

Yann Guitton

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,325
citations

346980

22
h-index

425179

34
g-index

57
all docs

57
docs citations

57
times ranked

2260
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. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 93, 89-101. | 1.2 | 99 |
| 2 | Essential Oils from Wild Populations of Algerian <i>Lavandula stoechas</i> L.: Composition, Chemical Variability, and <i>in vitro</i> Biological Properties. <i>Chemistry and Biodiversity</i> , 2011, 8, 937-953. | 1.0 | 82 |
| 3 | Auto-deconvolution and molecular networking of gas chromatography-mass spectrometry data. <i>Nature Biotechnology</i> , 2021, 39, 169-173. | 9.4 | 78 |
| 4 | Multidimensional NMR approaches towards highly resolved, sensitive and high-throughput quantitative metabolomics. <i>Current Opinion in Biotechnology</i> , 2017, 43, 49-55. | 3.3 | 65 |
| 5 | A European proposal for quality control and quality assurance of tandem mass spectral libraries. <i>Environmental Sciences Europe</i> , 2020, 32, . | 2.6 | 53 |
| 6 | HaloSeeker 1.0: A User-Friendly Software to Highlight Halogenated Chemicals in Nontargeted High-Resolution Mass Spectrometry Data Sets. <i>Analytical Chemistry</i> , 2019, 91, 3500-3507. | 3.2 | 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. <i>Physiologia Plantarum</i> , 2010, 138, 150-163. | 2.6 | 50 |
| 8 | Breast Milk Lipidome Is Associated with Early Growth Trajectory in Preterm Infants. <i>Nutrients</i> , 2018, 10, 164. | 1.7 | 49 |
| 9 | Isolation and functional characterization of a β -cadinol synthase, a new sesquiterpene synthase from <i>Lavandula angustifolia</i> . <i>Plant Molecular Biology</i> , 2014, 84, 227-241. | 2.0 | 48 |
| 10 | Single-Step Extraction Coupled with Targeted HILIC-MS/MS Approach for Comprehensive Analysis of Human Plasma Lipidome and Polar Metabolome. <i>Metabolites</i> , 2020, 10, 495. | 1.3 | 46 |
| 11 | Automated Detection of Natural Halogenated Compounds from LC-MS Profiles—Application to the Isolation of Bioactive Chlorinated Compounds from Marine-Derived Fungi. <i>Analytical Chemistry</i> , 2016, 88, 9143-9150. | 3.2 | 43 |
| 12 | Rapid evaporative ionisation mass spectrometry and chemometrics for high-throughput screening of growth promoters in meat producing animals. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 900-910. | 1.1 | 37 |
| 13 | A multidimensional 1H NMR lipidomics workflow to address chemical food safety issues. <i>Metabolomics</i> , 2018, 14, 60. | 1.4 | 32 |
| 14 | Making complex measurements of meat composition fast: Application of rapid evaporative ionisation mass spectrometry to measuring meat quality and fraud. <i>Meat Science</i> , 2021, 181, 108333. | 2.7 | 30 |
| 15 | MSeasy: unsupervised and untargeted GC-MS data processing. <i>Bioinformatics</i> , 2012, 28, 2278-2280. | 1.8 | 29 |
| 16 | Dye residues in aquaculture products: Targeted and metabolomics mass spectrometric approaches to track their abuse. <i>Food Chemistry</i> , 2019, 294, 355-367. | 4.2 | 28 |
| 17 | Associations between persistent organic pollutants and endometriosis: A multiblock approach integrating metabolic and cytokine profiling. <i>Environment International</i> , 2022, 158, 106926. | 4.8 | 27 |
| 18 | Time Dependency of Chemodiversity and Biosynthetic Pathways: An LC-MS Metabolomic Study of Marine-Sourced <i>Penicillium</i> . <i>Marine Drugs</i> , 2016, 14, 103. | 2.2 | 26 |

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|----|--|-----|-----------|
| 19 | Serum-based metabolomics characterization of pigs treated with ractopamine. <i>Metabolomics</i> , 2017, 13, 1. | 1.4 | 26 |
| 20 | Comprehensive Preterm Breast Milk Metabotype Associated with Optimal Infant Early Growth Pattern. <i>Nutrients</i> , 2019, 11, 528. | 1.7 | 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. | 1.0 | 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. | 2.9 | 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. | 1.8 | 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. | 1.9 | 22 |
| 25 | Resolution of quantitative resistance to clubroot into QTL-specific metabolic modules. <i>Journal of Experimental Botany</i> , 2019, 70, 5375-5390. | 2.4 | 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. | 2.6 | 19 |
| 27 | Optimization of fecal sample preparation for untargeted LC-HRMS based metabolomics. <i>Metabolomics</i> , 2017, 13, 1. | 1.4 | 19 |
| 28 | WiPP: Workflow for Improved Peak Picking for Gas Chromatography-Mass Spectrometry (GC-MS) Data. <i>Metabolites</i> , 2019, 9, 171. | 1.3 | 19 |
| 29 | Ammonium Fluoride as Suitable Additive for HILIC-Based LC-HRMS Metabolomics. <i>Metabolites</i> , 2019, 9, 292. | 1.3 | 19 |
| 30 | Lavender inflorescence. <i>Plant Signaling and Behavior</i> , 2010, 5, 749-751. | 1.2 | 18 |
| 31 | Nontargeted LC/ESI-HRMS Detection of Polyhalogenated Compounds in Marine Mammals Stranded on French Atlantic Coasts. <i>ACS ES&T Water</i> , 2021, 1, 309-318. | 2.3 | 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. | 2.6 | 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. | 3.7 | 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. | 0.8 | 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. | 1.7 | 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. | 0.7 | 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. | 2.2 | 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. | 2.7 | 12 |
| 39 | Dereplication of <i>Mammea neurophylla</i> metabolites to isolate original 4-phenylcoumarins. <i>Phytochemistry Letters</i> , 2015, 11, 61-68. | 0.6 | 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. | 2.6 | 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. | 0.6 | 8 |
| 42 | Untargeted Lipidomic Profiling of Dry Blood Spots Using SFC-HRMS. <i>Metabolites</i> , 2021, 11, 305. | 1.3 | 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. | 1.6 | 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. | 0.7 | 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. | 4.2 | 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. | 1.9 | 4 |
| 47 | Urinary metabolomic profiling from spontaneous tolerant kidney transplanted recipients shows enrichment in tryptophan-derived metabolites. <i>EBioMedicine</i> , 2022, 77, 103844. | 2.7 | 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, , . | 1.6 | 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, . | 0.7 | 0 |
| 51 | Automated MS/MS data annotation: CASMI experiences. <i>Planta Medica</i> , 2016, 81, S1-S381. | 0.7 | 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. | 0.7 | 0 |