

Estelle Pujos-Guillot

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

4,270
citations

159358

30
h-index

114278

63
g-index

81
all docs

81
docs citations

81
times ranked

7269
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Gut</i> , 2020, 69, 1218-1228.	6.1	465
2	Mass-spectrometry-based metabolomics: limitations and recommendations for future progress with particular focus on nutrition research. <i>Metabolomics</i> , 2009, 5, 435-458.	1.4	462
3	Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. <i>Cell Metabolism</i> , 2015, 22, 320-331.	7.2	345
4	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800384.	1.5	173
5	Resveratrol prevents the wasting disorders of mechanical unloading by acting as a physical exercise mimetic in the rat. <i>FASEB Journal</i> , 2011, 25, 3646-3660.	0.2	160
6	Enterohaemorrhagic <i>Escherichia coli</i> gains a competitive advantage by using ethanolamine as a nitrogen source in the bovine intestinal content. <i>Environmental Microbiology</i> , 2011, 13, 365-377.	1.8	159
7	Mass Spectrometry-based Metabolomics for the Discovery of Biomarkers of Fruit and Vegetable Intake: Citrus Fruit as a Case Study. <i>Journal of Proteome Research</i> , 2013, 12, 1645-1659.	1.8	147
8	Development of a Quantitative Metabolomic Approach to Study Clinical Human Fecal Water Metabolome Based on Trimethylsilylation Derivatization and GC/MS Analysis. <i>Analytical Chemistry</i> , 2010, 82, 6447-6456.	3.2	137
9	Metabolite analysis of human fecal water by gas chromatography/mass spectrometry with ethyl chloroformate derivatization. <i>Analytical Biochemistry</i> , 2009, 393, 163-175.	1.1	132
10	Elevated gut microbiome abundance of <i>Christensenellaceae</i> , <i>Porphyromonadaceae</i> and <i>Rikenellaceae</i> is associated with reduced visceral adipose tissue and healthier metabolic profile in Italian elderly. <i>Gut Microbes</i> , 2021, 13, 1-19.	4.3	127
11	Influence of acute phytochemical intake on human urinary metabolomic profiles. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1687-1693.	2.2	124
12	Untargeted Metabolomics as a Screening Tool for Estimating Compliance to a Dietary Pattern. <i>Journal of Proteome Research</i> , 2014, 13, 1405-1418.	1.8	121
13	Can we trust untargeted metabolomics? Results of the metabo-ring initiative, a large-scale, multi-instrument inter-laboratory study. <i>Metabolomics</i> , 2015, 11, 807-821.	1.4	112
14	New Biomarkers of Coffee Consumption Identified by the Non-Targeted Metabolomic Profiling of Cohort Study Subjects. <i>PLoS ONE</i> , 2014, 9, e93474.	1.1	108
15	Influence of acute phytochemical intake on human urinary metabolomic profiles. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1687-1693.	2.2	88
16	Presence of low-grade inflammation impaired postprandial stimulation of muscle protein synthesis in old rats. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 325-331.	1.9	84
17	Discovery and validation of urinary exposure markers for different plant foods by untargeted metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1829-1844.	1.9	77
18	Feature Selection Methods for Early Predictive Biomarker Discovery Using Untargeted Metabolomic Data. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 30.	1.6	77

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19	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
20	A Liquid Chromatography-Quadrupole Time-of-Flight (LC-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
21	Metabolomic and Lipidomic Signatures of Metabolic Syndrome and its Physiological Components in Adults: A Systematic Review. Scientific Reports, 2020, 10, 669.	1.6	64
22	Development and validation of a UPLC/MS method for a nutritional metabolomic study of human plasma. Metabolomics, 2010, 6, 207-218.	1.4	63
23	Metabolomics Provide New Insight on the Metabolism of Dietary Phytochemicals in Rats. Journal of Nutrition, 2008, 138, 1282-1287.	1.3	62
24	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
25	Effects of fish oil and starch added to a diet containing sunflower-seed oil on dairy goat performance, milk fatty acid composition and <i>in vivo</i> ¹⁹ C-vaccenic acid. British Journal of Nutrition, 2010, 104, 346-354.	1.2	42
26	Systems Metabolomics for Prediction of Metabolic Syndrome. Journal of Proteome Research, 2017, 16, 2262-2272.	1.8	41
27	Diet-Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. Molecular Nutrition and Food Research, 2019, 63, e1900177.	1.5	40
28	A Data Integration Multi-Omics Approach to Study Calorie Restriction-Induced Changes in Insulin Sensitivity. Frontiers in Physiology, 2018, 9, 1958.	1.3	39
29	Identification of Pre-frailty Sub-Phenotypes in Elderly Using Metabolomics. Frontiers in Physiology, 2018, 9, 1903.	1.3	37
30	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
31	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
32	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
33	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
34	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
35	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
36	Metabolomics in evaluation of glucose disorders. Current Opinion in Clinical Nutrition and Metabolic Care, 2009, 12, 412-418.	1.3	22

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37	Deep learning in systems medicine. <i>Briefings in Bioinformatics</i> , 2021, 22, 1543-1559.	3.2	22
38	Increasing intake of long-chain n-3 PUFA enhances lipoperoxidation and modulates hepatic gene expression in a dose-dependent manner. <i>British Journal of Nutrition</i> , 2012, 107, 1254-1273.	1.2	20
39	Therapeutic paracetamol treatment in older persons induces dietary and metabolic modifications related to sulfur amino acids. <i>Age</i> , 2012, 34, 181-193.	3.0	20
40	Time Course of Molecular and Metabolic Events in the Development of Insulin Resistance in Fructose-Fed Rats. <i>Journal of Proteome Research</i> , 2016, 15, 1862-1874.	1.8	20
41	Targeting Colon Luminal Lipid Peroxidation Limits Colon Carcinogenesis Associated with Red Meat Consumption. <i>Cancer Prevention Research</i> , 2018, 11, 569-580.	0.7	19
42	WiPP: Workflow for Improved Peak Picking for Gas Chromatography-Mass Spectrometry (GC-MS) Data. <i>Metabolites</i> , 2019, 9, 171.	1.3	19
43	Network and Systems Medicine: Position Paper of the European Collaboration on Science and Technology Action on Open Multiscale Systems Medicine. <i>Network and Systems Medicine</i> , 2020, 3, 67-90.	2.7	18
44	Diet-Related Metabolomic Signature of Long-Term Breast Cancer Risk Using Penalized Regression: An Exploratory Study in the SU.VI.MAX Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 396-405.	1.1	18
45	Multiplatform metabolomics for an integrative exploration of metabolic syndrome in older men. <i>EBioMedicine</i> , 2021, 69, 103440.	2.7	18
46	A Proof of Concept to Bridge the Gap between Mass Spectrometry Imaging, Protein Identification and Relative Quantitation: MSI-LC-MS/MS-LF. <i>Proteomes</i> , 2016, 4, 32.	1.7	15
47	Change in B and E vitamin and lutein, $\hat{1}^2$ -sitosterol contents in industrial milling fractions and during toasted bread production. <i>Journal of Cereal Science</i> , 2016, 69, 290-296.	1.8	15
48	Metabolic adaptations to HFHS overfeeding: how whole body and tissues postprandial metabolic flexibility adapt in Yucatan mini-pigs. <i>European Journal of Nutrition</i> , 2018, 57, 119-135.	1.8	15
49	Evaluation of oxidized phospholipids analysis by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 633-647.	1.9	14
50	Metabolomics reveals differential metabolic adjustments of normal and overweight subjects during overfeeding. <i>Metabolomics</i> , 2015, 11, 920-938.	1.4	13
51	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. <i>Journal of Mass Spectrometry</i> , 2019, 54, 567-582.	0.7	13
52	A hybrid and exploratory approach to knowledge discovery in metabolomic data. <i>Discrete Applied Mathematics</i> , 2020, 273, 103-116.	0.5	11
53	Heme-Iron-Induced Production of 4-Hydroxynonenal in Intestinal Lumen May Have Extra-Intestinal Consequences through Protein-Adduct Formation. <i>Antioxidants</i> , 2020, 9, 1293.	2.2	11
54	Assessment of protein modifications in liver of rats under chronic treatment with paracetamol (acetaminophen) using two complementary mass spectrometry-based metabolomic approaches. <i>Journal of Proteomics</i> , 2015, 120, 194-203.	1.2	10

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55	Untargeted plasma metabolomic profiles associated with overall diet in women from the SU.VI.MAX cohort. <i>European Journal of Nutrition</i> , 2020, 59, 3425-3439.	1.8	10
56	An Early Stage Researcher's Primer on Systems Medicine Terminology. <i>Network and Systems Medicine</i> , 2021, 4, 2-50.	2.7	9
57	Weight for gestational age and metabolically healthy obesity in adults from the Haguenau cohort. <i>BMJ Open</i> , 2016, 6, e011367.	0.8	8
58	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. <i>Food and Function</i> , 2016, 7, 3497-3504.	2.1	8
59	Semi-targeted metabolomic approaches to validate potential markers of health for micronutrients: analytical perspectives. <i>Metabolomics</i> , 2012, 8, 1114-1129.	1.4	7
60	Metaproteomics Approach and Pathway Modulation in Obesity and Diabetes: A Narrative Review. <i>Nutrients</i> , 2022, 14, 47.	1.7	7
61	Postprandial metabolic events in mini-pigs: new insights from a combined approach using plasma metabolomics, tissue gene expression, and enzyme activity. <i>Metabolomics</i> , 2015, 11, 964-979.	1.4	6
62	Myofiber metabolic type determination by mass spectrometry imaging. <i>Journal of Mass Spectrometry</i> , 2017, 52, 493-496.	0.7	6
63	Metabolomics Reveals that the Type of Protein in a High-Fat Meal Modulates Postprandial Mitochondrial Overload and Incomplete Substrate Oxidation in Healthy Overweight Men. <i>Journal of Nutrition</i> , 2018, 148, 876-884.	1.3	6
64	Multi-block PLS discriminant analysis for the joint analysis of metabolomic and epidemiological data. <i>Metabolomics</i> , 2019, 15, 134.	1.4	6
65	Non-targeted metabolomics analyses by mass spectrometry to explore metabolic stress after six training weeks in high level swimmers.. <i>Journal of Sports Sciences</i> , 2021, 39, 969-978.	1.0	6
66	ProMetIS, deep phenotyping of mouse models by combined proteomics and metabolomics analysis. <i>Scientific Data</i> , 2021, 8, 311.	2.4	6
67	Exploratory GC/MS-Based Metabolomics of Body Fluids. <i>Methods in Molecular Biology</i> , 2018, 1730, 239-246.	0.4	5
68	Analytic Correlation Filtration: A New Tool to Reduce Analytical Complexity of Metabolomic Datasets. <i>Metabolites</i> , 2019, 9, 250.	1.3	5
69	Profound Changes in Net Energy and Nitrogen Metabolites Fluxes within the Splanchnic Area during Overfeeding of Yucatan Mini Pigs That Remain Euglycemic. <i>Nutrients</i> , 2019, 11, 434.	1.7	5
70	Exploring Metabolome with GC/MS. <i>Advances in Botanical Research</i> , 2013, 67, 303-329.	0.5	4
71	HDHL-INTIMIC: A European Knowledge Platform on Food, Diet, Intestinal Microbiomics, and Human Health. <i>Nutrients</i> , 2022, 14, 1881.	1.7	4
72	PeakForest: a multi-platform digital infrastructure for interoperable metabolite spectral data and metadata management. <i>Metabolomics</i> , 2022, 18, .	1.4	4

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73	Cyclic Fatty Acids Found in Frying Oils are Detoxified via Classical Drug Metabolic Pathway but also by β -Oxidation and Eliminated as Conjugates in Rats. <i>Lipids</i> , 2015, 50, 381-396.	0.7	3
74	A Hybrid Knowledge Discovery Approach for Mining Predictive Biomarkers in Metabolomic Data. <i>Lecture Notes in Computer Science</i> , 2016, , 572-587.	1.0	3
75	Disruption of Chronic Cariporide Treatment Abrogates Myocardial Ion Homeostasis During Acute Ischemia Reperfusion. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 284-294.	0.8	2
76	Targeting the gut to prevent and counteract metabolic disorders and pathologies during aging. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 11185-11210.	5.4	2
77	La mÃ©tabolomique: de nouvelles perspectives en nutrition humaine. <i>Cahiers De Nutrition Et De Dietetique</i> , 2012, 47, 93-100.	0.2	0
78	Dietary intake in young adults born small or appropriate for gestational age: data from the Haguenau cohort. <i>BMJ Open</i> , 2016, 6, e012309.	0.8	0
79	Applying an untargeted metabolomics approach using two complementary platforms for the discovery and validation of banana intake biomarkers. , 0, , .		0