Estelle Pujos-Guillot

List of Publications by Year
in descending order

79	4,270	182225	129628
papers	citations	30 h-index	63 g-index

81	81	81	7983
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Targeting the gut to prevent and counteract metabolic disorders and pathologies during aging. Critical Reviews in Food Science and Nutrition, 2023, 63, 11185-11210.	5.4	2
2	Metaproteomics Approach and Pathway Modulation in Obesity and Diabetes: A Narrative Review. Nutrients, 2022, 14, 47.	1.7	7
3	HDHL-INTIMIC: A European Knowledge Platform on Food, Diet, Intestinal Microbiomics, and Human Health. Nutrients, 2022, 14, 1881.	1.7	4
4	PeakForest: a multi-platform digital infrastructure for interoperable metabolite spectral data and metadata management. Metabolomics, 2022, 18, .	1.4	4
5	Deep learning in systems medicine. Briefings in Bioinformatics, 2021, 22, 1543-1559.	3.2	22
6	Non-targeted metabolomics analyses by mass spectrometry to explore metabolic stress after six training weeks in high level swimmers.. Journal of Sports Sciences, 2021, 39, 969-978.	1.0	6
7	An Early Stage Researcher's Primer on Systems Medicine Terminology. Network and Systems Medicine, 2021, 4, 2-50.	2.7	9
8	Multiplatform metabolomics for an integrative exploration of metabolic syndrome in older men. EBioMedicine, 2021, 69, 103440.	2.7	18
9	Elevated gut microbiome abundance of Christensenellaceae, Porphyromonadaceae and Rikenellaceae is associated with reduced visceral adipose tissue and healthier metabolic profile in Italian elderly. Gut Microbes, 2021, 13, 1-19.	4.3	127
10	ProMetIS, deep phenotyping of mouse models by combined proteomics and metabolomics analysis. Scientific Data, 2021, 8, 311.	2.4	6
11	A hybrid and exploratory approach to knowledge discovery in metabolomic data. Discrete Applied Mathematics, 2020, 273, 103-116.	0.5	11
12	Network and Systems Medicine: Position Paper of the European Collaboration on Science and Technology Action on Open Multiscale Systems Medicine. Network and Systems Medicine, 2020, 3, 67-90.	2.7	18
13	Heme-Iron-Induced Production of 4-Hydroxynonenal in Intestinal Lumen May Have Extra-Intestinal Consequences through Protein-Adduct Formation. Antioxidants, 2020, 9, 1293.	2.2	11
14	Mediterranean diet intervention alters the gut microbiome in older people reducing frailty and improving health status: the NU-AGE 1-year dietary intervention across five European countries. Gut, 2020, 69, 1218-1228.	6.1	465
15	Metabolomic and Lipidomic Signatures of Metabolic Syndrome and its Physiological Components in Adults: A Systematic Review. Scientific Reports, 2020, 10, 669.	1.6	64
16	Untargeted plasma metabolomic profiles associated with overall diet in women from the SU.VI.MAX cohort. European Journal of Nutrition, 2020, 59, 3425-3439.	1.8	10
17	Diet-Related Metabolomic Signature of Long-Term Breast Cancer Risk Using Penalized Regression: An Exploratory Study in the SU.VI.MAX Cohort. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 396-405.	1.1	18
18	Analytic Correlation Filtration: A New Tool to Reduce Analytical Complexity of Metabolomic Datasets. Metabolites, 2019, 9, 250.	1.3	5

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19	WiPP: Workflow for Improved Peak Picking for Gas Chromatography-Mass Spectrometry (GC-MS) Data. Metabolites, 2019, 9, 171.	1.3	19
20	Multi-block PLS discriminant analysis for the joint analysis of metabolomic and epidemiological data. Metabolomics, 2019, 15, 134.	1.4	6
21	DietâEˆRelated Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. Molecular Nutrition and Food Research, 2019, 63, e1900177.	1.5	40
22	Discovery and Validation of Banana Intake Biomarkers Using Untargeted Metabolomics in Human Intervention and Cross-sectional Studies. Journal of Nutrition, 2019, 149, 1701-1713.	1.3	27
23	Plasma Metabolomic Signatures Associated with Long-term Breast Cancer Risk in the SU.VI.MAX Prospective Cohort. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 1300-1307.	1.1	30
24	Proposal for a chemically consistent way to annotate ions arising from the analysis of reference compounds under ESI conditions: A prerequisite to proper mass spectral database constitution in metabolomics. Journal of Mass Spectrometry, 2019, 54, 567-582.	0.7	13
25	Profound Changes in Net Energy and Nitrogen Metabolites Fluxes within the Splanchnic Area during Overfeeding of Yucatan Mini Pigs That Remain Euglycemic. Nutrients, 2019, 11, 434.	1.7	5
26	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. Molecular Nutrition and Food Research, 2019, 63, e1800384.	1.5	173
27	Exploratory GC/MS-Based Metabolomics of Body Fluids. Methods in Molecular Biology, 2018, 1730, 239-246.	0.4	5
28	Metabolic adaptations to HFHS overfeeding: how whole body and tissues postprandial metabolic flexibility adapt in Yucatan mini-pigs. European Journal of Nutrition, 2018, 57, 119-135.	1.8	15
29	Evaluation of oxidized phospholipids analysis by LC-MS/MS. Analytical and Bioanalytical Chemistry, 2018, 410, 633-647.	1.9	14
30	Targeting Colon Luminal Lipid Peroxidation Limits Colon Carcinogenesis Associated with Red Meat Consumption. Cancer Prevention Research, 2018, 11, 569-580.	0.7	19
31	Metabolomics Reveals that the Type of Protein in a High-Fat Meal Modulates Postprandial Mitochondrial Overload and Incomplete Substrate Oxidation in Healthy Overweight Men. Journal of Nutrition, 2018, 148, 876-884.	1.3	6
32	A Data Integration Multi-Omics Approach to Study Calorie Restriction-Induced Changes in Insulin Sensitivity. Frontiers in Physiology, 2018, 9, 1958.	1.3	39
33	Identification of Pre-frailty Sub-Phenotypes in Elderly Using Metabolomics. Frontiers in Physiology, 2018, 9, 1903.	1.3	37
34	Systems Metabolomics for Prediction of Metabolic Syndrome. Journal of Proteome Research, 2017, 16, 2262-2272.	1.8	41
35	Myofiber metabolic type determination by mass spectrometry imaging. Journal of Mass Spectrometry, 2017, 52, 493-496.	0.7	6
36	Feature Selection Methods for Early Predictive Biomarker Discovery Using Untargeted Metabolomic Data. Frontiers in Molecular Biosciences, 2016, 3, 30.	1.6	77

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37	A Proof of Concept to Bridge the Gap between Mass Spectrometry Imaging, Protein Identification and Relative Quantitation: MSI–LC-MS/MS-LF. Proteomes, 2016, 4, 32.	1.7	15
38	Weight for gestational age and metabolically healthy obesity in adults from the Haguenau cohort. BMJ Open, 2016, 6, e011367.	0.8	8
39	Dietary intake in young adults born small or appropriate for gestational age: data from the Haguenau cohort. BMJ Open, 2016, 6, e012309.	0.8	0
40	Red meat and colorectal cancer: Nrf2-dependent antioxidant response contributes to the resistance of preneoplastic colon cells to fecal water of hemoglobin- and beef-fed rats. Carcinogenesis, 2016, 37, 635-645.	1.3	34
41	Time Course of Molecular and Metabolic Events in the Development of Insulin Resistance in Fructose-Fed Rats. Journal of Proteome Research, 2016, 15, 1862-1874.	1.8	20
42	Change in B and E vitamin and lutein, Î²-sitosterol contents in industrial milling fractions and during toasted bread production. Journal of Cereal Science, 2016, 69, 290-296.	1.8	15
43	Quantification of 4-hydroxy-2-nonenal-protein adducts in the in vivo gastric digesta of mini-pigs using a GC-MS/MS method with accuracy profile validation. Food and Function, 2016, 7, 3497-3504.	2.1	8
44	A Hybrid Knowledge Discovery Approach for Mining Predictive Biomarkers in Metabolomic Data. Lecture Notes in Computer Science, 2016, , 572-587.	1.0	3
45	Development of a LC-MS/MS method for the simultaneous screening of seven water-soluble vitamins in processing semi-coarse wheat flour products. Analytical and Bioanalytical Chemistry, 2015, 407, 3471-3479.	1.9	28
46	Can we trust untargeted metabolomics? Results of the metabo-ring initiative, a large-scale, multi-instrument inter-laboratory study. Metabolomics, 2015, 11, 807-821.	1.4	112
47	Cyclic Fatty Acids Found in Frying Oils are Detoxified via Classical Drug Metabolic Pathway but also by Î²â€Oxidation and Eliminated as Conjugates in Rats. Lipids, 2015, 50, 381-396.	0.7	3
48	Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. Cell Metabolism, 2015, 22, 320-331.	7.2	345
49	Postprandial metabolic events in mini-pigs: new insights from a combined approach using plasma metabolomics, tissue gene expression, and enzyme activity. Metabolomics, 2015, 11, 964-979.	1.4	6
50	Assessment of protein modifications in liver of rats under chronic treatment with paracetamol (acetaminophen) using two complementary mass spectrometry-based metabolomic approaches. Journal of Proteomics, 2015, 120, 194-203.	1.2	10
51	Metabolomics reveals differential metabolic adjustments of normal and overweight subjects during overfeeding. Metabolomics, 2015, 11, 920-938.	1.4	13
52	New Biomarkers of Coffee Consumption Identified by the Non-Targeted Metabolomic Profiling of Cohort Study Subjects. PLoS ONE, 2014, 9, e93474.	1.1	108
53	Discovery and validation of urinary exposure markers for different plant foods by untargeted metabolomics. Analytical and Bioanalytical Chemistry, 2014, 406, 1829-1844.	1.9	77
54	Untargeted Metabolomics as a Screening Tool for Estimating Compliance to a Dietary Pattern. Journal of Proteome Research, 2014, 13, 1405-1418.	1.8	121

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55	Lipid Profiling following Intake of the Omega 3 Fatty Acid DHA Identifies the Peroxidized Metabolites F4-Neuroprostanes as the Best Predictors of Atherosclerosis Prevention. PLoS ONE, 2014, 9, e89393.	1.1	69
56	Exploring Metabolome with GC/MS. Advances in Botanical Research, 2013, 67, 303-329.	0.5	4
57	Resistant starch intake partly restores metabolic and inflammatory alterations in the liver of high-fat-diet-fed rats. Journal of Nutritional Biochemistry, 2013, 24, 1920-1930.	1.9	43
58	Mass Spectrometry-based Metabolomics for the Discovery of Biomarkers of Fruit and Vegetable Intake: Citrus Fruit as a Case Study. Journal of Proteome Research, 2013, 12, 1645-1659.	1.8	147
59	Increasing intake of long-chainn-3 PUFA enhances lipoperoxidation and modulates hepatic gene expression in a dose-dependent manner. British Journal of Nutrition, 2012, 107, 1254-1273.	1.2	20
60	La mÃ©tabolomiqueÂ: de nouvelles perspectives en nutrition humaine. Cahiers De Nutrition Et De Dietetique, 2012, 47, 93-100.	0.2	0
61	Semi-targeted metabolomic approaches to validate potential markers of health for micronutrients: analytical perspectives. Metabolomics, 2012, 8, 1114-1129.	1.4	7
62	Therapeutic paracetamol treatment in older persons induces dietary and metabolic modifications related to sulfur amino acids. Age, 2012, 34, 181-193.	3.0	20
63	Resveratrol prevents the wasting disorders of mechanical unloading by acting as a physical exercise mimetic in the rat. FASEB Journal, 2011, 25, 3646-3660.	0.2	160
64	Disruption of Chronic Cariporide Treatment Abrogates Myocardial Ion Homeostasis During Acute Ischemia Reperfusion. Journal of Cardiovascular Pharmacology, 2011, 58, 284-294.	0.8	2
65	Enterohaemorrhagic Escherichia coli gains a competitive advantage by using ethanolamine as a nitrogen source in the bovine intestinal content. Environmental Microbiology, 2011, 13, 365-377.	1.8	159
66	Effects of fish oil and starch added to a diet containing sunflower-seed oil on dairy goat performance, milk fatty acid composition andin vivoÎ”9-desaturation of [¹³C]vaccenic acid. British Journal of Nutrition, 2010, 104, 346-354.	1.2	42
67	Development and validation of a UPLC/MS method for a nutritional metabolomic study of human plasma. Metabolomics, 2010, 6, 207-218.	1.4	63
68	Presence of low-grade inflammation impaired postprandial stimulation of muscle protein synthesis in old rats. Journal of Nutritional Biochemistry, 2010, 21, 325-331.	1.9	84
69	Variation in Content and Composition of Phenolic Compounds in Permanent Pastures According to Botanical Variation. Journal of Agricultural and Food Chemistry, 2010, 58, 5485-5494.	2.4	29
70	Development of a Quantitative Metabolomic Approach to Study Clinical Human Fecal Water Metabolome Based on Trimethylsilylation Derivatization and GC/MS Analysis. Analytical Chemistry, 2010, 82, 6447-6456.	3.2	137
71	Mass-spectrometry-based metabolomics: limitations and recommendations for future progress with particular focus on nutrition research. Metabolomics, 2009, 5, 435-458.	1.4	462
72	Metabolite analysis of human fecal water by gas chromatography/mass spectrometry with ethyl chloroformate derivatization. Analytical Biochemistry, 2009, 393, 163-175.	1.1	132

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73	Metabolomics in evaluation of glucose disorders. Current Opinion in Clinical Nutrition and Metabolic Care, 2009, 12, 412-418.	1.3	22
74	The NuGO proof of principle study package: a collaborative research effort of the European Nutrigenomics Organisation. Genes and Nutrition, 2008, 3, 147-151.	1.2	22
75	A Liquid Chromatographyâ^'Quadrupole Time-of-Flight (LCâ^'QTOF)-based Metabolomic Approach Reveals New Metabolic Effects of Catechin in Rats Fed High-Fat Diets. Journal of Proteome Research, 2008, 7, 2388-2398.	1.8	66
76	Metabolomics Provide New Insight on the Metabolism of Dietary Phytochemicals in Rats. Journal of Nutrition, 2008, 138, 1282-1287.	1.3	62
77	Influence of acute phytochemical intake on human urinary metabolomic profiles. American Journal of Clinical Nutrition, 2007, 86, 1687-1693.	2.2	124
78	Influence of acute phytochemical intake on human urinary metabolomic profiles. American Journal of Clinical Nutrition, 2007, 86, 1687-1693.	2.2	88
79	Applying an untargeted metabolomics approach using two complementary platforms for the discovery and validation of banana intake biomarkers. , 0, , .		0