

Francois-Pierre J Martin

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97
papers

4,810
citations

38
h-index

68
g-index

107
ext. papers

5,564
ext. citations

5.5
avg, IF

5.03
L-index

#	Paper	IF	Citations
97	A top-down systems biology view of microbiome-mammalian metabolic interactions in a mouse model. <i>Molecular Systems Biology</i> , 2007 , 3, 112	12.2	374
96	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	13.3	358
95	Probiotic modulation of symbiotic gut microbial-host metabolic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008 , 4, 157	12.2	304
94	Systemic multicompartamental effects of the gut microbiome on mouse metabolic phenotypes. <i>Molecular Systems Biology</i> , 2008 , 4, 219	12.2	261
93	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, 3718-28	5.6	185
92	Metabolomics view on gut microbiome modulation by polyphenol-rich foods. <i>Journal of Proteome Research</i> , 2012 , 11, 4781-90	5.6	172
91	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, 5766-74	7.8	153
90	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	3.7	148
89	Human metabolic phenotypes link directly to specific dietary preferences in healthy individuals. <i>Journal of Proteome Research</i> , 2007 , 6, 4469-77	5.6	145
88	Panorganismal gut microbiome-host metabolic crosstalk. <i>Journal of Proteome Research</i> , 2009 , 8, 2090-1056	5.6	137
87	Dietary modulation of gut functional ecology studied by fecal metabonomics. <i>Journal of Proteome Research</i> , 2010 , 9, 5284-95	5.6	116
86	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, 5568-79	5.6	107
85	Serum profiling of healthy aging identifies phospho- and sphingolipid species as markers of human longevity. <i>Aging</i> , 2014 , 6, 9-25	5.6	91
84	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	12.2	84
83	Effects of probiotic Lactobacillus paracasei treatment on the host gut tissue metabolic profiles probed via magic-angle-spinning NMR spectroscopy. <i>Journal of Proteome Research</i> , 2007 , 6, 1471-81	5.6	83
82	High fat diet accelerates pathogenesis of murine Crohn's disease-like ileitis independently of obesity. <i>PLoS ONE</i> , 2013 , 8, e71661	3.7	78
81	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	7.8	74

80	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	3.5	72
79	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, 2185-93	5.6	72
78	Genome-wide association study of metabolic traits reveals novel gene-metabolite-disease links. <i>PLoS Genetics</i> , 2014 , 10, e1004132	6	70
77	Metabolomic applications to decipher gut microbial metabolic influence in health and disease. <i>Frontiers in Physiology</i> , 2012 , 3, 113	4.6	67
76	Clinical metabolomics paves the way towards future healthcare strategies. <i>British Journal of Clinical Pharmacology</i> , 2013 , 75, 619-29	3.8	64
75	Metabolic shifts due to long-term caloric restriction revealed in nonhuman primates. <i>Experimental Gerontology</i> , 2009 , 44, 356-62	4.5	64
74	Metabolic assessment of gradual development of moderate experimental colitis in IL-10 deficient mice. <i>Journal of Proteome Research</i> , 2009 , 8, 2376-87	5.6	63
73	Alignment using variable penalty dynamic time warping. <i>Analytical Chemistry</i> , 2009 , 81, 1000-7	7.8	63
72	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	8	60
71	Topographical variation in murine intestinal metabolic profiles in relation to microbiome speciation and functional ecological activity. <i>Journal of Proteome Research</i> , 2009 , 8, 3464-74	5.6	59
70	Metabolic phenotyping of the Crohn's disease-like IBD etiopathology in the TNF(ARE/WT) mouse model. <i>Journal of Proteome Research</i> , 2011 , 10, 5523-35	5.6	57
69	Menstrual cycle rhythmicity: metabolic patterns in healthy women. <i>Scientific Reports</i> , 2018 , 8, 14568	4.9	55
68	Circadian and Feeding Rhythms Orchestrate the Diurnal Liver Acetylome. <i>Cell Reports</i> , 2017 , 20, 1729-1743	4.6	51
67	Multivariate modeling strategy for intercompartmental analysis of tissue and plasma ¹ H NMR spectrotypes. <i>Journal of Proteome Research</i> , 2009 , 8, 2397-406	5.6	49
66	Analysis of time-related metabolic fluctuations induced by ethionine in the rat. <i>Journal of Proteome Research</i> , 2007 , 6, 4572-81	5.6	48
65	Acute experimental stress evokes a differential gender-determined increase in human intestinal macromolecular permeability. <i>Neurogastroenterology and Motility</i> , 2012 , 24, 740-6, e348-9	4	47
64	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, 1956-68	5.6	47
63	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	4.4	46

62	Metabolomics perspectives in pediatric research. <i>Pediatric Research</i> , 2013 , 73, 570-6	3.2	46
61	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, 6252-63	5.6	38
60	Chemometric strategies to assess metabonomic imprinting of food habits in epidemiological studies. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010 , 104, 95-100	3.8	38
59	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, 535-43	3.2	36
58	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, 766-73	4.1	33
57	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	5.6	33
56	Metabotyping of biofluids reveals stress-based differences in gut permeability in healthy individuals. <i>Journal of Proteome Research</i> , 2009 , 8, 4799-809	5.6	33
55	Topographical body fat distribution links to amino acid and lipid metabolism in healthy obese women [corrected]. <i>PLoS ONE</i> , 2013 , 8, e73445	3.7	30
54	High-resolution quantitative metabolome analysis of urine by automated flow injection NMR. <i>Analytical Chemistry</i> , 2013 , 85, 5801-9	7.8	28
53	Systems biology approaches for inflammatory bowel disease: emphasis on gut microbial metabolism. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, 2104-14	4.5	26
52	Current status on genome-metabolome-wide associations: an opportunity in nutrition research. <i>Genes and Nutrition</i> , 2013 , 8, 19-27	4.3	26
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, 271-8	3.2	26
50	One-carbon metabolism, cognitive impairment and CSF measures of Alzheimer pathology: homocysteine and beyond. <i>Alzheimer's Research and Therapy</i> , 2017 , 9, 43	9	25
49	¹ H NMR-based metabonomic applications to decipher gut microbial metabolic influence on mammalian health. <i>Magnetic Resonance in Chemistry</i> , 2011 , 49 Suppl 1, S47-54	2.1	25
48	Urinary metabolic insights into host-gut microbial interactions in healthy and IBD children. <i>World Journal of Gastroenterology</i> , 2017 , 23, 3643-3654	5.6	23
47	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	3.8	22
46	Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. <i>Mechanisms of Ageing and Development</i> , 2013 , 134, 541-7	5.6	19
45	Chemometric strategy for modeling metabolic biological space along the gastrointestinal tract and assessing microbial influences. <i>Analytical Chemistry</i> , 2010 , 82, 9803-11	7.8	19

44	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	4.4	17
43	Sialylated human milk oligosaccharides program cognitive development through a non-genomic transmission mode. <i>Molecular Psychiatry</i> , 2021 , 26, 2854-2871	15.1	17
42	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,	6.3	17
41	Longitudinal omics modeling and integration in clinical metabonomics research: challenges in childhood metabolic health research. <i>Frontiers in Molecular Biosciences</i> , 2015 , 2, 44	5.6	16
40	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, 17007-17033	5.9	15
39	High-throughput method for the quantitation of metabolites and co-factors from homocysteine-methionine cycle for nutritional status assessment. <i>Bioanalysis</i> , 2016 , 8, 1937-49	2.1	15
38	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	5.9	14
37	Blood plasma lipidomic signature of epicardial fat in healthy obese women. <i>Obesity</i> , 2015 , 23, 130-7	8	13
36	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, 646-53	7.8	13
35	Validation of the Brazilian Healthy Eating Index-Revised Using Biomarkers in Children and Adolescents. <i>Nutrients</i> , 2018 , 10,	6.7	12
34	Transcriptomics and Metabonomics Identify Essential Metabolic Signatures in Calorie Restriction (CR) Regulation across Multiple Mouse Strains. <i>Metabolites</i> , 2013 , 3, 881-911	5.6	12
33	Monitoring healthy metabolic trajectories with nutritional metabonomics. <i>Nutrients</i> , 2009 , 1, 101-10	6.7	12
32	Genetic Susceptibility Determines ECell Function and Fasting Glycemia Trajectories Throughout Childhood: A 12-Year Cohort Study (EarlyBird 76). <i>Diabetes Care</i> , 2020 , 43, 653-660	14.6	12
31	Metabonomic approaches to nutrient metabolism and future molecular nutrition. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 52, 112-119	14.6	11
30	Everyday eating experiences of chocolate and non-chocolate snacks impact postprandial anxiety, energy and emotional states. <i>Nutrients</i> , 2012 , 4, 554-67	6.7	11
29	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	3.6	9
28	Nutritional metabonomics: an approach to promote personalized health and wellness. <i>Chimia</i> , 2011 , 65, 396-9	1.3	9
27	TERM INFANT FORMULA SUPPLEMENTED WITH HUMAN MILK OLIGOSACCHARIDES (2BUCOSYLLACTOSE AND LACTO-NEOTETRAOSE) SHIFTS STOOM MICROBIOTA AND METABOLIC SIGNATURES CLOSER TO THAT OF BREASTFED INFANTS.. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016 , 63, S55	2.8	9

26	Metabonomics of ageing - Towards understanding metabolism of a long and healthy life. <i>Mechanisms of Ageing and Development</i> , 2017 , 165, 171-179	5.6	8
25	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, 1911-9	5.6	8
24	Modeling Longitudinal Metabonomics and Microbiota Interactions in C57BL/6 Mice Fed a High Fat Diet. <i>Analytical Chemistry</i> , 2016 , 88, 7617-26	7.8	8
23	Sex-Specific Associations of Blood-Based Nutrient Profiling With Body Composition in the Elderly. <i>Frontiers in Physiology</i> , 2018 , 9, 1935	4.6	7
22	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	10.3	7
21	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	5.6	7
20	Human Milk Oligosaccharide-Stimulated Species Contribute to Prevent Later Respiratory Tract Infections. <i>Microorganisms</i> , 2021 , 9,	4.9	6
19	Vegan and Animal Meal Composition and Timing Influence Glucose and Lipid Related Postprandial Metabolic Profiles. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1800568	5.9	4
18	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	4.9	4
17	Validation on high variance metabolic profiles: Taste stratification in a free living population. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010 , 104, 8-19	3.8	3
16	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	5.9	2
15	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	6.2	2
14	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	3.7	2
13	Bioactive host-microbial metabolites in human nutrition with a focus on aromatic amino acid co-metabolism 2017 , 258-274		1
12	Metabonomics in Clinical Practice. <i>Molecular and Integrative Toxicology</i> , 2015 , 25-44	0.5	1
11	Deciphering the Gut Microbial Contribution to the Etiology of Autism Development. <i>Molecular and Integrative Toxicology</i> , 2015 , 311-322	0.5	1
10	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	5.9	1
9	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	1.3	0

8 Metabolomics in nutrition **2013**, 106-123

7 Shaping the Future of Personalized Nutrition with Metabolomics **2013**, 271-301

6 [P2044]: ONE-CARBON METABOLISM, COGNITIVE IMPAIRMENT AND CSF MARKERS OF ALZHEIMER PATHOLOGY: HOMOCYSTEINE AND BEYOND **2017**, 13, P705-P705

5 The Effect of Chocolate on Human and Gut Microbial Metabolic Interactions: Emphasis on Human Health and Nutritional Status **2013**, 189-200

4 Assessment of body composition in IBD children by bioelectrical impedance, DEXA and isotopic dilution methods (640.8). *FASEB Journal*, **2014**, 28, 640.8 0.9

3 Introduction to Metabonomics in Systems Biology Research. *Molecular and Integrative Toxicology*, **2015**, 1-24 0.5

2 Metabonomics and Gut Microbial Paradigm in Healthy Aging. *Molecular and Integrative Toxicology*, **2015**, 169-184 0.5

1 Promoting Gut Health with Probiotic Metabolomics **2011**, 169-185