Pierre-Marie Allard

List of Publications by Year
in descending order

68 papers	5,271 citations	257450 24 h-index	182427 51 g-index
80 all docs	80 docs citations	80 times ranked	6581 citing authors

#	Article	IF	Citations
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. Nature Biotechnology, 2016, 34, 828-837.	17.5	2,802
2	Feature-based molecular networking in the GNPS analysis environment. Nature Methods, 2020, 17, 905-908.	19.0	650
3	Integration of Molecular Networking and *In-Silico* MS/MS Fragmentation for Natural Products Dereplication. Analytical Chemistry, 2016, 88, 3317-3323.	6.5	329
4	Bioactive Natural Products Prioritization Using Massive Multi-informational Molecular Networks. ACS Chemical Biology, 2017, 12, 2644-2651.	3.4	112
5	Deep metabolome annotation in natural products research: towards a virtuous cycle in metabolite identification. Current Opinion in Chemical Biology, 2017, 36, 40-49.	6.1	91
6	The LOTUS initiative for open knowledge management in natural products research. ELife, 0, 11, .	6.0	90
7	Taxonomically Informed Scoring Enhances Confidence in Natural Products Annotation. Frontiers in Plant Science, 2019, 10, 1329.	3.6	84
8	Antiviral chlorinated daphnane diterpenoid orthoesters from the bark and wood of Trigonostemon cherrieri. Phytochemistry, 2012, 84, 160-168.	2.9	78
9	Alkylated Flavanones from the Bark of *Cryptocarya chartacea* As Dengue Virus NS5 Polymerase Inhibitors. Journal of Natural Products, 2011, 74, 2446-2453.	3.0	64
10	Spatial and evolutionary predictability of phytochemical diversity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	63
11	Trigocherrin A, the First Natural Chlorinated Daphnane Diterpene Orthoester from *Trigonostemon cherrieri*. Organic Letters, 2012, 14, 342-345.	4.6	60
12	Novel trophic interactions under climate change promote alpine plant coexistence. Science, 2020, 370, 1469-1473.	12.6	51
13	A database of high-resolution MS/MS spectra for lichen metabolites. Scientific Data, 2019, 6, 294.	5.3	46
14	Functional Traits 2.0: The power of the metabolome for ecology. Journal of Ecology, 2022, 110, 4-20.	4.0	42
15	Dynamics of Metabolite Induction in Fungal Co-cultures by Metabolomics at Both Volatile and Non-volatile Levels. Frontiers in Microbiology, 2018, 9, 72.	3.5	40
16	The plant pathogen Pseudomonas aeruginosa triggers a DELLA-dependent seed germination arrest in Arabidopsis. ELife, 2018, 7, .	6.0	40
17	Cytotoxic Prenylated Stilbenes Isolated from *Macaranga tanarius*. Journal of Natural Products, 2017, 80, 2684-2691.	3.0	38
18	Application of a molecular networking approach for clinical and forensic toxicology exemplified in three cases involving 3â€MeOâ€PCP, doxylamine, and chlormequat. Drug Testing and Analysis, 2019, 11, 669-677.	2.6	37

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19	Targeted Isolation of Indolopyridoquinazoline Alkaloids from *Conchocarpus fontanesianus* Based on Molecular Networks. Journal of Natural Products, 2016, 79, 2270-2278.	3.0	34
20	Pharmacognosy in the digital era: shifting to contextualized metabolomics. Current Opinion in Biotechnology, 2018, 54, 57-64.	6.6	34
21	New insights into quetiapine metabolism using molecular networking. Scientific Reports, 2020, 10, 19921.	3.3	32
22	Targeted Isolation of Monoterpene Indole Alkaloids from *Palicourea sessilis*. Journal of Natural Products, 2017, 80, 3032-3037.	3.0	31
23	Identification of chemotypes in bitter melon by metabolomics: a plant with potential benefit for management of diabetes in traditional Chinese medicine. Metabolomics, 2019, 15, 104.	3.0	30
24	Effects of Sphagnum Leachate on Competitive Sphagnum Microbiome Depend on Species and Time. Frontiers in Microbiology, 2019, 10, 2042.	3.5	28
25	Anti-*Candida* Cassane-Type Diterpenoids from the Root Bark of *Swartzia simplex*. Journal of Natural Products, 2015, 78, 2994-3004.	3.0	27
26	Searching for original natural products by molecular networking: detection, isolation and total synthesis of chloroaustralasines. Organic Chemistry Frontiers, 2018, 5, 2171-2178.	4.5	26
27	Peptidomic and transcriptomic profiling of four distinct spider venoms. PLoS ONE, 2017, 12, e0172966.	2.5	25
28	Thinking big about small beings â€" the (yet) underdeveloped microbial natural products chemistry in Brazil. Natural Product Reports, 2014, 31, 646.	10.3	22
29	A case of fatal acebutolol poisoning: an illustration of the potential of molecular networking. International Journal of Legal Medicine, 2020, 134, 251-256.	2.2	18
30	A Mass Spectrometry Based Metabolite Profiling Workflow for Selecting Abundant Specific Markers and Their Structurally Related Multi-Component Signatures in Traditional Chinese Medicine Multiâ€Herb Formulae. Frontiers in Pharmacology, 2020, 11, 578346.	3.5	13
31	Metabolomics of Myrcia bella Populations in Brazilian Savanna Reveals Strong Influence of Environmental Factors on Its Specialized Metabolism. Molecules, 2020, 25, 2954.	3.8	12
32	Metabolite Profiling of Javanese Ginger Zingiber purpureum and Identification of Antiseizure Metabolites via a Low-Cost Open-Source Zebrafish Bioassay-Guided Isolation. Journal of Agricultural and Food Chemistry, 2020, 68, 7904-7915.	5.2	12
33	Comparative molecular networking analysis of a Rauwolfia plant powder and biological matrices in a fatal ingestion case. Forensic Toxicology, 2020, 38, 447-454.	2.4	12
34	Molecular and Functional Analysis of Sunitinib-Resistance Induction in Human Renal Cell Carcinoma Cells. International Journal of Molecular Sciences, 2021, 22, 6467.	4.1	12
35	Drug Repurposing to Identify a Synergistic High-Order Drug Combination to Treat Sunitinib-Resistant Renal Cell Carcinoma. Cancers, 2021, 13, 3978.	3.7	12
36	Lung Cancer Chemopreventive Activity of Patulin Isolated from Penicillium vulpinum. Molecules, 2018, 23, 636.	3.8	11

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37	Insights on the Structural and Metabolic Resistance of Potato (Solanum tuberosum) Cultivars to Tuber Black Dot (Colletotrichum coccodes). Frontiers in Plant Science, 2020, 11, 1287.	3.6	11
38	Surface sensing triggers a broad‐spectrum antimicrobial response in Pseudomonas aeruginosa. Environmental Microbiology, 2020, 22, 3572-3587.	3.8	11
39	UHPLC‐MS‐based HDAC Assay Applied to Bio‐guided Microfractionation of Fungal Extracts. Phytochemical Analysis, 2017, 28, 93-100.	2.4	9
40	Discovery of Lipid Peroxidation Inhibitors from Bacopa Species Prioritized through Multivariate Data Analysis and Multi-Informative Molecular Networking. Molecules, 2019, 24, 2989.	3.8	9
41	Characterization, Diversity, and Structure-Activity Relationship Study of Lipoamino Acids from Pantoea sp. and Synthetic Analogues. International Journal of Molecular Sciences, 2019, 20, 1083.	4.1	7
42	Phytochemical analysis of the methanolic leaves extract of Niedenzuella multiglandulosa (Malpighiaceae), a plant species toxic to cattle in Brazil. Phytochemistry Letters, 2020, 37, 10-16.	1.2	7
43	MEMO: Mass Spectrometry-Based Sample Vectorization to Explore Chemodiverse Datasets. Frontiers in Bioinformatics, 2022, 2, .	2.1	7
44	Massive metabolite profiling of natural extracts for a rational prioritization of bioactive natural products: A paradigm shift in pharmacognosy. Food Frontiers, 2020, 1, 105-106.	7.4	6
45	Combination of Pseudo-LC-NMR and HRMS/MS-Based Molecular Networking for the Rapid Identification of Antimicrobial Metabolites From Fusarium petroliphilum. Frontiers in Molecular Biosciences, 2021, 8, 725691.	3.5	4
46	Alkyl-Quinolones derivatives as potential biomarkers for Pseudomonas aeruginosa infection chronicity in Cystic Fibrosis. Scientific Reports, 2021, 11, 20722.	3.3	3
47	Comparison of Illicit Drug Seizures Products of Natural Origin Using a Molecular Networking Approach. International Journal of Toxicology, 2022, 41, 108-114.	1.2	3
48	Diterpenoids from Euphorbiaceae with Potent Anti-CHIKV and Anti-HIV Activities: Are these Antiviral Properties Correlated?. Planta Medica, 2013, 79, .	1.3	2
49	Integration of molecular networking and in-silico MS/MS fragmentation for sensitive high throughput natural products dereplication. Planta Medica, 2016, 81, S1-S381.	1.3	2
50	The LOTUS initiative for knowledge sharing in Natural Products research. Planta Medica, 2021, 87, .	1.3	2
51	Can molecular networking be a powerful tool to target specific bioactive scaffolds? Case study of New Caledonian Euphorbiaceae species. Planta Medica, 2016, 81, S1-S381.	1.3	1
52	Efficient isolation of new bioactive metabolites from the marine endophytic fungi Fusarium solani. Planta Medica, 2019, 85, .	1.3	1
53	New chlorinated daphnane diterpenoids orthoester from Trigonostemon cherrieri as potent antiviral agents. Planta Medica, 2012, 78, .	1.3	0
54	Integration of molecular networking & in-silico MS/MS fragmentation: a novel dereplication strategy in natural products chemistry. Planta Medica, 2016, 81, S1-S381.	1.3	0

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55	Massive multi-informative molecular networks to mine New-Caledonian chemodiversity for antiviral compounds. Planta Medica, 2016, 81, S1-S381.	1.3	0
56	Molecular networking approach to detect new analogues of prenylated stilbenes from Macaranga spp.. Planta Medica, 2016, 81, S1-S381.	1.3	0
57	Modern tools to analyse museum samples of curare and psychoactive preparations used by Amazonian tribes. Planta Medica, 2016, 81, S1-S381.	1.3	0
58	A UHPLC/MS-MS-based HDAC assay applied to bio-guided microfractionation of fungi extracts. Planta Medica, 2016, 81, S1-S381.	1.3	0
59	Towards an efficient and targeted isolation of valuable natural products only. Planta Medica, 2016, 81, S1-S381.	1.3	0
60	Investigation of an edible TCM bitter melon (Momordica charantia): metabolite profiling, differentiation and characterization. Planta Medica, 2016, 81, S1-S381.	1.3	0
61	Metabolite profiling and targeted isolation of markers for a comprehensive standardisation of a multi-herb TCM formula to treat atopic dermatitis. Planta Medica, 2016, 81, S1-S381.	1.3	0
62	Pharmacognosy In The Digital Era. , 2018, , .		0
63	Comprehensive study of foliar endophyte communities in a rainforest palm: a model for deciphering host-microbe interactions and exploring metabolite chemo-diversity. Planta Medica, 2019, 85, .	1.3	0
64	Multi-informative bioactivity-based molecular networking of a large chemodiverse plant collection allows efficient identification of trypanocidal natural products. , 2019, 85, .		0
65	Taxonomically informed metabolite annotation and data organization in natural products research. Planta Medica, 2019, 85, .	1.3	0
66	Comprehensive chemotaxonomy: mining data from tandem mass spectrometry of lichens. Planta Medica, 2019, 85, .	1.3	0
67	Strategy for exhaustive plant metabolomes characterization from a qualitative and quantitative perspective. Planta Medica, 2019, 85, .	1.3	0
68	Prioritization of high-value natural products from a large chemo-diverse plant extracts collection: a focus on structural novelty. , 2019, 85, .		0