Jean-Luc Wolfender

List of Publications by Year in Descending Order

333 papers	12,084 citations	56 h-index	97 g-index
353 ext. papers	14,483 ext. citations	4.5 avg, IF	6.32 L-index

#	Paper	IF	Citations
333	Targeted isolation of photoactive pigments from mushrooms yielded a highly potent new photosensitizer: 7,7'-biphyscion.. *Scientific Reports*, **2022**, 12, 1108	4.9	1
332	Future Directions for the Discovery of Natural Product-Derived Immunomodulating Drugs.. *Pharmacological Research*, **2022**, 106076	10.2	3
331	Selecting the most promising local treatments: retrospective treatment-outcome surveys and reverse pharmacology **2022**, 501-528		
330	Chemoenzymatic Synthesis of Original Stilbene Dimers Possessing Wnt Inhibition Activity in Triple-Negative Breast Cancer Cells Using the Enzymatic Secretome of Pers.. *Frontiers in Chemistry*, **2022**, 10, 881298	5	0
329	Chemoenzymatic Synthesis of Complex Phenylpropanoid Derivatives by the Secretome and Evaluation of Their Wnt Inhibition Activity.. *Frontiers in Plant Science*, **2021**, 12, 805610	6.2	1
328	Feature-Based Molecular Networking-An Exciting Tool to Spot Species of the Genus with Hidden Photosensitizers. *Metabolites*, **2021**, 11,	5.6	1
327	Combination of Pseudo-LC-NMR and HRMS/MS-Based Molecular Networking for the Rapid Identification of Antimicrobial Metabolites From. *Frontiers in Molecular Biosciences*, **2021**, 8, 725691	5.6	2
326	Alkyl-Quinolones derivatives as potential biomarkers for Pseudomonas aeruginosa infection chronicity in Cystic Fibrosis. *Scientific Reports*, **2021**, 11, 20722	4.9	1
325	Identification of Potential Antiseizure Agents in using Zebrafish and Mouse Epilepsy Models. *ACS Chemical Neuroscience*, **2021**, 12, 1791-1801	5.7	2
324	Feature-Based Molecular Network-Guided Dereplication of Natural Bioactive Products from Leaves of (Willd.) Hochr. *Metabolites*, **2021**, 11,	5.6	2
323	, a Treatment for Uncontrolled Hypertension. Pilot Comparative Intervention. *Plants*, **2021**, 10,	4.5	4
322	Molecular and Functional Analysis of Sunitinib-Resistance Induction in Human Renal Cell Carcinoma Cells. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
321	Coumarins from Simonk.: Isolation by Liquid-Liquid Chromatography and Potential Anxiolytic Activity Using an In Vivo Zebrafish Larvae Model. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
320	Metabolite profile of Nectandra oppositifolia Nees & Mart. and assessment of antitrypanosomal activity of bioactive compounds through efficiency analyses. *PLoS ONE*, **2021**, 16, e0247334	3.7	1
319	Characterization of Quorum Sensing Inhibitors from the Endophyte and Evaluation of Their Antivirulence Effects by Metabolomics. *Microorganisms*, **2021**, 9,	4.9	1
318	Using Porcine Jejunum Ex Vivo to Study Absorption and Biotransformation of Natural Products in Plant Extracts: as a Case Study. *Metabolites*, **2021**, 11,	5.6	2
317	Drug Repurposing to Identify a Synergistic High-Order Drug Combination to Treat Sunitinib-Resistant Renal Cell Carcinoma. *Cancers*, **2021**, 13,	6.6	2

316	Isolation and Identification of Isocoumarin Derivatives With Specific Inhibitory Activity Against Wnt Pathway and Metabolome Characterization of. *Frontiers in Chemistry*, **2021**, 9, 664489	5	2
315	Metabolomics reveals biomarkers in human urine and plasma to predict cytochrome P450 2D6 (CYP2D6) activity. *British Journal of Pharmacology*, **2021**, 178, 4708-4725	8.6	4
314	Hypoglycemic active principles from the leaves of Bauhinia holophylla: Comprehensive phytochemical characterization and in vivo activity profile. *PLoS ONE*, **2021**, 16, e0258016	3.7	2
313	Kaempferol-3-O-(3,4-di-E-p-coumaroyl)-rhamnopyranoside from Nectandra oppositifolia releases Ca from intracellular pools of Trypanosoma cruzi affecting the bioenergetics system. *Chemico-Biological Interactions*, **2021**, 349, 109661	5	1
312	Spatial and evolutionary predictability of phytochemical diversity. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	18
311	Wound- and mechanostimulated electrical signals control hormone responses. *New Phytologist*, **2020**, 227, 1037-1050	9.8	56
310	Rutamarin: Efficient Liquid-Liquid Chromatographic Isolation from L. and Evaluation of Its In Vitro and In Silico MAO-B Inhibitory Activity. *Molecules*, **2020**, 25,	4.8	7
309	Metabolomics of Populations in Brazilian Savanna Reveals Strong Influence of Environmental Factors on Its Specialized Metabolism. *Molecules*, **2020**, 25,	4.8	5
308	Metabolite Profiling of Javanese Ginger 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	5.7	6
307	Surface sensing triggers a broad-spectrum antimicrobial response in Pseudomonas aeruginosa. *Environmental Microbiology*, **2020**, 22, 3572-3587	5.2	8
306	Zebrafish bioassay-guided isolation of antiseizure compounds from the Cameroonian medicinal plant Cyperus articulatus L. *Phytomedicine*, **2020**, 70, 153175	6.5	14
305	Dereplication and Identification of Natural Products Using LC-NMR Based Strategies **2020**, 61-82		
304	Chemical Composition, Antioxidant, and Anti-inflammatory Activities of Whole Parts of Onobrychis crista-galli (L.) Lam. *Natural Products Journal*, **2020**, 10, 642-654	0.6	
303	Phosphatidylcholines from eggs activate an immune response in Arabidopsis. *ELife*, **2020**, 9,	8.9	17
302	A Cytotoxic Porphyrin from North Pacific Brittle Star. *Marine Drugs*, **2020**, 19,	6	5
301	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	5	4
300	Paecilosetin Derivatives as Potent Antimicrobial Agents from. *Journal of Natural Products*, **2020**, 83, 2915-2922	4.9	3
299	Identification and dereplication of endophytic Colletotrichum strains by MALDI TOF mass spectrometry and molecular networking. *Scientific Reports*, **2020**, 10, 19788	4.9	3

298	In Vitro Anti-Inflammatory Activity in Arthritic Synoviocytes of Root Extracts and Its Unusual Dimeric Flavonoids. *Molecules*, **2020**, 25,	4.8	3
297	Tackling Virulence by Mulinane-Like Diterpenoids from. *Biomolecules*, **2020**, 10,	5.9	4
296	A Mass Spectrometry Based Metabolite Profiling Workflow for Selecting Abundant Specific Markers and Their Structurally Related Multi-Component Signatures in Traditional Chinese Medicine Multi-Herb Formulae. *Frontiers in Pharmacology*, **2020**, 11, 578346	5.6	4
295	Generation of Stilbene Antimicrobials against Multiresistant Strains of through Biotransformation by the Enzymatic Secretome of. *Journal of Natural Products*, **2020**, 83, 2347-2356	4.9	6
294	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	5	12
293	Insights on the Structural and Metabolic Resistance of Potato () Cultivars to Tuber Black Dot (). *Frontiers in Plant Science*, **2020**, 11, 1287	6.2	4
292	Phytochemical and Biological Investigation of Helianthemum nummularium, a High-Altitude Growing Alpine Plant Overrepresented in Ungulates Diets. *Planta Medica*, **2020**, 86, 1185-1190	3.1	
291	Production of Highly Active Antiparasitic Compounds from the Controlled Halogenation of the Crude Plant Extract. *Journal of Natural Products*, **2020**, 83, 2631-2640	4.9	1
290	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	4.2	6
289	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	1.9	6
288	Puerariae lobatae root extracts and the regulation of brown fat activity. *Phytomedicine*, **2019**, 64, 153075	5.5	12
287	Effects of Leachate on Competitive Microbiome Depend on Species and Time. *Frontiers in Microbiology*, **2019**, 10, 2042	5.7	9
286	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-α production. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 166, 295-303	3.5	12
285	Innovative omics-based approaches for prioritisation and targeted isolation of natural products - new strategies for drug discovery. *Natural Product Reports*, **2019**, 36, 855-868	15.1	65
284	Structural Identification of Antibacterial Lipids from Amazonian Palm Tree Endophytes through the Molecular Network Approach. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	11
283	Differentiation of Ficus deltoidea varieties and chemical marker determination by UHPLC-TOFMS metabolomics for establishing quality control criteria of this popular Malaysian medicinal herb. *Metabolomics*, **2019**, 15, 35	4.7	11
282	Characterization, Diversity, and Structure-Activity Relationship Study of Lipoamino Acids from sp. and Synthetic Analogues. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	5
281	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	4.5	20

280	Antimycobacterial activity in a single-cell infection assay of ellagitannins from Combretum aculeatum and their bioavailable metabolites. *Journal of Ethnopharmacology*, **2019**, 238, 111832	5	7
279	Chemical Constituents of as Inhibitors of Sirtuins. *Molecules*, **2019**, 24,	4.8	17
278	Quantitative CE analysis of punicalagin in Combretum aculeatum extracts traditionally used in Senegal for the treatment of tuberculosis. *Electrophoresis*, **2019**, 40, 2820-2827	3.6	3
277	Discovery of Lipid Peroxidation Inhibitors from Species Prioritized through Multivariate Data Analysis and Multi-Informative Molecular Networking. *Molecules*, **2019**, 24,	4.8	5
276	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	4.7	14
275	Can biochemical phenotype, obtained from herbarium samples, help taxonomic decisions? A case study using Gentianaceae. *Taxon*, **2019**, 68, 771-782	0.8	5
274	Taxonomically Informed Scoring Enhances Confidence in Natural Products Annotation. *Frontiers in Plant Science*, **2019**, 10, 1329	6.2	39
273	A database of high-resolution MS/MS spectra for lichen metabolites. *Scientific Data*, **2019**, 6, 294	8.2	23
272	Accelerating Metabolite Identification in Natural Product Research: Toward an Ideal Combination of Liquid Chromatography-High-Resolution Tandem Mass Spectrometry and NMR Profiling, in Silico Databases, and Chemometrics. *Analytical Chemistry*, **2019**, 91, 704-742	7.8	101
271	Chemo-Diversification of Plant Extracts Using a Generic Bromination Reaction and Monitoring by Metabolite Profiling. *ACS Combinatorial Science*, **2019**, 21, 171-182	3.9	4
270	Metabolomics Strategies for the Dereplication of Polyphenols and Other Metabolites in Complex Natural Extracts **2019**, 183-205		2
269	High-performance counter-current chromatography isolation and initial neuroactivity characterization of furanocoumarin derivatives from Peucedanum alsaticum L (Apiaceae). *Phytomedicine*, **2019**, 54, 259-264	6.5	8
268	Pharmacognosy in the digital era: shifting to contextualized metabolomics. *Current Opinion in Biotechnology*, **2018**, 54, 57-64	11.4	23
267	Structural design, synthesis and substituent effect of hydrazone-N-acylhydrazones reveal potent immunomodulatory agents. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 1971-1985	3.4	12
266	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	0.8	2
265	Survey on medicinal plants traditionally used in Senegal for the treatment of tuberculosis (TB) and assessment of their antimycobacterial activity. *Journal of Ethnopharmacology*, **2018**, 216, 71-78	5	12
264	NF-B and Angiogenesis Inhibitors from the Aerial Parts of Chresta martii. *Journal of Natural Products*, **2018**, 81, 1769-1776	4.9	3
263	Zebrafish-based identification of the antiseizure nucleoside inosine from the marine diatom Skeletonema marinoi. *PLoS ONE*, **2018**, 13, e0196195	3.7	29

262	Dynamics of Metabolite Induction in Fungal Co-cultures by Metabolomics at Both Volatile and Non-volatile Levels. *Frontiers in Microbiology*, **2018**, 9, 72	5.7	20
261	Isolation and Antimicrobial Activity of Coumarin Derivatives from Fruits of Tamamsch. *Molecules*, **2018**, 23,	4.8	25
260	Phytochemical Composition of the Decoctions of Greek Edible Greens (Chꞗta) and Evaluation of Antioxidant and Cytotoxic Properties. *Molecules*, **2018**, 23,	4.8	18
259	Novel Natural Products for Healthy Ageing from the Mediterranean Diet and Food Plants of Other Global Sources-The MediHealth Project. *Molecules*, **2018**, 23,	4.8	12
258	Lung Cancer Chemopreventive Activity of Patulin Isolated from Penicillium vulpinum. *Molecules*, **2018**, 23,	4.8	8
257	Tannins from Syzygium guineense suppress Wnt signaling and proliferation of Wnt-dependent tumors through a direct effect on secreted Wnts. *Cancer Letters*, **2018**, 435, 110-120	9.9	24
256	Searching for original natural products by molecular networking: detection, isolation and total synthesis of chloroaustralasines. *Organic Chemistry Frontiers*, **2018**, 5, 2171-2178	5.2	17
255	The plant pathogen triggers a DELLA-dependent seed germination arrest in. *ELife*, **2018**, 7,	8.9	20
254	Antileishmanial Activity of Dimeric Flavonoids Isolated from. *Molecules*, **2018**, 24,	4.8	17
253	Dereplication of plant phenolics using a mass-spectrometry database independent method. *Phytochemical Analysis*, **2018**, 29, 601-612	3.4	9
252	New tetraacetylated iridoid glycosides from Sambucus ebulus L. leaves. *Phytochemistry Letters*, **2017**, 20, 429-432	1.9	7
251	Deep metabolome annotation in natural products research: towards a virtuous cycle in metabolite identification. *Current Opinion in Chemical Biology*, **2017**, 36, 40-49	9.7	67
250	Dibenzofurans and Pseudodepsidones from the Lichen Stereocaulon paschale Collected in Northern Quebec. *Journal of Natural Products*, **2017**, 80, 210-214	4.9	18
249	Combining ANOVA-PCA with POCHEMON to analyse micro-organism development in a polymicrobial environment. *Analytica Chimica Acta*, **2017**, 963, 1-16	6.6	4
248	Passive Intestinal Absorption of Representative Plant Secondary Metabolites: A Physicochemical Study. *Planta Medica*, **2017**, 83, 718-726	3.1	1
247	Unguiculin A and Ptilomycalins E-H, Antimalarial Guanidine Alkaloids from the Marine Sponge Monanchora unguiculata. *Journal of Natural Products*, **2017**, 80, 1404-1410	4.9	27
246	Generation of Antifungal Stilbenes Using the Enzymatic Secretome of Botrytis cinerea. *Journal of Natural Products*, **2017**, 80, 887-898	4.9	15
245	UHPLC-MS-based HDAC Assay Applied to Bio-guided Microfractionation of Fungal Extracts. *Phytochemical Analysis*, **2017**, 28, 93-100	3.4	6

244	Gastroprotective effects of hydroethanolic root extract of Arrabidaea brachypoda: Evidences of cytoprotection and isolation of unusual glycosylated polyphenols. *Phytochemistry*, **2017**, 135, 93-105	4	22
243	Cytotoxic Prenylated Stilbenes Isolated from Macaranga tanarius. *Journal of Natural Products*, **2017**, 80, 2684-2691	4.9	23
242	Peptidomic and transcriptomic profiling of four distinct spider venoms. *PLoS ONE*, **2017**, 12, e0172966	3.7	20
241	Involvement of Opioid System, TRPM8, and ASIC Receptors in Antinociceptive Effect of Arrabidaea brachypoda (DC) Bureau. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	6
240	A Rapid Determination and Quantification of Three Biologically Active Polyisoprenylated Benzophenones using Liquid Chromatography-Tandem Mass Spectrometry (MRM) Method in Five Garcinia species from Cameroon. *Natural Product Communications*, **2017**, 12, 1934578X1701201	0.9	
239	Two New Prenylated Isoflavonoids from Erinacea anthyllis with Antioxidant and Antibacterial Activities. *Natural Product Communications*, **2017**, 12, 1934578X1701200	0.9	1
238	Bioactive Natural Products Prioritization Using Massive Multi-informational Molecular Networks. *ACS Chemical Biology*, **2017**, 12, 2644-2651	4.9	81
237	Amphimedonoic acid and psammaplysene E, novel brominated alkaloids from Amphimedon sp.. *Tetrahedron Letters*, **2017**, 58, 3901-3904	2	6
236	Advanced spectroscopic detectors for identification and quantification: Nuclear magnetic resonance **2017**, 479-514		2
235	Targeted Isolation of Monoterpene Indole Alkaloids from Palicourea sessilis. *Journal of Natural Products*, **2017**, 80, 3032-3037	4.9	25
234	Identification and Mode of Action of a Plant Natural Product Targeting Human Fungal Pathogens. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	20
233	Antioxidant and antibacterial activities and polyphenolic constituents of Helianthemum sessiliflorum Pers. *Natural Product Research*, **2017**, 31, 686-690	2.3	3
232	Pro-apoptotic and Anti-migratory Effects of L. Plant Extracts on the Human Prostate Cancer Cell Lines PC3. *Frontiers in Pharmacology*, **2017**, 8, 895	5.6	26
231	Highly localized and persistent induction of Bx1-dependent herbivore resistance factors in maize. *Plant Journal*, **2016**, 88, 976-991	6.9	43
230	Targeted Isolation of Indolopyridoquinazoline Alkaloids from Conchocarpus fontanesianus Based on Molecular Networks. *Journal of Natural Products*, **2016**, 79, 2270-8	4.9	21
229	Conjugation of N-acylhydrazone and 1,2,4-oxadiazole leads to the identification of active antimalarial agents. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 5693-5701	3.4	28
228	Standardized LC–C-ELSD Fractionation Procedure for the Identification of Minor Bioactives via the Enzymatic Screening of Natural Extracts. *Journal of Natural Products*, **2016**, 79, 2856-2864	4.9	6
227	Nauclea latifolia: biological activity and alkaloid phytochemistry of a West African tree. *Natural Product Reports*, **2016**, 33, 1034-43	15.1	32

226	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, 1051-7	3.1	10
225	Cell-based bioreporter assay coupled to HPLC micro-fractionation in the evaluation of antimicrobial properties of the basidiomycete fungus Pycnoporus cinnabarinus. *Pharmaceutical Biology*, **2016**, 54, 1108-15	3.8	7
224	Prediction of the Passive Intestinal Absorption of Medicinal Plant Extract Constituents with the Parallel Artificial Membrane Permeability Assay (PAMPA). *Planta Medica*, **2016**, 82, 424-31	3.1	25
223	Integration of Molecular Networking and In-Silico MS/MS Fragmentation for Natural Products Dereplication. *Analytical Chemistry*, **2016**, 88, 3317-23	7.8	213
222	Antifungal Quinoline Alkaloids from Waltheria indica. *Journal of Natural Products*, **2016**, 79, 300-7	4.9	64
221	Antioxidants, quinone reductase inducers and acetylcholinesterase inhibitors from Spondias tuberosa fruits. *Journal of Functional Foods*, **2016**, 21, 396-405	5.1	24
220	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	3.1	1
219	Integration of molecular networking and in-silico MS/MS fragmentation for sensitive high throughput natural products dereplication. *Planta Medica*, **2016**, 81, S1-S381	3.1	2
218	Differentiation of plants used in TCM as antitussive agent by UHPLC-HRMS based metabolomics: the case of Stemona species. *Planta Medica*, **2016**, 81, S1-S381	3.1	1
217	Isolation and identification of new secondary metabolites from the marine sponge Monanchora unguiculata. *Planta Medica*, **2016**, 81, S1-S381	3.1	2
216	Investigation of the anti-obesity effect of Pueraria montana var. lobata. *Planta Medica*, **2016**, 81, S1-S381	3.1	
215	Integration of molecular networking & in-silico MS/MS fragmentation: a novel dereplication strategy in natural products chemistry. *Planta Medica*, **2016**, 81, S1-S381	3.1	
214	Massive multi-informative molecular networks to mine New-Caledonian chemodiversity for antiviral compounds. *Planta Medica*, **2016**, 81, S1-S381	3.1	
213	Metabolomic differentiation of varieties from Ficus deltoidea, a plant used for management of diabetes in Malaysia. *Planta Medica*, **2016**, 81, S1-S381	3.1	
212	Molecular networking approach to detect new analogues of prenylated stilbenes from Macaranga spp.. *Planta Medica*, **2016**, 81, S1-S381	3.1	
211	Comprehensive investigation of the secondary metabolites from the roots of Galianthe thalictroides (Rubiaceae). *Planta Medica*, **2016**, 81, S1-S381	3.1	
210	Boosting the antifungal drug discovery by halogenating plant extracts to obtain bioactive 'unnatural' natural products. *Planta Medica*, **2016**, 81, S1-S381	3.1	
209	De novo metabolite production through co-cultivation of different fungal species on solid media. *Planta Medica*, **2016**, 81, S1-S381	3.1	

208	Modern tools to analyse museum samples of curare and psychoactive preparations used by Amazonian tribes. *Planta Medica*, **2016**, 81, S1-S381	3.1	
207	Phytochemical analysis of the decoction from leaves of cultivated specimens of Myracrodruon urundeuva (□roeira-do-sert□□ *Planta Medica*, **2016**, 81, S1-S381	3.1	
206	A UHPLC/MS-MS-based HDAC assay applied to bio-guided microfractionation of fungi extracts. *Planta Medica*, **2016**, 81, S1-S381	3.1	
205	Improving the detection of plant bioactive compounds by coupling a semi-preparative 2D-LCxLC system to an HTS platform. *Planta Medica*, **2016**, 81, S1-S381	3.1	
204	Towards an efficient and targeted isolation of valuable natural products only. *Planta Medica*, **2016**, 81, S1-S381	3.1	
203	Investigation of an edible TCM bitter melon (Momordica charantia): metabolite profiling, differentiation and characterization. *Planta Medica*, **2016**, 81, S1-S381	3.1	
202	Detection and dynamics of volatile/non-volatile metabolite induction in fungal co-culture through a miniaturised MS-based metabolomic approach. *Planta Medica*, **2016**, 81, S1-S381	3.1	
201	Chemical profile of Justicia gendarussa a medicinal plant used for male contraception. *Planta Medica*, **2016**, 81, S1-S381	3.1	1
200	Advanced technologies for exploring the chemical and functional properties of bioactive constituents in food. *Planta Medica*, **2016**, 81, S1-S381	3.1	
199	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	3.1	
198	Identification of antimycobacterial ellagitannins from the aqueous extract of Combretum aculeatum. *Planta Medica*, **2016**, 81, S1-S381	3.1	
197	Bioguided isolation of anticonvulsant principles from Helleborus cyclophyllus using the zebrafish epilepsy model. *Planta Medica*, **2016**, 81, S1-S381	3.1	
196	Anticonvulsant agents from Boswellia sacra identified by zebrafish bioassay-guided fractionation. *Planta Medica*, **2016**, 81, S1-S381	3.1	
195	Flash chromatography MS-targeted isolation of natural products under normal phase conditions. *Planta Medica*, **2016**, 81, S1-S381	3.1	
194	Paired Hierarchical Organization of 13-Lipoxygenases in Arabidopsis. *Plants*, **2016**, 5,	4.5	26
193	Statistical Correlations between HPLC Activity-Based Profiling Results and NMR/MS Microfraction Data to Deconvolute Bioactive Compounds in Mixtures. *Molecules*, **2016**, 21, 259	4.8	11
192	Current and Future Perspectives on the Structural Identification of Small Molecules in Biological Systems. *Metabolites*, **2016**, 6,	5.6	84
191	Production of Fusaric Acid by Fusarium spp. in Pure Culture and in Solid Medium Co-Cultures. *Molecules*, **2016**, 21, 370	4.8	14

190	Normal phase HPLC-based activity profiling of non-polar crude plant extracts - acetylcholinesterase inhibiting guttiferones from Montrouziera cauliflora as a case study. *Natural Product Research*, **2016** , 30, 2754-2759	2.3	3
189	Advances in venomics. *Molecular BioSystems*, **2016**, 12, 3530-3543		32
188	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. *Nature Biotechnology*, **2016**, 34, 828-837	44.5	1566
187	Within-plant distribution of 1,4-benzoxazin-3-ones contributes to herbivore niche differentiation in maize. *Plant, Cell and Environment*, **2015**, 38, 1081-93	8.4	36
186	Biomimetic synthesis of Tramadol. *Chemical Communications*, **2015**, 51, 14451-3	5.8	10
185	Profiling, Isolation, Chemical Characterisation and Distribution of Gentianaceae Constituents **2015**, 349-381		2
184	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, 6754-9	11.5	54
183	Rational and Efficient Preparative Isolation of Natural Products by MPLC-UV-ELSD based on HPLC to MPLC Gradient Transfer. *Planta Medica*, **2015**, 81, 1636-43	3.1	28
182	Axial and Radial Oxylipin Transport. *Plant Physiology*, **2015**, 169, 2244-54	6.6	53
181	Phospholipidosis effect of drugs by adsorption into lipid monolayers. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 175-84	6	6
180	The pharmaceutical industry and natural products: historical status and new trends. *Phytochemistry Reviews*, **2015**, 14, 299-315	7.7	259
179	Current approaches and challenges for the metabolite profiling of complex natural extracts. *Journal of Chromatography A*, **2015**, 1382, 136-64	4.5	332
178	A Physiological and Behavioral Mechanism for Leaf Herbivore-Induced Systemic Root Resistance. *Plant Physiology*, **2015**, 169, 2884-94	6.6	38
177	Anti-Candida Cassane-Type Diterpenoids from the Root Bark of Swartzia simplex. *Journal of Natural Products*, **2015**, 78, 2994-3004	4.9	23
176	LC-MS/MS quantitative determination of Tetrapterys mucronata alkaloids, a plant occasionally used in ayahuasca preparation. *Phytochemical Analysis*, **2015**, 26, 183-8	3.4	10
175	Integrating metabolomic data from multiple analytical platforms for a comprehensive characterisation of lemon essential oils. *Flavour and Fragrance Journal*, **2015**, 30, 131-138	2.5	11
174	Projected Orthogonalized CHemical Encounter MONitoring (POCHEMON) for microbial interactions in co-culture. *Metabolomics*, **2015**, 11, 908-919	4.7	7
173	Maize Domestication and Anti-Herbivore Defences: Leaf-Specific Dynamics during Early Ontogeny of Maize and Its Wild Ancestors. *PLoS ONE*, **2015**, 10, e0135722	3.7	33

172	Comprehensive profiling and marker identification in non-volatile citrus oil residues by mass spectrometry and nuclear magnetic resonance. *Food Chemistry*, **2014**, 150, 235-45	8.5	21
171	Metabolite identification: are you sure? And how do your peers gauge your confidence?. *Metabolomics*, **2014**, 10, 350-353	4.7	162
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4	Organometallic Macrocycles: Synthesis and Molecular Structure of Trimeric Tartratodiruthenium Complexes. *Angewandte Chemie International Edition in English*, **1990**, 29, 429-431		32
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