

Francois-Pierre J Martin

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

6,127
citations

76294

40
h-index

71651

76
g-index

107
all docs

107
docs citations

107
times ranked

9668
citing authors

#	ARTICLE	IF	CITATIONS
1	Probiotic Bifidobacterium longum NCC3001 Reduces Depression Scores and Alters Brain Activity: A Pilot Study in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2017, 153, 448-459.e8.	0.6	542
2	A top-down systems biology view of microbiome-mammalian metabolic interactions in a mouse model. <i>Molecular Systems Biology</i> , 2007, 3, 112.	3.2	420
3	Probiotic modulation of symbiotic gut microbial-host metabolic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008, 4, 157.	3.2	392
4	Systemic multicompartamental effects of the gut microbiome on mouse metabolic phenotypes. <i>Molecular Systems Biology</i> , 2008, 4, 219.	3.2	304
5	Objective Set of Criteria for Optimization of Sample Preparation Procedures for Ultra-High Throughput Untargeted Blood Plasma Lipid Profiling by Ultra Performance Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 5766-5774.	3.2	234
6	Metabolic Signatures of Extreme Longevity in Northern Italian Centenarians Reveal a Complex Remodeling of Lipids, Amino Acids, and Gut Microbiota Metabolism. <i>PLoS ONE</i> , 2013, 8, e56564.	1.1	205
7	Metabolomics View on Gut Microbiome Modulation by Polyphenol-rich Foods. <i>Journal of Proteome Research</i> , 2012, 11, 4781-4790.	1.8	204
8	Metabonomic and Microbiological Analysis of the Dynamic Effect of Vancomycin-Induced Gut Microbiota Modification in the Mouse. <i>Journal of Proteome Research</i> , 2008, 7, 3718-3728.	1.8	202
9	Human Metabolic Phenotypes Link Directly to Specific Dietary Preferences in Healthy Individuals. <i>Journal of Proteome Research</i> , 2007, 6, 4469-4477.	1.8	156
10	Panorganismal Gut Microbiome-Host Metabolic Crosstalk. <i>Journal of Proteome Research</i> , 2009, 8, 2090-2105.	1.8	151
11	Dietary Modulation of Gut Functional Ecology Studied by Fecal Metabonomics. <i>Journal of Proteome Research</i> , 2010, 9, 5284-5295.	1.8	133
12	Metabolic Effects of Dark Chocolate Consumption on Energy, Gut Microbiota, and Stress-Related Metabolism in Free-Living Subjects. <i>Journal of Proteome Research</i> , 2009, 8, 5568-5579.	1.8	127
13	Serum profiling of healthy aging identifies phospho- and sphingolipid species as markers of human longevity. <i>Aging</i> , 2014, 6, 9-25.	1.4	126
14	High Throughput and Quantitative Measurement of Microbial Metabolome by Gas Chromatography/Mass Spectrometry Using Automated Alkyl Chloroformate Derivatization. <i>Analytical Chemistry</i> , 2017, 89, 5565-5577.	3.2	117
15	Menstrual cycle rhythmicity: metabolic patterns in healthy women. <i>Scientific Reports</i> , 2018, 8, 14568.	1.6	114
16	High Fat Diet Accelerates Pathogenesis of Murine Crohn's Disease-Like Ileitis Independently of Obesity. <i>PLoS ONE</i> , 2013, 8, e71661.	1.1	96
17	Precision of GE Lunar iDXA for the Measurement of Total and Regional Body Composition in Nonobese Adults. <i>Journal of Clinical Densitometry</i> , 2012, 15, 399-404.	0.5	91
18	Clinical metabolomics paves the way towards future healthcare strategies. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 619-629.	1.1	89

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19	Effects of Probiotic <i>Lactobacillus Paracasei</i> Treatment on the Host Gut Tissue Metabolic Profiles Probed via Magic-Angle-Spinning NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2007, 6, 1471-1481.	1.8	88
20	Top-down systems biology integration of conditional prebiotic modulated transgenomic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008, 4, 205.	3.2	86
21	Genome-Wide Association Study of Metabolic Traits Reveals Novel Gene-Metabolite-Disease Links. <i>PLoS Genetics</i> , 2014, 10, e1004132.	1.5	86
22	Alignment Using Variable Penalty Dynamic Time Warping. <i>Analytical Chemistry</i> , 2009, 81, 1000-1007.	3.2	79
23	Transgenomic Metabolic Interactions in a Mouse Disease Model: Interactions of <i>Trichinella spiralis</i> Infection with Dietary <i>Lactobacillus paracasei</i> Supplementation. <i>Journal of Proteome Research</i> , 2006, 5, 2185-2193.	1.8	76
24	Metabolomic Applications to Decipher Gut Microbial Metabolic Influence in Health and Disease. <i>Frontiers in Physiology</i> , 2012, 3, 113.	1.3	74
25	High-throughput and simultaneous quantitative analysis of homocysteine-methionine cycle metabolites and co-factors in blood plasma and cerebrospinal fluid by isotope dilution LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 295-305.	1.9	74
26	Metabolic Assessment of Gradual Development of Moderate Experimental Colitis in IL-10 Deficient Mice. <i>Journal of Proteome Research</i> , 2009, 8, 2376-2387.	1.8	73
27	Circadian and Feeding Rhythms Orchestrate the Diurnal Liver Acetylome. <i>Cell Reports</i> , 2017, 20, 1729-1743.	2.9	72
28	Metabolic shifts due to long-term caloric restriction revealed in nonhuman primates. <i>Experimental Gerontology</i> , 2009, 44, 356-362.	1.2	70
29	Precision of a new tool to measure visceral adipose tissue (VAT) using dual-energy X-ray absorptiometry (DXA). <i>Obesity</i> , 2013, 21, E134-6.	1.5	65
30	Metabolic Phenotyping of the Crohn's Disease-like IBD Etiopathology in the TNF ^{ΔARE} /WT ^{>} Mouse Model. <i>Journal of Proteome Research</i> , 2011, 10, 5523-5535.	1.8	63
31	Early Metabolic Adaptation in C57BL/6 Mice Resistant to High Fat Diet Induced Weight Gain Involves an Activation of Mitochondrial Oxidative Pathways. <i>Journal of Proteome Research</i> , 2013, 12, 1956-1968.	1.8	63
32	Topographical Variation in Murine Intestinal Metabolic Profiles in Relation to Microbiome Speciation and Functional Ecological Activity. <i>Journal of Proteome Research</i> , 2009, 8, 3464-3474.	1.8	62
33	Metabolomics perspectives in pediatric research. <i>Pediatric Research</i> , 2013, 73, 570-576.	1.1	58
34	Acute experimental stress evokes a differential gender-determined increase in human intestinal macromolecular permeability. <i>Neurogastroenterology and Motility</i> , 2012, 24, 740.	1.6	55
35	Impact of breast-feeding and high- and low-protein formula on the metabolism and growth of infants from overweight and obese mothers. <i>Pediatric Research</i> , 2014, 75, 535-543.	1.1	52
36	Analysis of Time-Related Metabolic Fluctuations Induced by Ethionine in the Rat. <i>Journal of Proteome Research</i> , 2007, 6, 4572-4581.	1.8	51

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37	Multivariate Modeling Strategy for Intercompartmental Analysis of Tissue and Plasma ¹ H NMR Spectrotypes. <i>Journal of Proteome Research</i> , 2009, 8, 2397-2406.	1.8	51
38	Sialylated human milk oligosaccharides program cognitive development through a non-genomic transmission mode. <i>Molecular Psychiatry</i> , 2021, 26, 2854-2871.	4.1	47
39	One-carbon metabolism, cognitive impairment and CSF measures of Alzheimer pathology: homocysteine and beyond. <i>Alzheimer's Research and Therapy</i> , 2017, 9, 43.	3.0	46
40	Specific Dietary Preferences Are Linked to Differing Gut Microbial Metabolic Activity in Response to Dark Chocolate Intake. <i>Journal of Proteome Research</i> , 2012, 11, 6252-6263.	1.8	44
41	Chemometric strategies to assess metabonomic imprinting of food habits in epidemiological studies. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010, 104, 95-100.	1.8	40
42	A Whole-Grain-Rich Diet Reduces Urinary Excretion of Markers of Protein Catabolism and Gut Microbiota Metabolism in Healthy Men after One Week. <i>Journal of Nutrition</i> , 2013, 143, 766-773.	1.3	40
43	Urinary metabolic insights into host-gut microbial interactions in healthy and IBD children. <i>World Journal of Gastroenterology</i> , 2017, 23, 3643.	1.4	38
44	Metabotyping of <i>Caenorhabditis elegans</i> and their Culture Media Revealed Unique Metabolic Phenotypes Associated to Amino Acid Deficiency and Insulin-Like Signaling. <i>Journal of Proteome Research</i> , 2011, 10, 990-1003.	1.8	37
45	High-Resolution Quantitative Metabolome Analysis of Urine by Automated Flow Injection NMR. <i>Analytical Chemistry</i> , 2013, 85, 5801-5809.	3.2	36
46	Topographical Body Fat Distribution Links to Amino Acid and Lipid Metabolism in Healthy Non-Obese Women. <i>PLoS ONE</i> , 2013, 8, e73445.	1.1	34
47	Metabotyping of Biofluids Reveals Stress-Based Differences in Gut Permeability in Healthy Individuals. <i>Journal of Proteome Research</i> , 2009, 8, 4799-4809.	1.8	33
48	Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 541-547.	2.2	32
49	Current status on genome-wide metabolome-wide associations: an opportunity in nutrition research. <i>Genes and Nutrition</i> , 2013, 8, 19-27.	1.2	32
50	Systems Biology Approaches for Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 2104-2114.	0.9	32
51	Automated SPE-RP-HPLC fractionation of biofluids combined to off-line NMR spectroscopy for biomarker identification in metabonomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 871, 271-278.	1.2	30
52	The human gut microbiome as source of innovation for health: Which physiological and therapeutic outcomes could we expect?. <i>Therapie</i> , 2017, 72, 21-38.	0.6	28
53	¹ H NMR-based metabonomic applications to decipher gut microbial metabolic influence on mammalian health. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, S47-54.	1.1	26
54	A 48-Hour Vegan Diet Challenge in Healthy Women and Men Induces a BRANCH-Chain Amino Acid Related, Health Associated, Metabolic Signature. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700703.	1.5	25

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55	Urinary Metabolic Phenotyping Reveals Differences in the Metabolic Status of Healthy and Inflammatory Bowel Disease (IBD) Children in Relation to Growth and Disease Activity. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1310.	1.8	24
56	Genetic Susceptibility Determines β -Cell Function and Fasting Glycemia Trajectories Throughout Childhood: A 12-Year Cohort Study (EarlyBird 76). <i>Diabetes Care</i> , 2020, 43, 653-660.	4.3	24
57	High-throughput method for the quantitation of metabolites and co-factors from homocysteine-methionine cycle for nutritional status assessment. <i>Bioanalysis</i> , 2016, 8, 1937-1949.	0.6	23
58	Validation of the Brazilian Healthy Eating Index-Revised Using Biomarkers in Children and Adolescents. <i>Nutrients</i> , 2018, 10, 154.	1.7	22
59	Insulin Resistance during normal child growth and development is associated with a distinct blood metabolic phenotype (Earlybird 72). <i>Pediatric Diabetes</i> , 2019, 20, 832-841.	1.2	22
60	Chemometric Strategy for Modeling Metabolic Biological Space along the Gastrointestinal Tract and Assessing Microbial Influences. <i>Analytical Chemistry</i> , 2010, 82, 9803-9811.	3.2	20
61	Human Milk Oligosaccharide-Stimulated Bifidobacterium Species Contribute to Prevent Later Respiratory Tract Infections. <i>Microorganisms</i> , 2021, 9, 1939.	1.6	20
62	Effects of increase in fish oil intake on intestinal eicosanoids and inflammation in a mouse model of colitis. <i>Lipids in Health and Disease</i> , 2013, 12, 81.	1.2	19
63	Longitudinal omics modeling and integration in clinical metabonomics research: challenges in childhood metabolic health research. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 44.	1.6	18
64	Blood plasma lipidomic signature of epicardial fat in healthy obese women. <i>Obesity</i> , 2015, 23, 130-137.	1.5	17
65	Metabonomics of ageing – Towards understanding metabolism of a long and healthy life. <i>Mechanisms of Ageing and Development</i> , 2017, 165, 171-179.	2.2	17
66	Metabotypes Related to Meat and Vegetable Intake Reflect Microbial, Lipid and Amino Acid Metabolism in Healthy People. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800583.	1.5	17
67	Mucosal metabolites fuel the growth and virulence of E. coli linked to Crohn's disease. <i>JCI Insight</i> , 2022, 7, .	2.3	17
68	Everyday Eating Experiences of Chocolate and Non-Chocolate Snacks Impact Postprandial Anxiety, Energy and Emotional States. <i>Nutrients</i> , 2012, 4, 554-567.	1.7	16
69	Metabonomic approaches to nutrient metabolism and future molecular nutrition. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 112-119.	5.8	14
70	Resistance to lean mass gain in constitutional thinness in free-living conditions is not overpassed by overfeeding. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1187-1199.	2.9	14
71	Monitoring Healthy Metabolic Trajectories with Nutritional Metabonomics. <i>Nutrients</i> , 2009, 1, 101-110.	1.7	13
72	Isotopomics: A Top-Down Systems Biology Approach for Understanding Dynamic Metabolism in Rats Using [1,2- ¹³ C ₂] Acetate. <i>Analytical Chemistry</i> , 2010, 82, 646-653.	3.2	13

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73	Transcriptomics and Metabonomics Identify Essential Metabolic Signatures in Calorie Restriction (CR) Regulation across Multiple Mouse Strains. <i>Metabolites</i> , 2013, 3, 881-911.	1.3	13
74	TERM INFANT FORMULA SUPPLEMENTED WITH HUMAN MILK OLIGOSACCHARIDES (2'FUCOSYLLACTOSE AND) Tj ETQc0 0 0 rgBT /Ove BREASTFED INFANTS.. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016, 63, .	0.9	13
75	Nutritional Metabonomics: An Approach to Promote Personalized Health and Wellness. <i>Chimia</i> , 2011, 65, 396.	0.3	11
76	Modeling Longitudinal Metabonomics and Microbiota Interactions in C57BL/6 Mice Fed a High Fat Diet. <i>Analytical Chemistry</i> , 2016, 88, 7617-7626.	3.2	11
77	Consensus Clustering of temporal profiles for the identification of metabolic markers of pre-diabetes in childhood (EarlyBird 73). <i>Scientific Reports</i> , 2018, 8, 1393.	1.6	10
78	Sex-Specific Associations of Blood-Based Nutrient Profiling With Body Composition in the Elderly. <i>Frontiers in Physiology</i> , 2019, 9, 1935.	1.3	10
79	Reprint of: Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 94-100.	2.2	9
80	Metabolic Phenotyping of an Adoptive Transfer Mouse Model of Experimental Colitis and Impact of Dietary Fish Oil Intake. <i>Journal of Proteome Research</i> , 2015, 14, 1911-1919.	1.8	9
81	Biomarker-based validity of a food frequency questionnaire estimating intake in Brazilian children and adolescents. <i>International Journal of Food Sciences and Nutrition</i> , 2021, 72, 236-247.	1.3	7
82	Contributions of Fat and Carbohydrate Metabolism to Glucose Homeostasis in Childhood Change With Age and Puberty: A 12-Years Cohort Study (EARLYBIRD 77). <i>Frontiers in Nutrition</i> , 2020, 7, 139.	1.6	6
83	Total and activity-induced energy expenditure measured during a year in children with inflammatory bowel disease in clinical remission remain lower than in healthy controls. <i>Clinical Nutrition</i> , 2020, 39, 3147-3152.	2.3	6
84	Vegan and animal meal composition and timing influence glucose and lipid related postprandial metabolic profiles. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1800568.	1.5	5
85	Validation on high variance metabolic profiles: Taste stratification in a free living population. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010, 104, 8-19.	1.8	3
86	Front cover: Vegan and Animal Meal Composition and Timing Influence Glucose and Lipid Related Postprandial Metabolic Profiles. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1970013.	1.5	3
87	Metabolite Profiling Reveals that Dark Chocolate May Beneficially Modulate the Stress-related Metabolism in Humans. <i>Chimia</i> , 2010, 64, 267.	0.3	1
88	Metabonomics in Clinical Practice. <i>Molecular and Integrative Toxicology</i> , 2015, , 25-44.	0.5	1
89	Body composition assessment in children with inflammatory bowel disease: A comparison of different methods. <i>Journal of Paediatrics and Child Health</i> , 2021, 57, 1414-1419.	0.4	1
90	Nutritional Metabolomics as an Approach to Unravel Metabolic Health Trajectory. Special Publication - Royal Society of Chemistry, 2011, , 139-146.	0.0	0

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91	Metabolomics in nutrition. , 2013, , 106-123.		0
92	The Effect of Chocolate on Human and Gut Microbial Metabolic Interactions: Emphasis on Human Health and Nutritional Status. , 2013, , 189-200.		0
93	[P2â€“244]: ONEâ€“CARBON METABOLISM, COGNITIVE IMPAIRMENT AND CSF MARKERS OF ALZHEIMER PATHOLOGY: HOMOCYSTEINE AND BEYOND. Alzheimer's and Dementia, 2017, 13, P705.	0.4	0
94	Front cover: Metabotypes Related to Meat and Vegetable Intake Reflect Microbial, Lipid and Amino Acid Metabolism in Healthy People. Molecular Nutrition and Food Research, 2018, 62, 1870092.	1.5	0
95	Promoting Gut Health with Probiotic Metabolomics. , 2011, , 169-185.		0
96	Assessment of body composition in IBD children by bioelectrical impedance, DEXA and isotopic dilution methods (640.8). FASEB Journal, 2014, 28, 640.8.	0.2	0
97	Introduction to Metabonomics in Systems Biology Research. Molecular and Integrative Toxicology, 2015, , 1-24.	0.5	0
98	Metabonomics and Gut Microbial Paradigm in Healthy Aging. Molecular and Integrative Toxicology, 2015, , 169-184.	0.5	0
99	Editorial: Nutrition and Metabolism in School-Age Children. Frontiers in Nutrition, 2022, 9, 899126.	1.6	0