

# Yann Guitton

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,325  
citations

304743

22  
h-index

377865

34  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2084  
citing authors

#	ARTICLE	IF	CITATIONS
1	Create, run, share, publish, and reference your LC-MS, FIA-MS, GC-MS, and NMR data analysis workflows with the Workflow4Metabolomics 3.0 Galaxy online infrastructure for metabolomics. International Journal of Biochemistry and Cell Biology, 2017, 93, 89-101.	2.8	99
2	Essential Oils from Wild Populations of Algerian <i>Lavandula stoechas</i> L.: Composition, Chemical Variability, and <i>in vitro</i> Biological Properties. Chemistry and Biodiversity, 2011, 8, 937-953.	2.1	82
3	Auto-deconvolution and molecular networking of gas chromatography-mass spectrometry data. Nature Biotechnology, 2021, 39, 169-173.	17.5	78
4	Multidimensional NMR approaches towards highly resolved, sensitive and high-throughput quantitative metabolomics. Current Opinion in Biotechnology, 2017, 43, 49-55.	6.6	65
5	A European proposal for quality control and quality assurance of tandem mass spectral libraries. Environmental Sciences Europe, 2020, 32, .	5.5	53
6	HaloSeeker 1.0: A User-Friendly Software to Highlight Halogenated Chemicals in Nontargeted High-Resolution Mass Spectrometry Data Sets. Analytical Chemistry, 2019, 91, 3500-3507.	6.5	52
7	Differential accumulation of volatile terpene and terpene synthase mRNAs during lavender ( <i>Lavandula angustifolia</i> and <i>L. x intermedia</i> ) inflorescence development. Physiologia Plantarum, 2010, 138, 150-163.	5.2	50
8	Breast Milk Lipidome Is Associated with Early Growth Trajectory in Preterm Infants. Nutrients, 2018, 10, 164.	4.1	49
9	Isolation and functional characterization of a $\beta$ -cadinol synthase, a new sesquiterpene synthase from <i>Lavandula angustifolia</i> . Plant Molecular Biology, 2014, 84, 227-241.	3.9	48
10	Single-Step Extraction Coupled with Targeted HILIC-MS/MS Approach for Comprehensive Analysis of Human Plasma Lipidome and Polar Metabolome. Metabolites, 2020, 10, 495.	2.9	46
11	Automated Detection of Natural Halogenated Compounds from LC-MS Profiles—Application to the Isolation of Bioactive Chlorinated Compounds from Marine-Derived Fungi. Analytical Chemistry, 2016, 88, 9143-9150.	6.5	43
12	Rapid evaporative ionisation mass spectrometry and chemometrics for high-throughput screening of growth promoters in meat producing animals. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 900-910.	2.3	37
13	A multidimensional 1H NMR lipidomics workflow to address chemical food safety issues. Metabolomics, 2018, 14, 60.	3.0	32
14	Making complex measurements of meat composition fast: Application of rapid evaporative ionisation mass spectrometry to measuring meat quality and fraud. Meat Science, 2021, 181, 108333.	5.5	30
15	MSeasy: unsupervised and untargeted GC-MS data processing. Bioinformatics, 2012, 28, 2278-2280.	4.1	29
16	Dye residues in aquaculture products: Targeted and metabolomics mass spectrometric approaches to track their abuse. Food Chemistry, 2019, 294, 355-367.	8.2	28
17	Associations between persistent organic pollutants and endometriosis: A multiblock approach integrating metabolic and cytokine profiling. Environment International, 2022, 158, 106926.	10.0	27
18	Time Dependency of Chemodiversity and Biosynthetic Pathways: An LC-MS Metabolomic Study of Marine-Sourced <i>Penicillium</i> . Marine Drugs, 2016, 14, 103.	4.6	26

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19	Serum-based metabolomics characterization of pigs treated with ractopamine. <i>Metabolomics</i> , 2017, 13, 1.	3.0	26
20	Comprehensive Preterm Breast Milk Metabotype Associated with Optimal Infant Early Growth Pattern. <i>Nutrients</i> , 2019, 11, 528.	4.1	26
21	Cytotoxicity and mycotoxin production of shellfish-derived <i>Penicillium</i> spp., a risk for shellfish consumers. <i>Letters in Applied Microbiology</i> , 2013, 57, 385-392.	2.2	25
22	Non-targeted screening methodology to characterise human internal chemical exposure: Application to halogenated compounds in human milk. <i>Talanta</i> , 2021, 225, 121979.	5.5	25
23	Optimized characterization of short-, medium, and long-chain chlorinated paraffins in liquid chromatography-high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1619, 460927.	3.7	23
24	Elucidation of non-intentionally added substances migrating from polyester-polyurethane lacquers using automated LC-HRMS data processing. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5391-5403.	3.7	22
25	Resolution of quantitative resistance to clubroot into QTL-specific metabolic modules. <i>Journal of Experimental Botany</i> , 2019, 70, 5375-5390.	4.8	22
26	Functional characterization of terpene synthases and chemotypic variation in three lavender species of section <i>Stoechas</i> . <i>Physiologia Plantarum</i> , 2015, 153, 43-57.	5.2	19
27	Optimization of fecal sample preparation for untargeted LC-HRMS based metabolomics. <i>Metabolomics</i> , 2017, 13, 1.	3.0	19
28	WiPP: Workflow for Improved Peak Picking for Gas Chromatography-Mass Spectrometry (GC-MS) Data. <i>Metabolites</i> , 2019, 9, 171.	2.9	19
29	Ammonium Fluoride as Suitable Additive for HILIC-Based LC-HRMS Metabolomics. <i>Metabolites</i> , 2019, 9, 292.	2.9	19
30	Lavender inflorescence. <i>Plant Signaling and Behavior</i> , 2010, 5, 749-751.	2.4	18
31	Nontargeted LC/ESI-HRMS Detection of Polyhalogenated Compounds in Marine Mammals Stranded on French Atlantic Coasts. <i>ACS ES&amp;T Water</i> , 2021, 1, 309-318.	4.6	16
32	Modeling the fragmentation patterns of triacylglycerides in mass spectrometry allows the quantification of the regioisomers with a minimal number of standards. <i>Analytica Chimica Acta</i> , 2019, 1057, 60-69.	5.4	15
33	Simultaneous exploration of nutrients and pollutants in human milk and their impact on preterm infant growth: An integrative cross-platform approach. <i>Environmental Research</i> , 2020, 182, 109018.	7.5	15
34	Genome size and plastid trnK-matK markers give new insights into the evolutionary history of the genus <i>Lavandula</i> L. <i>Plant Biosystems</i> , 2016, 150, 1216-1224.	1.6	14
35	Fungi isolated from Madagascar shrimps - investigation of the <i>Aspergillus niger</i> metabolism by combined LC-MS and NMR metabolomics studies. <i>Aquaculture</i> , 2017, 479, 750-758.	3.5	13
36	A comparative study of terpene composition in different clades of the genus <i>Lavandula</i> . <i>Botany Letters</i> , 2018, 165, 494-505.	1.4	13

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37	Cytotoxicity, Fractionation and Dereplication of Extracts of the Dinoflagellate <i>Vulcanodinium rugosum</i> , a Producer of Pinnatoxin G. <i>Marine Drugs</i> , 2013, 11, 3350-3371.	4.6	12
38	Consequences of blunting the mevalonate pathway in cancer identified by a pluri-omics approach. <i>Cell Death and Disease</i> , 2018, 9, 745.	6.3	12
39	Dereplication of <i>Mammea neurophylla</i> metabolites to isolate original 4-phenylcoumarins. <i>Phytochemistry Letters</i> , 2015, 11, 61-68.	1.2	10
40	Synthesis and antiproliferative activity of ligerin and new fumagillin analogs against osteosarcoma. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 244-250.	5.5	8
41	Successes and pitfalls in automated dereplication strategy using liquid chromatography coupled to mass spectrometry data: A CASMI 2016 experience. <i>Phytochemistry Letters</i> , 2017, 21, 297-305.	1.2	8
42	Untargeted Lipidomic Profiling of Dry Blood Spots Using SFC-HRMS. <i>Metabolites</i> , 2021, 11, 305.	2.9	8
43	From a non-targeted metabolomics approach to a targeted biomarkers strategy to highlight testosterone abuse in equine. Illustration of a methodological transfer between platforms and laboratories. <i>Drug Testing and Analysis</i> , 2022, 14, 864-878.	2.6	8
44	Electrospray ionization and heterogeneous matrix effects in liquid chromatography/mass spectrometry based meta-metabolomics: A biomarker or a suppressed ion?. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8977.	1.5	7
45	Metabolomics and lipidomics to identify biomarkers of effect related to exposure to non-dioxin-like polychlorinated biphenyls in pigs. <i>Chemosphere</i> , 2022, 296, 133957.	8.2	5
46	Extending the Lipidome Coverage by Combining Different Mass Spectrometric Platforms: An Innovative Strategy to Answer Chemical Food Safety Issues. <i>Foods</i> , 2021, 10, 1218.	4.3	4
47	Urinary metabolomic profiling from spontaneous tolerant kidney transplanted recipients shows enrichment in tryptophan-derived metabolites. <i>EBioMedicine</i> , 2022, 77, 103844.	6.1	4
48	Nandrolone and estradiol biomarkers identification in bovine urine applying a liquid chromatography high-resolution mass spectrometry metabolomics approach. <i>Drug Testing and Analysis</i> , 2021, , .	2.6	3
49	Successes and Pitfalls in Automated Dereplication Strategy Using Mass Spectrometry Data: a CASMI Experience. <i>Current Metabolomics</i> , 2017, 5, 25-34.	0.5	2
50	Combining MS/MS fragmentation, correlation and biochemical reaction networks to improve compound annotation in metabolome investigations of marine-derived <i>Penicillium</i> species. <i>Planta Medica</i> , 2014, 80, .	1.3	0
51	Automated MS/MS data annotation: CASMI experiences. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0
52	Marine halogenated compound analysis: from an R package to the isolation of new griseophenone derivatives. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0