Guillaume Marti

List of Publications by Year
in descending order

46 papers	1,960 citations	361413 20 h-index	330143 37 g-index
49 all docs	49 docs citations	49 times ranked	3327 citing authors

#	Article	IF	Citations
1	Current approaches and challenges for the metabolite profiling of complex natural extracts. Journal of Chromatography A, 2015, 1382, 136-164.	3.7	430
2	Induction and detoxification of maize 1,4â€benzoxazinâ€3â€ones by insect herbivores. Plant Journal, 2011, 68, 901-911.	5.7	209
3	Metabolomics reveals herbivoreâ€induced metabolites of resistance and susceptibility in maize leaves and roots. Plant, Cell and Environment, 2013, 36, 621-639.	5.7	149
4	A specialist root herbivore exploits defensive metabolites to locate nutritious tissues. Ecology Letters, 2012, 15, 55-64.	6.4	146
5	Transcriptome diversity among rice root types during asymbiosis and interaction with arbuscular mycorrhizal fungi. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6754-6759.	7.1	99
6	Advances in Techniques for Profiling Crude Extracts and for the Rapid Identificationof Natural Products: Dereplication, Quality Control and Metabolomics. Current Organic Chemistry, 2010, 14, 1808-1832.	1.6	93
7	Differentiation of lemon essential oil based on volatile and non-volatile fractions with various analytical techniques: a metabolomic approach. Food Chemistry, 2014, 143, 325-335.	8.2	92
8	Antiplasmodial benzophenones from the trunk latex of Moronobea coccinea (Clusiaceae). Phytochemistry, 2009, 70, 75-85.	2.9	59
9	MS-CleanR: A Feature-Filtering Workflow for Untargeted LCâ€“MS Based Metabolomics. Analytical Chemistry, 2020, 92, 9971-9981.	6.5	55
10	Zika virus infection modulates the metabolomic profile of microglial cells. PLoS ONE, 2018, 13, e0206093.	2.5	52
11	The landscape of natural product diversity and their pharmacological relevance from a focus on the Dictionary of Natural ProductsÂ®. Phytochemistry Reviews, 2019, 18, 601-622.	6.5	52
12	Study of Leaf Metabolome Modifications Induced by UV-C Radiations in Representative Vitis, Cissus and Cannabis Species by LC-MS Based Metabolomics and Antioxidant Assays. Molecules, 2014, 19, 14004-14021.	3.8	48
13	Antiplasmodial benzophenone derivatives from the root barks of Symphonia globulifera (Clusiaceae). Phytochemistry, 2010, 71, 964-974.	2.9	46
14	A physiological and behavioral mechanism for leaf-herbivore induced systemic root resistance. Plant Physiology, 2015, 169, pp.00759.2015.	4.8	44
15	A metabolomic approach to identify anti-hepatocarcinogenic compounds from plants used traditionally in the treatment of liver diseases. FÃ¬toterapÃ¬Ã¢, 2018, 127, 226-236.	2.2	40
16	Cucurbitacins from the Leaves of Citrullus colocynthis (L.) Schrad. Molecules, 2015, 20, 18001-18015.	3.8	31
17	In vivo validation of anti-malarial activity of crude extracts of Terminalia macroptera, a Malian medicinal plant. Malaria Journal, 2018, 17, 68.	2.3	31
18	Comprehensive profiling and marker identification in non-volatile citrus oil residues by mass spectrometry and nuclear magnetic resonance. Food Chemistry, 2014, 150, 235-245.	8.2	26

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19	Antifungals and acetylcholinesterase inhibitors from the stem bark of Croton heliotropiifolius. Phytochemistry Letters, 2014, 10, lxxxviii-xciii.	1.2	25
20	Natural Aristolactams and Aporphine Alkaloids as Inhibitors of CDK1/Cyclin B and DYRK1A. Molecules, 2013, 18, 3018-3027.	3.8	23
21	Mosquito metabolomics reveal that dengue virus replication requires phospholipid reconfiguration via the remodeling cycle. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27627-27636.	7.1	23
22	Dengue virus reduces AGPAT1Âexpression to alter phospholipids and enhance infection in Aedes aegypti. PLoS Pathogens, 2019, 15, e1008199.	4.7	19
23	Cannabinoids vs. whole metabolome: Relevance of cannabinomics in analyzing Cannabis varieties. Analytica Chimica Acta, 2021, 1184, 339020.	5.4	16
24	A New Xanthone from the Bark Extract of Rheedia acuminata and Antiplasmodial Activity of Its Major Compounds. Molecules, 2010, 15, 7106-7114.	3.8	15
25	Integrating metabolomic data from multiple analytical platforms for a comprehensive characterisation of lemon essential oils. Flavour and Fragrance Journal, 2015, 30, 131-138.	2.6	14
26	Deciphering the phylogeny of violets based on multiplexed genetic and metabolomic approaches. Phytochemistry, 2019, 163, 99-110.	2.9	14
27	Metabolomic characterization of 5 native Peruvian chili peppers (Capsicum spp.) as a tool for species discrimination. Food Chemistry, 2022, 386, 132704.	8.2	13
28	Dereplication of natural products from complex extracts by regression analysis and molecular networking: case study of redox-active compounds from Viola alba subsp. dehnhardtii. Metabolomics, 2017, 13, 1.	3.0	12
29	LC-MS/MS Quantitative Determination of Tetrapterys mucronata Alkaloids, a Plant Occasionally used in Ayahuasca Preparation. Phytochemical Analysis, 2015, 26, 183-188.	2.4	11
30	Comparison of the Phytochemical Composition of Serenoa repens Extracts by a Multiplexed Metabolomic Approach. Molecules, 2019, 24, 2208.	3.8	11
31	Antileishmanial Compounds Isolated from Psidium Guajava L. Using a Metabolomic Approach. Molecules, 2019, 24, 4536.	3.8	11
32	Metabolomic approach of the antiprotozoal activity of medicinal Piper species used in Peruvian Amazon. Journal of Ethnopharmacology, 2021, 264, 113262.	4.1	10
33	Stilbenes: Biomarkers of Grapevine Resistance to Disease of High Relevance for Agronomy, Oenology and Human Health. , 2012, , 25-54.		9
34	Liver clear cell foci and viral infection are associated with non-cirrhotic, non-fibrolamellar hepatocellular carcinoma in young patients from South America. Scientific Reports, 2018, 8, 9945.	3.3	7
35	Lipid Interactions Between Flaviviruses and Mosquito Vectors. Frontiers in Physiology, 2021, 12, 763195.	2.8	6
36	Modification of Early Response of Vitis vinifera to Pathogens Relating to Esca Disease and Biocontrol Agent VintecÂ® Revealed By Untargeted Metabolomics on Woody Tissues. Frontiers in Microbiology, 2022, 13, 835463.	3.5	6

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37	Identification of putative chemical markers in white wine (Chasselas) related to nitrogen deficiencies in vineyards. Oeno One, 2020, 54, 583-599.	1.4	5
38	Adaptation of a microbead assay for the easy evaluation of traditional anti-sickling medicines: application to DREPANOSTAT and FACA. Pharmaceutical Biology, 2018, 56, 385-392.	2.9	2
39	Search for Low-Molecular-Weight Biomarkers in Plant Tissues and Seeds Using Metabolomics: Tools, Strategies, and Applications. , 2012, , 305-341.		0
40	Antiviral potential of medicinal plants: a case study with guava tree against dengue virus using a metabolomic approach. , 2022, , 439-458.		0
41	Title is missing!. , 2019, 15, e1008199.		0
42	Title is missing!. , 2019, 15, e1008199.		0
43	Title is missing!. , 2019, 15, e1008199.		0
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