Laurence Marcourt

List of Publications by Year
in descending order

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115 papers	3,033 citations	201674 27 h-index	197818 49 g-index
120 all docs	120 docs citations	120 times ranked	4600 citing authors

#	Article	IF	Citations
1	Antileishmanial Activity of Dimeric Flavonoids Isolated from Arrabidaea brachypoda. Molecules, 2019, 24, 1.	3.8	370
2	Integration of Molecular Networking and In-Silico MS/MS Fragmentation for Natural Products Dereplication. Analytical Chemistry, 2016, 88, 3317-3323.	6.5	329
3	Bioactive Natural Products Prioritization Using Massive Multi-informational Molecular Networks. ACS Chemical Biology, 2017, 12, 2644-2651.	3.4	112
4	Fourier and Wavelet Transform Analysis, a Tool for Visualizing Regular Patterns in DNA Sequences. Journal of Theoretical Biology, 2000, 206, 323-326.	1.7	104
5	Antitrypanosomal Quinoline Alkaloids from the Roots of Waltheria indica. Journal of Natural Products, 2014, 77, 2304-2311.	3.0	89
6	Vitis vinifera Canes, a New Source of Antifungal Compounds against Plasmopara viticola, Erysiphe necator, and Botrytis cinerea. Journal of Agricultural and Food Chemistry, 2013, 61, 5459-5467.	5.2	85
7	Antifungal Quinoline Alkaloids from Waltheria indica. Journal of Natural Products, 2016, 79, 300-307.	3.0	83
8	Indole alkaloids of Psychotria as multifunctional cholinesterases and monoamine oxidases inhibitors. Phytochemistry, 2013, 86, 8-20.	2.9	76
9	Alisiaquinones and Alisiaquinol, Dual Inhibitors of Plasmodium falciparum Enzyme Targets from a New Caledonian Deep Water Sponge. Journal of Natural Products, 2008, 71, 1189-1192.	3.0	68
10	Antimalarial Activity of Sesquiterpene Lactones from Vernonia cinerea. Chemical and Pharmaceutical Bulletin, 2006, 54, 1437-1439.	1.3	55
11	Zebrafish Bioassay-Guided Microfractionation Identifies Anticonvulsant Steroid Glycosides from the Philippine Medicinal Plant Solanum torvum. ACS Chemical Neuroscience, 2014, 5, 993-1004.	3.5	55
12	Diterpenoids and triterpenoids from Euphorbia guyoniana. Phytochemistry, 2007, 68, 1255-1260.	2.9	52
13	Dimeric Flavonoids from Arrabidaea brachypoda and Assessment of Their Anti-Trypanosoma cruzi Activity. Journal of Natural Products, 2014, 77, 1345-1350.	3.0	50
14	Zebrafish-based identification of the antiseizure nucleoside inosine from the marine diatom Skeletonema marinoi. PLoS ONE, 2018, 13, e0196195.	2.5	49
15	Integration of Microfractionation, qNMR and Zebrafish Screening for the In Vivo Bioassay-Guided Isolation and Quantitative Bioactivity Analysis of Natural Products. PLoS ONE, 2013, 8, e64006.	2.5	47
16	Chemical Composition of the Bark of Tetrapterys mucronata and Identification of Acetylcholinesterase Inhibitory Constituents. Journal of Natural Products, 2014, 77, 650-656.	3.0	47
17	The plant pathogen Pseudomonas aeruginosa triggers a DELLA-dependent seed germination arrest in Arabidopsis. ELife, 2018, 7, .	6.0	40
18	Monoamine oxidase inhibition by monoterpene indole alkaloids and fractions obtained from Psychotria suterella and Psychotria laciniata. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 611-618.	5.2	38

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19	Chemical constituents from Waltheria indica exert in vitro activity against Trypanosoma brucei and T. cruzi. FÃ¬toterapÃ¬Ã¢, 2015, 105, 55-60.	2.2	38
20	Antioxidants, quinone reductase inducers and acetylcholinesterase inhibitors from Spondias tuberosa fruits. Journal of Functional Foods, 2016, 21, 396-405.	3.4	37
21	Unguiculin A and Ptilomycalins Eâ€“H, Antimalarial Guanidine Alkaloids from the Marine Sponge Monanchora unguiculata. Journal of Natural Products, 2017, 80, 1404-1410.	3.0	37
22	Isolation and Antimicrobial Activity of Coumarin Derivatives from Fruits of Peucedanum luxurians Tamamsch. Molecules, 2018, 23, 1222.	3.8	36
23	Phosphatidylcholines from Pieris brassicae eggs activate an immune response in Arabidopsis. ELife, 2020, 9, .	6.0	36
24	Comprehensive approach for the detection of antifungal compounds using a susceptible strain of Candida albicans and confirmation of in vivo activity with the Galleria mellonella model. Phytochemistry, 2014, 105, 68-78.	2.9	35
25	Occurrence of the Synthetic Analgesic Tramadol in an African Medicinal Plant. Angewandte Chemie - International Edition, 2013, 52, 11780-11784.	13.8	34
26	Targeted Isolation of Indolopyridoquinazoline Alkaloids from Conchocarpus fontanesianus Based on Molecular Networks. Journal of Natural Products, 2016, 79, 2270-2278.	3.0	34
27	Utility of dry load injection for an efficient natural products isolation at the semi-preparative chromatographic scale. Journal of Chromatography A, 2019, 1598, 85-91.	3.7	33
28	Anti-Candida Cassane-Type Diterpenoids from the Root Bark of Swartzia simplex. Journal of Natural Products, 2015, 78, 2994-3004.	3.0	27
29	Gastroprotective effects of hydroethanolic root extract of Arrabidaea brachypoda: Evidences of cytoprotection and isolation of unusual glycosylated polyphenols. Phytochemistry, 2017, 135, 93-105.	2.9	27
30	Anti-inflammatory and antiproliferative diterpenoids from Plectranthus scutellarioides. Phytochemistry, 2018, 154, 39-46.	2.9	27
31	Polyketide Skeletons from the Marine Algaâ€Derived Fungus Coniothyrium cereale. European Journal of Organic Chemistry, 2012, 2012, 6197-6203.	2.4	26
32	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
33	Cancer chemopreventive diterpenes from Salvia corrugata. Phytochemistry, 2013, 96, 257-264.	2.9	25
34	Generation of Antifungal Stilbenes Using the Enzymatic Secretome of Botrytis cinerea. Journal of Natural Products, 2017, 80, 887-898.	3.0	25
35	Symphytum officinale L.: Liquid-liquid chromatography isolation of caffeic acid oligomers and evaluation of their influence on pro-inflammatory cytokine release in LPS-stimulated neutrophils. Journal of Ethnopharmacology, 2020, 262, 113169.	4.1	25
36	Impact of C5â€cytosine methylation on the solution structure of d(GAAAACGTTTTC)₂. FEBS Journal, 1999, 265, 1032-1042.	0.2	24

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37	Anti-inflammatory, antimicrobial and antioxidant activities of Diospyros bipindensis (GÃ¼rke) extracts and its main constituents. Journal of Ethnopharmacology, 2013, 146, 264-270.	4.1	24
38	Chemical Constituents of Anacardium occidentale as Inhibitors of Trypanosoma cruzi Sirtuins. Molecules, 2019, 24, 1299.	3.8	24
39	Dibenzofurans and Pseudodepsidones from the Lichen Stereocaulon paschale Collected in Northern Quebec. Journal of Natural Products, 2017, 80, 210-214.	3.0	23
40	Dichapetalins from Dichapetalum species and their cytotoxic properties. Phytochemistry, 2013, 94, 184-191.	2.9	22
41	Cancer chemopreventive activity of compounds isolated from Waltheria indica. Journal of Ethnopharmacology, 2017, 203, 214-225.	4.1	21
42	Metabolomics reveals biomarkers in human urine and plasma to predict cytochrome P450 2D6 (CYP2D6) activity. British Journal of Pharmacology, 2021, 178, 4708-4725.	5.4	20
43	Salvia officinalis for Hot Flushes: Towards Determination of Mechanism of Activity and Active Principles. Planta Medica, 2013, 79, 753-760.	1.3	19
44	Puerariae lobatae root extracts and the regulation of brown fat activity. Phytomedicine, 2019, 64, 153075.	5.3	19
45	HPTLC Bioautography Guided Isolation of Î±â€Glucosidase Inhibiting Compounds from <scp>Justicia secunda</scp> Vahl (Acanthaceae). Phytochemical Analysis, 2017, 28, 87-92.	2.4	18
46	Zebrafish bioassay-guided isolation of antiseizure compounds from the Cameroonian medicinal plant Cyperus articulatus L. Phytomedicine, 2020, 70, 153175.	5.3	18
47	Dihydrohymenialdisines, new pyrrole-2-aminoimidazole alkaloids from the marine sponge Cymbastela cantharella. Tetrahedron Letters, 2011, 52, 2676-2678.	1.4	17
48	Meroterpenes from Dichrostachys cinerea Inhibit Protein Farnesyl Transferase Activity. Journal of Natural Products, 2009, 72, 1804-1815.	3.0	16
49	High-performance countercurrent chromatographic isolation of acylated iridoid diglycosides from Verbascum ovalifolium Donn ex Sims and evaluation of their inhibitory potential on IL-8 and TNF-Î± production. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 295-303.	2.8	16
50	An unusual lignan sulfate and aromatic compounds from Frankenia thymifolia Desf.. Biochemical Systematics and Ecology, 2007, 35, 176-179.	1.3	15
51	Proteasome Inhibitors from Neoboutonia melleri. Journal of Natural Products, 2012, 75, 34-47.	3.0	15
52	High-performance counter-current chromatography isolation and initial neuroactivity characterization of furanocoumarin derivatives from Peucedanum alsaticum L (Apiaceae). Phytomedicine, 2019, 54, 259-264.	5.3	15
53	Ent-abietane diterpenoids from Euphorbia guyoniana Boiss. & Reut.. Biochemical Systematics and Ecology, 2009, 37, 504-508.	1.3	14
54	Protoflavonoids from Ferns Impair Centrosomal Integrity of Tumor Cells. Planta Medica, 2011, 77, 461-466.	1.3	13

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55	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
56	Generation of Stilbene Antimicrobials against Multiresistant Strains of Staphylococcus aureus through Biotransformation by the Enzymatic Secretome of Botrytis cinerea. Journal of Natural Products, 2020, 83, 2347-2356.	3.0	13
57	Grahamines Aâ€“E, Cyclobutane-Centered Tropane Alkaloids from the Aerial Parts of Schizanthus grahamii. Journal of Natural Products, 2011, 74, 2388-2394.	3.0	12
58	Biomimetic synthesis of Tramadol. Chemical Communications, 2015, 51, 14451-14453.	4.1	12
59	Regiospecific Synthesis of 1,4,5-Trisubstituted 1,2,3-Triazoles via Enolateâ€“Azide Cycloaddition between 1,3-Dicarbonyl Compounds and Aryl Azides. Journal of Chemical Research, 2016, 40, 453-457.	1.3	12
60	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
61	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
62	Coumarins from Seseli devenyense Simonk.: Isolation by Liquidâ€“Liquid Chromatography and Potential Anxiolytic Activity Using an In Vivo Zebrafish Larvae Model. International Journal of Molecular Sciences, 2021, 22, 1829.	4.1	12
63	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
64	Preparative Scale MS-Guided Isolation of Bioactive Compounds Using High-Resolution Flash Chromatography: Antifungals from Chiloscyphus polyanthos as a Case Study. Planta Medica, 2016, 82, 1051-1057.	1.3	11
65	Rutamarin: Efficient Liquidâ€“Liquid Chromatographic Isolation from Ruta graveolens L. and Evaluation of Its In Vitro and In Silico MAO-B Inhibitory Activity. Molecules, 2020, 25, 2678.	3.8	11
66	Four New Carvotanacetone Derivatives fromSphaeranthus ukambensis, Inhibitors of the Ubiquitin-Proteasome Pathway. Planta Medica, 2011, 77, 1605-1609.	1.3	10
67	Peltogynoids and 2-Phenoxychromones from Peltophorum pterocarpum and Evaluation of Their Estrogenic Activity. Planta Medica, 2013, 79, 480-486.	1.3	10
68	Antimycobacterial activity in a single-cell infection assay of ellagitannins from Combretum aculeatum and their bioavailable metabolites. Journal of Ethnopharmacology, 2019, 238, 111832.	4.1	10
69	Antiseizure potential of the ancient Greek medicinal plant Helleborus odorus subsp. cyclophyllus and identification of its main active principles. Journal of Ethnopharmacology, 2020, 259, 112954.	4.1	10
70	Extensive phytochemical investigation of the polar constituents of Diospyros bipindensis GÃ¼rke traditionally used by Baka pygmies. Phytochemistry, 2013, 96, 279-287.	2.9	9
71	HPLC Profiling with Atâ€line Microdilution Assay for the Early Identification of Antiâ€fungal Compounds in Plants from French Polynesia. Phytochemical Analysis, 2014, 25, 106-112.	2.4	9
72	SYNTHESIS AND ANTIFUNGAL ACTIVITY OF DIARYL HYDRAZONES FROM 2,4-DINITROPHENYLHYDRAZINE. Journal of the Chilean Chemical Society, 2016, 61, 3081-3084.	1.2	9

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73	UHPLCâ€MSâ€based HDAC Assay Applied to Bioâ€guided Microfractionation of Fungal Extracts. Phytochemical Analysis, 2017, 28, 93-100.	2.4	9
74	Antioxidant and antibacterial activities and polyphenolic constituents of Helianthemum sessiliflorum Pers.. Natural Product Research, 2017, 31, 686-690.	1.8	9
75	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
76	Conformational variation of the central CG site in d(ATGACGTCAT)2 and d(GAAAACGTTTTC)2. FEBS Journal, 2001, 261, 722-733.	0.2	8
77	Cell-based bioreporter assay coupled to HPLC micro-fractionation in the evaluation of antimicrobial properties of the basidiomycete fungusPycnoporus cinnabarinus. Pharmaceutical Biology, 2016, 54, 1108-1115.	2.9	8
78	Amphimedonoic acid and psammaplysene E, novel brominated alkaloids from Amphimedon sp.. Tetrahedron Letters, 2017, 58, 3901-3904.	1.4	8
79	Efficient extraction and isolation of skimmianine from New Caledonian plant Medicosma leratii and evaluation of its effects on apoptosis, necrosis, and autophagy. Phytochemistry Letters, 2019, 30, 224-230.	1.2	8
80	Chemo-Diversification of Plant Extracts Using a Generic Bromination Reaction and Monitoring by Metabolite Profiling. ACS Combinatorial Science, 2019, 21, 171-182.	3.8	8
81	Chemical composition, antioxidant, antihemolytic and anti-inflammatory activities of Ononis mitissima L.. Phytochemistry Letters, 2020, 37, 63-69.	1.2	7
82	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
83	Identification of Potential Antiseizure Agents in Boswellia sacra using In Vivo Zebrafish and Mouse Epilepsy Models. ACS Chemical Neuroscience, 2021, 12, 1791-1801.	3.5	7
84	A Cytotoxic Porphyrin from North Pacific Brittle Star Ophiura sarsii. Marine Drugs, 2021, 19, 11.	4.6	7
85	Chemoenzymatic Synthesis of Original Stilbene Dimers Possessing Wnt Inhibition Activity in Triple-Negative Breast Cancer Cells Using the Enzymatic Secretome of Botrytis cinerea Pers.. Frontiers in Chemistry, 2022, 10, 881298.	3.6	7
86	Acylated iridoid glycosides from Scrophularia saharae Batt. & Trab.. Biochemical Systematics and Ecology, 2011, 39, 902-905.	1.3	6
87	Synthesis and Antifungal activity of Phenacyl Azoles. Journal of Chemical Research, 2014, 38, 549-552.	1.3	6
88	In Vitro Anti-Inflammatory Activity in Arthritic Synoviocytes of A. brachypoda Root Extracts and Its Unusual Dimeric Flavonoids. Molecules, 2020, 25, 5219.	3.8	6
89	Hypoglycemic active principles from the leaves of Bauhinia holophylla: Comprehensive phytochemical characterization and in vivo activity profile. PLoS ONE, 2021, 16, e0258016.	2.5	6
90	Semisynthetic neoboutomellerone derivatives as ubiquitin-proteasome pathway inhibitors. Bioorganic and Medicinal Chemistry, 2012, 20, 819-831.	3.0	5

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91	Hibiscus sabdariffa, a Treatment for Uncontrolled Hypertension. Pilot Comparative Intervention. Plants, 2021, 10, 1018.	3.5	5
92	Isolation and Identification of Isocoumarin Derivatives With Specific Inhibitory Activity Against Wnt Pathway and Metabolome Characterization of Lasiodiplodia venezuelensis. Frontiers in Chemistry, 2021, 9, 664489.	3.6	5
93	Chemoenzymatic Synthesis of Complex Phenylpropanoid Derivatives by the Botrytis cinerea Secretome and Evaluation of Their Wnt Inhibition Activity. Frontiers in Plant Science, 2021, 12, 805610.	3.6	5
94	Chemical Composition and Anti-Inflammatory Activity of the Decoction from Leaves of a Cultivated Specimen of Myracrodruon urundeuva. Journal of the Brazilian Chemical Society, 0, , .	0.6	4
95	Production of Highly Active Antiparasitic Compounds from the Controlled Halogenation of the Arrabidaea brachypoda Crude Plant Extract. Journal of Natural Products, 2020, 83, 2631-2640.	3.0	4
96	Characterization of Pseudomonas aeruginosa Quorum Sensing Inhibitors from the Endophyte Lasiodiplodia venezuelensis and Evaluation of Their Antivirulence Effects by Metabolomics. Microorganisms, 2021, 9, 1807.	3.6	4
97	Kaempferol-3-O-Î±-(3,4-di-E-p-coumaroyl)-rhamnopyranoside from Nectandra oppositifolia releases Ca2+ from intracellular pools of Trypanosoma cruzi affecting the bioenergetics system. Chemico-Biological Interactions, 2021, 349, 109661.	4.0	4
98	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
99	Normal phase HPLC-based activity profiling of non-polar crude plant extracts â€“ acetylcholinesterase inhibiting guttiferones from Montrouziera cauliflora as a case study. Natural Product Research, 2016, 30, 2754-2759.	1.8	3
100	Two New Prenylated Isoflavonoids from Erinacea anthyllis with Antioxidant and Antibacterial Activities. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	3
101	Quantitative Evaluation of Various Preparations and Extracts of the Male Contraceptive Justicia gendarussa and Identification of a New Aminobenzyl Derivative. Planta Medica International Open, 2018, 5, e30-e38.	0.5	3
102	NF-ÎºB and Angiogenesis Inhibitors from the Aerial Parts of Chresta martii. Journal of Natural Products, 2018, 81, 1769-1776.	3.0	3
103	Anti-inflammatory and Quinone Reductase-Inducing Compounds from Beilschmiedia mannii. Planta Medica, 2019, 85, 379-384.	1.3	3
104	Chiral Separation of Stilbene Dimers Generated by Biotransformation for Absolute Configuration Determination and Antibacterial Evaluation. Frontiers in Chemistry, 2022, 10, .	3.6	3
105	Two New Hygroline and Tropane Alkaloids Isolated from Schizanthus Hookeri and S. Tricolor (Solanaceae). Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	2
106	Metabolite profile of Nectandra oppositifolia Nees & Mart. and assessment of antitrypanosomal activity of bioactive compounds through efficiency analyses. PLoS ONE, 2021, 16, e0247334.	2.5	2
107	Liquid-Liquid Chromatography Separation of Guaiane-Type Sesquiterpene Lactones from Ferula penninervis Regel & Schmalh. and Evaluation of Their In Vitro Cytotoxic and Melanin Inhibitory Potential. International Journal of Molecular Sciences, 2021, 22, 10717.	4.1	2
108	Chemical Composition, Antioxidant, and Anti-inflammatory Activities of Whole Parts of Onobrychis crista-galli (L.) Lam. Natural Products Journal, 2020, 10, 642-654.	0.3	2

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109	Minor Ent-abietane Diterpenoids from Euphorbia guyoniana. Natural Product Communications, 2013, 8, 1934578X1300801.	0.5	1
110	Identification of Antifungal Compounds from the Root Bark of Cordia anisophylla J.S. Mill.. Journal of the Brazilian Chemical Society, 2018, , .	0.6	1
111	Phytochemical and Biological Investigation of Helianthemum nummularium, a High-Altitude Growing Alpine Plant Overrepresented in Ungulates Diets. Planta Medica, 2020, 86, 1185-1190.	1.3	1
112	Saponins from Saffron Corms Inhibit the Gene Expression and Secretion of Pro-Inflammatory Cytokines. Journal of Natural Products, 2021, 84, 630-645.	3.0	1
113	The Structure of Hemicalide from the Marine Sponge Hemimycale sp. European Journal of Organic Chemistry, 2022, 2022, .	2.4	1
114	Covalent bonding of bridged pyridinium aldehyde derivatives with guanine N7 is controlled by CpG site conformationâ€. Perkin Transactions II RSC, 2001, , 1771-1780.	1.1	0
115	Identification of Triterpenoids from Schefflera systyla, Odontadenia puncticulosa and Conostegia speciosa and In Depth Investigation of Their in vitro and in vivo Antifungal Activities. Journal of the Brazilian Chemical Society, 2016, , .	0.6	0