, 1993, 53, 409-417. | 2.3 | 18 |
| 101 | Characterization of a human monocyte antigen, B148.4, regulated during cell differentiation and activation. Journal of Leukocyte Biology, 1993, 53, 390-398. | 1.5 | 10 |
| 102 | Karyotypic and phenotypic variations between cell lines established from a primary colorectal tumour and two corresponding metastases from one patient. Invasion & Metastasis, 1993, 13, 253-66. | 0.5 | 8 |
| 103 | Identification and characterization of a rat protein (P 105) auto-antigenic in rats bearing a progressive syngeneic colon carcinoma. International Journal of Cancer, 1992, 50, 315-320. | 2.3 | 1 |
| 104 | Relationship between sensitivity to natural killer cells and MHC class-I antigen expression in colon carcinoma cell lines. International Journal of Cancer, 1992, 50, 659-664. | 2.3 | 7 |
| 105 | Involvement of histo-blood-group antigens in the susceptibility of colon carcinoma cells to natural killer-mediated cytotoxicity. International Journal of Cancer, 1992, 52, 609-618. | 2.3 | 29 |
| 106 | Possible involvement of TGF beta 1 in the distinct tumorigenic properties of two rat colon carcinoma clones. Invasion & Metastasis, 1992, 12, 185-96. | 0.5 | 12 |
| 107 | Human anti-murine immunoglobulin responses and immune functions in cancer patients receiving murine monoclonal antibody therapy. Human Antibodies, 1991, 2, 16-25. | 0.6 | 19 |
| 108 | Characterization, isolation and amino terminal sequencing of a rat colon carcinoma-associated antigen. International Journal of Cancer, 1991, 47, 903-908. | 2.3 | 18 |

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| 109 | Analysis of the state of differentiation of two rat colon carcinoma clones with distinct tumorigenic properties. Biology of the Cell, 1991, 72, 239-47. | 0.7 | 3 |
| 110 | Human anti-murine immunoglobulin responses and immune functions in cancer patients receiving murine monoclonal antibody therapy. Human Antibodies and Hybridomas, 1991, 2, 16-25. | 0.1 | 8 |
| 111 | A new tumor-associated antigen expressed on breast carcinomas, defined by monoclonal antibody BCA 227. Cancer Research, 1991, 51, 1537-43. | 0.4 | 4 |
| 112 | Humoral and cellular responses of colorectal cancer patients treated with monoclonal antibodies and interferon Î³. Cancer Immunology, Immunotherapy, 1990, 32, 29-37. | 2.0 | 16 |
| 113 | Expression of blood group-related glycosidic tissue antigens on regressive and progressive variants of a rat colon carcinoma. Transplantation Proceedings, 1990, 22, 2551-2. | 0.3 | 1 |
| 114 | Immunoglobulin class and immunoglobulin G subclass analysis of human anti-mouse antibody response during monoclonal antibody treatment of cancer patients. Cancer Research, 1990, 50, 1051s-1054s. | 0.4 | 7 |
| 115 | Monoclonal antibodies to a rat colon carcinoma: model for monoclonal antibody therapy of solid tumors. Cancer Research, 1989, 49, 687-92. | 0.4 | 16 |
| 116 | Immune function of patients with gastrointestinal carcinoma after treatment with multiple infusions of monoclonal antibody 17.1A. Cancer Research, 1987, 47, 5238-41. | 0.4 | 13 |
| 117 | Neonatal Programming of Microbiota Composition: A Plausible Idea That Is Not Supported by the Evidence. Frontiers in Microbiology, 0, 13, . | 1.5 | 3 |