Francois-Pierre J Martin

List of Publications by Year
in descending order

99 papers	6,127 citations	76326 40 h-index	71685 76 g-index
107 all docs	107 docs citations	107 times ranked	9668 citing authors

#	Article	IF	Citations
1	Mucosal metabolites fuel the growth and virulence of E. coli linked to Crohnâ€™s disease. JCI Insight, 2022, 7, .	5.0	17
2	Editorial: Nutrition and Metabolism in School-Age Children. Frontiers in Nutrition, 2022, 9, 899126.	3.7	0
3	Biomarker-based validity of a food frequency questionnaire estimating intake in Brazilian children and adolescents. International Journal of Food Sciences and Nutrition, 2021, 72, 236-247.	2.8	7
4	Sialylated human milk oligosaccharides program cognitive development through a non-genomic transmission mode. Molecular Psychiatry, 2021, 26, 2854-2871.	7.9	47
5	Body composition assessment in children with inflammatory bowel disease: A comparison of different methods. Journal of Paediatrics and Child Health, 2021, 57, 1414-1419.	0.8	1
6	Human Milk Oligosaccharide-Stimulated Bifidobacterium Species Contribute to Prevent Later Respiratory Tract Infections. Microorganisms, 2021, 9, 1939.	3.6	20
7	Genetic Susceptibility Determines Î²-Cell Function and Fasting Glycemia Trajectories Throughout Childhood: A 12-Year Cohort Study (EarlyBird 76). Diabetes Care, 2020, 43, 653-660.	8.6	24
8	Contributions of Fat and Carbohydrate Metabolism to Glucose Homeostasis in Childhood Change With Age and Puberty: A 12-Years Cohort Study (EARLYBIRD 77). Frontiers in Nutrition, 2020, 7, 139.	3.7	6
9	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. Clinical Nutrition, 2020, 39, 3147-3152.	5.0	6
10	Resistance to lean mass gain in constitutional thinness in freeâ€living conditions is not overpassed by overfeeding. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1187-1199.	7.3	14
11	Insulin Resistance during normal child growth and development is associated with a distinct blood metabolic phenotype (Earlybird 72). Pediatric Diabetes, 2019, 20, 832-841.	2.9	22
12	Sex-Specific Associations of Blood-Based Nutrient Profiling With Body Composition in the Elderly. Frontiers in Physiology, 2019, 9, 1935.	2.8	10
13	Front cover: Vegan and Animal Meal Composition and Timing Influence Glucose and Lipid Related Postprandial Metabolic Profiles. Molecular Nutrition and Food Research, 2019, 63, 1970013.	3.3	3
14	Vegan and animal meal composition and timing influence glucose and lipid related postprandial metabolic profiles. Molecular Nutrition and Food Research, 2019, 63, 1800568.	3.3	5
15	Consensus Clustering of temporal profiles for the identification of metabolic markers of pre-diabetes in childhood (EarlyBird 73). Scientific Reports, 2018, 8, 1393.	3.3	10
16	A 48â€Hour Vegan Diet Challenge in Healthy Women and Men Induces a BRANCHâ€Chain Amino Acid Related, Health Associated, Metabolic Signature. Molecular Nutrition and Food Research, 2018, 62, 1700703.	3.3	25
17	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.	3.3	0
18	Menstrual cycle rhythmicity: metabolic patterns in healthy women. Scientific Reports, 2018, 8, 14568.	3.3	114

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19	Validation of the Brazilian Healthy Eating Index-Revised Using Biomarkers in Children and Adolescents. Nutrients, 2018, 10, 154.	4.1	22
20	Metabotypes Related to Meat and Vegetable Intake Reflect Microbial, Lipid and Amino Acid Metabolism in Healthy People. Molecular Nutrition and Food Research, 2018, 62, e1800583.	3.3	17
21	The human gut microbiome as source of innovation for health: Which physiological and therapeutic outcomes could we expect?. Therapie, 2017, 72, 21-38.	1.0	28
22	High Throughput and Quantitative Measurement of Microbial Metabolome by Gas Chromatography/Mass Spectrometry Using Automated Alkyl Chloroformate Derivatization. Analytical Chemistry, 2017, 89, 5565-5577.	6.5	117
23	One-carbon metabolism, cognitive impairment and CSF measures of Alzheimer pathology: homocysteine and beyond. Alzheimer's Research and Therapy, 2017, 9, 43.	6.2	46
24	Metabonomics of ageing â€“ Towards understanding metabolism of a long and healthy life. Mechanisms of Ageing and Development, 2017, 165, 171-179.	4.6	17
25	Circadian and Feeding Rhythms Orchestrate the Diurnal Liver Acetylome. Cell Reports, 2017, 20, 1729-1743.	6.4	72
26	High-throughput and simultaneous quantitative analysis of homocysteineâ€“methionine cycle metabolites and co-factors in blood plasma and cerebrospinal fluid by isotope dilution LCâ€“MS/MS. Analytical and Bioanalytical Chemistry, 2017, 409, 295-305.	3.7	74
27	[P2â€“244]: ONEâ€CARBON METABOLISM, COGNITIVE IMPAIRMENT AND CSF MARKERS OF ALZHEIMER PATHOLOGY: HOMOCYSTEINE AND BEYOND. Alzheimer's and Dementia, 2017, 13, P705.	0.8	0
28	Probiotic Bifidobacterium longum NCC3001 Reduces Depression Scores and Alters Brain Activity: A Pilot Study in Patients With Irritable Bowel Syndrome. Gastroenterology, 2017, 153, 448-459.e8.	1.3	542
29	Urinary metabolic insights into host-gut microbial interactions in healthy and IBD children. World Journal of Gastroenterology, 2017, 23, 3643.	3.3	38
30	Urinary Metabolic Phenotyping Reveals Differences in the Metabolic Status of Healthy and Inflammatory Bowel Disease (IBD) Children in Relation to Growth and Disease Activity. International Journal of Molecular Sciences, 2016, 17, 1310.	4.1	24
31	Modeling Longitudinal Metabonomics and Microbiota Interactions in C57BL/6 Mice Fed a High Fat Diet. Analytical Chemistry, 2016, 88, 7617-7626.	6.5	11
32	TERM INFANT FORMULA SUPPLEMENTED WITH HUMAN MILK OLIGOSACCHARIDES (2'FUCOSYLLACTOSE AND) Tj ETQq0 0 0 rgBT /Ove BREASTFED INFANTS.. Journal of Pediatric Gastroenterology and Nutrition, 2016, 63, .	1.8	13
33	High-throughput method for the quantitation of metabolites and co-factors from homocysteineâ€“methionine cycle for nutritional status assessment. Bioanalysis, 2016, 8, 1937-1949.	1.5	23
34	Longitudinal omics modeling and integration in clinical metabonomics research: challenges in childhood metabolic health research. Frontiers in Molecular Biosciences, 2015, 2, 44.	3.5	18
35	Metabonomics in Clinical Practice. Molecular and Integrative Toxicology, 2015, , 25-44.	0.5	1
36	Metabolic Phenotyping of an Adoptive Transfer Mouse Model of Experimental Colitis and Impact of Dietary Fish Oil Intake. Journal of Proteome Research, 2015, 14, 1911-1919.	3.7	9

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37	Blood plasma lipidomic signature of epicardial fat in healthy obese women. Obesity, 2015, 23, 130-137.	3.0	17
38	Introduction to Metabonomics in Systems Biology Research. Molecular and Integrative Toxicology, 2015, , 1-24.	0.5	0
39	Metabonomics and Gut Microbial Paradigm in Healthy Aging. Molecular and Integrative Toxicology, 2015, , 169-184.	0.5	0
40	Genome-Wide Association Study of Metabolic Traits Reveals Novel Gene-Metabolite-Disease Links. PLoS Genetics, 2014, 10, e1004132.	3.5	86
41	Impact of breast-feeding and high- and low-protein formula on the metabolism and growth of infants from overweight and obese mothers. Pediatric Research, 2014, 75, 535-543.	2.3	52
42	Reprint of: Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. Mechanisms of Ageing and Development, 2014, 136-137, 94-100.	4.6	9
43	Objective Set of Criteria for Optimization of Sample Preparation Procedures for Ultra-High Throughput Untargeted Blood Plasma Lipid Profiling by Ultra Performance Liquid Chromatographyâ€“Mass Spectrometry. Analytical Chemistry, 2014, 86, 5766-5774.	6.5	234
44	Systems Biology Approaches for Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2014, 20, 2104-2114.	1.9	32
45	Serum profiling of healthy aging identifies phospho- and sphingolipid species as markers of human longevity. Aging, 2014, 6, 9-25.	3.1	126
46	Assessment of body composition in IBD children by bioelectrical impedance, DEXA and isotopic dilution methods (640.8). FASEB Journal, 2014, 28, 640.8.	0.5	0
47	Effects of increase in fish oil intake on intestinal eicosanoids and inflammation in a mouse model of colitis. Lipids in Health and Disease, 2013, 12, 81.	3.0	19
48	Clinical metabolomics paves the way towards future healthcare strategies. British Journal of Clinical Pharmacology, 2013, 75, 619-629.	2.4	89
49	Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. Mechanisms of Ageing and Development, 2013, 134, 541-547.	4.6	32
50	A Whole-Grainâ€“Rich Diet Reduces Urinary Excretion of Markers of Protein Catabolism and Gut Microbiota Metabolism in Healthy Men after One Week. Journal of Nutrition, 2013, 143, 766-773.	2.9	40
51	Precision of a new tool to measure visceral adipose tissue (VAT) using dualâ€energy Xâ€Ray absorptiometry (DXA). Obesity, 2013, 21, E134-6.	3.0	65
52	Metabolomics in nutrition. , 2013, , 106-123.		0
53	Current status on genomeâ€“metabolome-wide associations: an opportunity in nutrition research. Genes and Nutrition, 2013, 8, 19-27.	2.5	32
54	Metabonomic approaches to nutrient metabolism and future molecular nutrition. TrAC - Trends in Analytical Chemistry, 2013, 52, 112-119.	11.4	14

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55	Early Metabolic Adaptation in C57BL/6 Mice Resistant to High Fat Diet Induced Weight Gain Involves an Activation of Mitochondrial Oxidative Pathways. Journal of Proteome Research, 2013, 12, 1956-1968.	3.7	63
56	Metabolic Signatures of Extreme Longevity in Northern Italian Centenarians Reveal a Complex Remodeling of Lipids, Amino Acids, and Gut Microbiota Metabolism. PLoS ONE, 2013, 8, e56564.	2.5	205
57	Metabolomics perspectives in pediatric research. Pediatric Research, 2013, 73, 570-576.	2.3	58
58	The Effect of Chocolate on Human and Gut Microbial Metabolic Interactions: Emphasis on Human Health and Nutritional Status. , 2013, , 189-200.		0
59	High-Resolution Quantitative Metabolome Analysis of Urine by Automated Flow Injection NMR. Analytical Chemistry, 2013, 85, 5801-5809.	6.5	36
60	Topographical Body Fat Distribution Links to Amino Acid and Lipid Metabolism in Healthy Non-Obese Women. PLoS ONE, 2013, 8, e73445.	2.5	34
61	Transcriptomics and Metabonomics Identify Essential Metabolic Signatures in Calorie Restriction (CR) Regulation across Multiple Mouse Strains. Metabolites, 2013, 3, 881-911.	2.9	13
62	High Fat Diet Accelerates Pathogenesis of Murine Crohnâ€™s Disease-Like Ileitis Independently of Obesity. PLoS ONE, 2013, 8, e71661.	2.5	96
63	Metabolomics View on Gut Microbiome Modulation by Polyphenol-rich Foods. Journal of Proteome Research, 2012, 11, 4781-4790.	3.7	204
64	Precision of GE Lunar iDXA for the Measurement of Total and Regional Body Composition in Nonobese Adults. Journal of Clinical Densitometry, 2012, 15, 399-404.	1.2	91
65	Specific Dietary Preferences Are Linked to Differing Gut Microbial Metabolic Activity in Response to Dark Chocolate Intake. Journal of Proteome Research, 2012, 11, 6252-6263.	3.7	44
66	Metabolomic Applications to Decipher Gut Microbial Metabolic Influence in Health and Disease. Frontiers in Physiology, 2012, 3, 113.	2.8	74
67	Everyday Eating Experiences of Chocolate and Non-Chocolate Snacks Impact Postprandial Anxiety, Energy and Emotional States. Nutrients, 2012, 4, 554-567.	4.1	16
68	Acute experimental stress evokes a differential genderâ€determined increase in human intestinal macromolecular permeability. Neurogastroenterology and Motility, 2012, 24, 740.	3.0	55
69	Metabotyping ofCaenorhabditis elegansand their Culture Media Revealed Unique Metabolic Phenotypes Associated to Amino Acid Deficiency and Insulin-Like Signaling. Journal of Proteome Research, 2011, 10, 990-1003.	3.7	37
70	Nutritional Metabolomics as an Approach to Unravel Metabolic Health Trajectory. Special Publication - Royal Society of Chemistry, 2011, , 139-146.	0.0	0
71	Metabolic Phenotyping of the Crohn's Disease-like IBD Etiopathology in the TNF^{Î”ARE/WT} Mouse Model. Journal of Proteome Research, 2011, 10, 5523-5535.	3.7	63
72	¹H NMRâ€based metabonomic applications to decipher gut microbial metabolic influence on mammalian health. Magnetic Resonance in Chemistry, 2011, 49, S47-54.	1.9	26

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73	Nutritional Metabonomics: An Approach to Promote Personalized Health and Wellness. Chimia, 2011, 65, 396.	0.6	11
74	Promoting Gut Health with Probiotic Metabolomics. , 2011, , 169-185.		0
75	Metabolite Profiling Reveals that Dark Chocolate May Beneficially Modulate the Stress-related Metabolism in Humans. Chimia, 2010, 64, 267.	0.6	1
76	Validation on high variance metabolic profiles: Taste stratification in a free living population. Chemometrics and Intelligent Laboratory Systems, 2010, 104, 8-19.	3.5	3
77	Chemometric strategies to assess metabonomic imprinting of food habits in epidemiological studies. Chemometrics and Intelligent Laboratory Systems, 2010, 104, 95-100.	3.5	40
78	Dietary Modulation of Gut Functional Ecology Studied by Fecal Metabonomics. Journal of Proteome Research, 2010, 9, 5284-5295.	3.7	133
79	Chemometric Strategy for Modeling Metabolic Biological Space along the Gastrointestinal Tract and Assessing Microbial Influences. Analytical Chemistry, 2010, 82, 9803-9811.	6.5	20
80	Isotopomics: A Top-Down Systems Biology Approach for Understanding Dynamic Metabolism in Rats Using [1,2-13C2] Acetate. Analytical Chemistry, 2010, 82, 646-653.	6.5	13
81	Monitoring Healthy Metabolic Trajectories with Nutritional Metabonomics. Nutrients, 2009, 1, 101-110.	4.1	13
82	Metabolic shifts due to long-term caloric restriction revealed in nonhuman primates. Experimental Gerontology, 2009, 44, 356-362.	2.8	70
83	Topographical Variation in Murine Intestinal Metabolic Profiles in Relation to Microbiome Speciation and Functional Ecological Activity. Journal of Proteome Research, 2009, 8, 3464-3474.	3.7	62
84	Metabolic Assessment of Gradual Development of Moderate Experimental Colitis in IL-10 Deficient Mice. Journal of Proteome Research, 2009, 8, 2376-2387.	3.7	73
85	Metabotyping of Biofluids Reveals Stress-Based Differences in Gut Permeability in Healthy Individuals. Journal of Proteome Research, 2009, 8, 4799-4809.	3.7	33
86	Multivariate Modeling Strategy for Intercompartmental Analysis of Tissue and Plasma ¹H NMR Spectrotypes. Journal of Proteome Research, 2009, 8, 2397-2406.	3.7	51
87	Alignment Using Variable Penalty Dynamic Time Warping. Analytical Chemistry, 2009, 81, 1000-1007.	6.5	79
88	Panorganismal Gut Microbiomeâ˜Host Metabolic Crosstalk. Journal of Proteome Research, 2009, 8, 2090-2105.	3.7	151
89	Metabolic Effects of Dark Chocolate Consumption on Energy, Gut Microbiota, and Stress-Related Metabolism in Free-Living Subjects. Journal of Proteome Research, 2009, 8, 5568-5579.	3.7	127
90	Automated SPE-RP-HPLC fractionation of biofluids combined to off-line NMR spectroscopy for biomarker identification in metabonomics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 871, 271-278.	2.3	30

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91	Metabonomic and Microbiological Analysis of the Dynamic Effect of Vancomycin-Induced Gut Microbiota Modification in the Mouse. Journal of Proteome Research, 2008, 7, 3718-3728.	3.7	202
92	Systemic multicompartmental effects of the gut microbiome on mouse metabolic phenotypes. Molecular Systems Biology, 2008, 4, 219.	7.2	304
93	Probiotic modulation of symbiotic gut microbialâ€“host metabolic interactions in a humanized microbiome mouse model. Molecular Systems Biology, 2008, 4, 157.	7.2	392
94	Topâ€down systems biology integration of conditional prebiotic modulated transgenomic interactions in a humanized microbiome mouse model. Molecular Systems Biology, 2008, 4, 205.	7.2	86
95	A topâ€down systems biology view of microbiomeâ€mammalian metabolic interactions in a mouse model. Molecular Systems Biology, 2007, 3, 112.	7.2	420
96	Analysis of Time-Related Metabolic Fluctuations Induced by Ethionine in the Rat. Journal of Proteome Research, 2007, 6, 4572-4581.	3.7	51
97	Effects of ProbioticLactobacillusParacaseiTreatment on the Host Gut Tissue Metabolic Profiles ProbedviaMagic-Angle-Spinning NMR Spectroscopy. Journal of Proteome Research, 2007, 6, 1471-1481.	3.7	88
98	Human Metabolic Phenotypes Link Directly to Specific Dietary Preferences in Healthy Individuals. Journal of Proteome Research, 2007, 6, 4469-4477.	3.7	156
99	Transgenomic Metabolic Interactions in a Mouse Disease Model:Â Interactions ofTrichinellaspiralisInfection with DietaryLactobacillusparacaseiSupplementation. Journal of Proteome Research, 2006, 5, 2185-2193.	3.7	76