

Estelle Pujos-Guillot

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

4,270
citations

159585

30
h-index

114465

63
g-index

81
all docs

81
docs citations

81
times ranked

7269
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	10.3	2
2	Metaproteomics Approach and Pathway Modulation in Obesity and Diabetes: A Narrative Review. <i>Nutrients</i> , 2022, 14, 47.	4.1	7
3	HDHL-INTIMIC: A European Knowledge Platform on Food, Diet, Intestinal Microbiomics, and Human Health. <i>Nutrients</i> , 2022, 14, 1881.	4.1	4
4	PeakForest: a multi-platform digital infrastructure for interoperable metabolite spectral data and metadata management. <i>Metabolomics</i> , 2022, 18, .	3.0	4
5	Deep learning in systems medicine. <i>Briefings in Bioinformatics</i> , 2021, 22, 1543-1559.	6.5	22
6	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.	2.0	6
7	An Early Stage Researcher's Primer on Systems Medicine Terminology. <i>Network and Systems Medicine</i> , 2021, 4, 2-50.	2.5	9
8	Multiplatform metabolomics for an integrative exploration of metabolic syndrome in older men. <i>EBioMedicine</i> , 2021, 69, 103440.	6.1	18
9	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.	9.8	127
10	ProMetIS, deep phenotyping of mouse models by combined proteomics and metabolomics analysis. <i>Scientific Data</i> , 2021, 8, 311.	5.3	6
11	A hybrid and exploratory approach to knowledge discovery in metabolomic data. <i>Discrete Applied Mathematics</i> , 2020, 273, 103-116.	0.9	11
12	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.	2.5	18
13	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.	5.1	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. <i>Gut</i> , 2020, 69, 1218-1228.	12.1	465
15	Metabolomic and Lipidomic Signatures of Metabolic Syndrome and its Physiological Components in Adults: A Systematic Review. <i>Scientific Reports</i> , 2020, 10, 669.	3.3	64
16	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.	3.9	10
17	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.	2.5	18
18	Analytic Correlation Filtration: A New Tool to Reduce Analytical Complexity of Metabolomic Datasets. <i>Metabolites</i> , 2019, 9, 250.	2.9	5

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19	WiPP: Workflow for Improved Peak Picking for Gas Chromatography-Mass Spectrometry (GC-MS) Data. <i>Metabolites</i> , 2019, 9, 171.	2.9	19
20	Multi-block PLS discriminant analysis for the joint analysis of metabolomic and epidemiological data. <i>Metabolomics</i> , 2019, 15, 134.	3.0	6
21	Diet-Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900177.	3.3	40
22	Discovery and Validation of Banana Intake Biomarkers Using Untargeted Metabolomics in Human Intervention and Cross-sectional Studies. <i>Journal of Nutrition</i> , 2019, 149, 1701-1713.	2.9	27
23	Plasma Metabolomic Signatures Associated with Long-term Breast Cancer Risk in the SU.VI.MAX Prospective Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1300-1307.	2.5	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. <i>Journal of Mass Spectrometry</i> , 2019, 54, 567-582.	1.6	13
25	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.	4.1	5
26	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800384.	3.3	173
27	Exploratory GC/MS-Based Metabolomics of Body Fluids. <i>Methods in Molecular Biology</i> , 2018, 1730, 239-246.	0.9	5
28	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.	3.9	15
29	Evaluation of oxidized phospholipids analysis by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 633-647.	3.7	14
30	Targeting Colon Luminal Lipid Peroxidation Limits Colon Carcinogenesis Associated with Red Meat Consumption. <i>Cancer Prevention Research</i> , 2018, 11, 569-580.	1.5	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. <i>Journal of Nutrition</i> , 2018, 148, 876-884.	2.9	6
32	A Data Integration Multi-Omics Approach to Study Calorie Restriction-Induced Changes in Insulin Sensitivity. <i>Frontiers in Physiology</i> , 2018, 9, 1958.	2.8	39
33	Identification of Pre-frailty Sub-Phenotypes in Elderly Using Metabolomics. <i>Frontiers in Physiology</i> , 2018, 9, 1903.	2.8	37
34	Systems Metabolomics for Prediction of Metabolic Syndrome. <i>Journal of Proteome Research</i> , 2017, 16, 2262-2272.	3.7	41
35	Myofiber metabolic type determination by mass spectrometry imaging. <i>Journal of Mass Spectrometry</i> , 2017, 52, 493-496.	1.6	6
36	Feature Selection Methods for Early Predictive Biomarker Discovery Using Untargeted Metabolomic Data. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 30.	3.5	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. <i>Proteomes</i> , 2016, 4, 32.	3.5	15
38	Weight for gestational age and metabolically healthy obesity in adults from the Haguenau cohort. <i>BMJ Open</i> , 2016, 6, e011367.	1.9	8
39	Dietary intake in young adults born small or appropriate for gestational age: data from the Haguenau cohort. <i>BMJ Open</i> , 2016, 6, e012309.	1.9	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. <i>Carcinogenesis</i> , 2016, 37, 635-645.	2.8	34
41	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.	3.7	20
42	Change in B and E vitamin and lutein, β -sitosterol contents in industrial milling fractions and during toasted bread production. <i>Journal of Cereal Science</i> , 2016, 69, 290-296.	3.7	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. <i>Food and Function</i> , 2016, 7, 3497-3504.	4.6	8
44	A Hybrid Knowledge Discovery Approach for Mining Predictive Biomarkers in Metabolomic Data. <i>Lecture Notes in Computer Science</i> , 2016, , 572-587.	1.3	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. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3471-3479.	3.7	28
46	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.	3.0	112
47	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.	1.7	3
48	Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. <i>Cell Metabolism</i> , 2015, 22, 320-331.	16.2	345
49	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.	3.0	6
50	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.	2.4	10
51	Metabolomics reveals differential metabolic adjustments of normal and overweight subjects during overfeeding. <i>Metabolomics</i> , 2015, 11, 920-938.	3.0	13
52	New Biomarkers of Coffee Consumption Identified by the Non-Targeted Metabolomic Profiling of Cohort Study Subjects. <i>PLoS ONE</i> , 2014, 9, e93474.	2.5	108
53	Discovery and validation of urinary exposure markers for different plant foods by untargeted metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1829-1844.	3.7	77
54	Untargeted Metabolomics as a Screening Tool for Estimating Compliance to a Dietary Pattern. <i>Journal of Proteome Research</i> , 2014, 13, 1405-1418.	3.7	121

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.	2.5	69
56	Exploring Metabolome with GC/MS. Advances in Botanical Research, 2013, 67, 303-329.	1.1	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.	4.2	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.	3.7	147
59	Increasing intake of long-chain n-3 PUFA enhances lipoperoxidation and modulates hepatic gene expression in a dose-dependent manner. British Journal of Nutrition, 2012, 107, 1254-1273.	2.3	20
60	La m�tabolomique�: de nouvelles perspectives en nutrition humaine. Cahiers De Nutrition Et De Diet�tique, 2012, 47, 93-100.	0.3	0
61	Semi-targeted metabolomic approaches to validate potential markers of health for micronutrients: analytical perspectives. Metabolomics, 2012, 8, 1114-1129.	3.0	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.	0.5	160
64	Disruption of Chronic Cariporide Treatment Abrogates Myocardial Ion Homeostasis During Acute Ischemia Reperfusion. Journal of Cardiovascular Pharmacology, 2011, 58, 284-294.	1.9	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.	3.8	159
66	Effects of fish oil and starch added to a diet containing sunflower-seed oil on dairy goat performance, milk fatty acid composition and in vivo �9-desaturation of [�13C]vacenic acid. British Journal of Nutrition, 2010, 104, 346-354.	2.3	42
67	Development and validation of a UPLC/MS method for a nutritional metabolomic study of human plasma. Metabolomics, 2010, 6, 207-218.	3.0	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.	4.2	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.	5.2	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.	6.5	137
71	Mass-spectrometry-based metabolomics: limitations and recommendations for future progress with particular focus on nutrition research. Metabolomics, 2009, 5, 435-458.	3.0	462
72	Metabolite analysis of human fecal water by gas chromatography/mass spectrometry with ethyl chloroformate derivatization. Analytical Biochemistry, 2009, 393, 163-175.	2.4	132

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73	Metabolomics in evaluation of glucose disorders. Current Opinion in Clinical Nutrition and Metabolic Care, 2009, 12, 412-418.	2.5	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.	2.5	22
75	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.	3.7	66
76	Metabolomics Provide New Insight on the Metabolism of Dietary Phytochemicals in Rats. Journal of Nutrition, 2008, 138, 1282-1287.	2.9	62
77	Influence of acute phytochemical intake on human urinary metabolomic profiles. American Journal of Clinical Nutrition, 2007, 86, 1687-1693.	4.7	124
78	Influence of acute phytochemical intake on human urinary metabolomic profiles. American Journal of Clinical Nutrition, 2007, 86, 1687-1693.	4.7	88
79	Applying an untargeted metabolomics approach using two complementary platforms for the discovery and validation of banana intake biomarkers. , 0, , .		0