

Robert Verpoorte

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/564802/publications.pdf>

Version: 2024-02-01

595
papers

38,647
citations

2963

93
h-index

4978

167
g-index

623
all docs

623
docs citations

623
times ranked

28975
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural deep eutectic solvents as new potential media for green technology. <i>Analytica Chimica Acta</i> , 2013, 766, 61-68.	2.6	1,748
2	Elicitor signal transduction leading to production of plant secondary metabolites. <i>Biotechnology Advances</i> , 2005, 23, 283-333.	6.0	1,555
3	Are Natural Deep Eutectic Solvents the Missing Link in Understanding Cellular Metabolism and Physiology?. <i>Plant Physiology</i> , 2011, 156, 1701-1705.	2.3	887
4	Tailoring properties of natural deep eutectic solvents with water to facilitate their applications. <i>Food Chemistry</i> , 2015, 187, 14-19.	4.2	823
5	NMR-based metabolomic analysis of plants. <i>Nature Protocols</i> , 2010, 5, 536-549.	5.5	745
6	The Catharanthus Alkaloids: Pharmacognosy and Biotechnology. <i>Current Medicinal Chemistry</i> , 2004, 11, 607-628.	1.2	587
7	Natural Deep Eutectic Solvents as a New Extraction Media for Phenolic Metabolites in <i>Carthamus tinctorius</i> L.. <i>Analytical Chemistry</i> , 2013, 85, 6272-6278.	3.2	513
8	Chalcone synthase and its functions in plant resistance. <i>Phytochemistry Reviews</i> , 2011, 10, 397-412.	3.1	504
9	Biotechnology for the production of plant secondary metabolites. <i>Phytochemistry Reviews</i> , 2002, 1, 13-25.	3.1	475
10	Cultivation of medicinal and aromatic plants for specialty industrial materials. <i>Industrial Crops and Products</i> , 2011, 34, 785-801.	2.5	426
11	Ionic Liquids and Deep Eutectic Solvents in Natural Products Research: Mixtures of Solids as Extraction Solvents. <i>Journal of Natural Products</i> , 2013, 76, 2162-2173.	1.5	377
12	Screening for acetylcholinesterase inhibitors from Amaryllidaceae using silica gel thin-layer chromatography in combination with bioactivity staining. <i>Journal of Chromatography A</i> , 2001, 915, 217-223.	1.8	368
13	The seco-iridoid pathway from <i>Catharanthus roseus</i> . <i>Nature Communications</i> , 2014, 5, 3606.	5.8	355
14	NMR-based plant metabolomics: where do we stand, where do we go?. <i>Trends in Biotechnology</i> , 2011, 29, 267-275.	4.9	344
15	Biosynthesis, Natural Sources, Dietary Intake, Pharmacokinetic Properties, and Biological Activities of Hydroxycinnamic Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10877-10895.	2.4	334
16	ORCAnization of jasmonate-responsive gene expression in alkaloid metabolism. <i>Trends in Plant Science</i> , 2001, 6, 212-219.	4.3	316
17	Engineering secondary metabolite production in plants. <i>Current Opinion in Biotechnology</i> , 2002, 13, 181-187.	3.3	306
18	Green solvents from ionic liquids and deep eutectic solvents to natural deep eutectic solvents. <i>Comptes Rendus Chimie</i> , 2018, 21, 628-638.	0.2	295

#	ARTICLE	IF	CITATIONS
19	Natural deep eutectic solvents providing enhanced stability of natural colorants from safflower (<i>Carthamus tinctorius</i>). <i>Food Chemistry</i> , 2014, 159, 116-121.	4.2	291
20	Metabolomics in the context of systems biology: bridging traditional Chinese medicine and molecular pharmacology. <i>Phytotherapy Research</i> , 2005, 19, 173-182.	2.8	290
21	Application of natural deep eutectic solvents to the extraction of anthocyanins from <i>Catharanthus roseus</i> with high extractability and stability replacing conventional organic solvents. <i>Journal of Chromatography A</i> , 2016, 1434, 50-56.	1.8	290
22	Sample preparation for plant metabolomics. <i>Phytochemical Analysis</i> , 2010, 21, 4-13.	1.2	277
23	Renewable energy from Cyanobacteria: energy production optimization by metabolic pathway engineering. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 471-490.	1.7	273
24	Geraniol 10-hydroxylase1, a cytochrome P450 enzyme involved in terpenoid indole alkaloid biosynthesis. <i>FEBS Letters</i> , 2001, 508, 215-220.	1.3	272
25	Secondary metabolism in cannabis. <i>Phytochemistry Reviews</i> , 2008, 7, 615-639.	3.1	268
26	An ABC Transporter Mutation Alters Root Exudation of Phytochemicals That Provoke an Overhaul of Natural Soil Microbiota. <i>Plant Physiology</i> , 2009, 151, 2006-2017.	2.3	263
27	Exploration of nature's chemodiversity: the role of secondary metabolites as leads in drug development. <i>Drug Discovery Today</i> , 1998, 3, 232-238.	3.2	262
28	Metabolic fingerprinting of <i>Cannabis sativa</i> L., cannabinoids and terpenoids for chemotaxonomic and drug standardization purposes. <i>Phytochemistry</i> , 2010, 71, 2058-2073.	1.4	258
29	Identification of Chlorogenic Acid as a Resistance Factor for Thrips in <i>Chrysanthemum</i> . <i>Plant Physiology</i> , 2009, 150, 1567-1575.	2.3	253
30	Metabolic Discrimination of <i>Catharanthus roseus</i> Leaves Infected by Phytoplasma Using 1H-NMR Spectroscopy and Multivariate Data Analysis. <i>Plant Physiology</i> , 2004, 135, 2398-2410.	2.3	242
31	Metabolic constituents of grapevine and grape-derived products. <i>Phytochemistry Reviews</i> , 2010, 9, 357-378.	3.1	241
32	Ethnopharmacology and systems biology: A perfect holistic match. <i>Journal of Ethnopharmacology</i> , 2005, 100, 53-56.	2.0	239
33	Health-Affecting Compounds in <i>Brassicaceae</i> . <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2009, 8, 31-43.	5.9	238
34	NMR-based metabolomics at work in phytochemistry. <i>Phytochemistry Reviews</i> , 2007, 6, 3-14.	3.1	231
35	Medicinal Plants of the Russian Pharmacopoeia; their history and applications. <i>Journal of Ethnopharmacology</i> , 2014, 154, 481-536.	2.0	225
36	Overproduction of salicylic acid in plants by bacterial transgenes enhances pathogen resistance. <i>Nature Biotechnology</i> , 2000, 18, 779-783.	9.4	216

#	ARTICLE	IF	CITATIONS
37	Cell and tissue cultures of <i>Catharanthus roseus</i> : A literature survey. <i>Plant Cell, Tissue and Organ Culture</i> , 1995, 42, 1-25.	1.2	209
38	Coordinated regulation of two indole alkaloid biosynthetic genes from <i>Catharanthus roseus</i> by auxin and elicitors. <i>Plant Molecular Biology</i> , 1992, 18, 1121-1131.	2.0	208
39	<i>Catharanthus</i> terpenoid indole alkaloids: biosynthesis and regulation. <i>Phytochemistry Reviews</i> , 2007, 6, 277-305.	3.1	208
40	<i>Tabernaemontana</i> L. (Apocynaceae): A review of its taxonomy, phytochemistry, ethnobotany and pharmacology. <i>Journal of Ethnopharmacology</i> , 1984, 10, 1-156.	2.0	207
41	Effects of over-expression of strictosidine synthase and tryptophan decarboxylase on alkaloid production by cell cultures of <i>Catharanthus roseus</i> . <i>Planta</i> , 1998, 205, 414-419.	1.6	196
42	What is in a name? The need for accurate scientific nomenclature for plants. <i>Journal of Ethnopharmacology</i> , 2014, 152, 393-402.	2.0	194
43	High-performance liquid chromatography with on-line coupled UV, mass spectrometric and biochemical detection for identification of acetylcholinesterase inhibitors from natural products. <i>Journal of Chromatography A</i> , 2000, 872, 61-73.	1.8	191
44	Metabolic fingerprinting of wild type and transgenic tobacco plants by ¹ H NMR and multivariate analysis technique. <i>Phytochemistry</i> , 2004, 65, 857-864.	1.4	183
45	Good practice in reviewing and publishing studies on herbal medicine, with special emphasis on traditional Chinese medicine and Chinese materia medica. <i>Journal of Ethnopharmacology</i> , 2012, 140, 469-475.	2.0	180
46	Initiation, growth and cryopreservation of plant cell suspension cultures. <i>Nature Protocols</i> , 2011, 6, 715-742.	5.5	179
47	A review of the medicinal potentials of plants of the genus <i>Vernonia</i> (Asteraceae). <i>Journal of Ethnopharmacology</i> , 2013, 146, 681-723.	2.0	175
48	Metabolomic Differentiation of <i>Cannabissativa</i> Cultivars Using ¹ H NMR Spectroscopy and Principal Component Analysis. <i>Journal of Natural Products</i> , 2004, 67, 953-957.	1.5	171
49	Green solvents for the extraction of bioactive compounds from natural products using ionic liquids and deep eutectic solvents. <i>Current Opinion in Food Science</i> , 2019, 26, 87-93.	4.1	171
50	NMR Metabolomics to Revisit the Tobacco Mosaic Virus Infection in <i>Nicotiana tabacum</i> Leaves. <i>Journal of Natural Products</i> , 2006, 69, 742-748.	1.5	165
51	The iridoid glucoside secologanin is derived from the novel triose phosphate/pyruvate pathway in a <i>Catharanthus roseus</i> cell culture. <i>FEBS Letters</i> , 1998, 434, 413-416.	1.3	158
52	Molecular Cloning and Analysis of Strictosidine ¹² -d-Glucosidase, an Enzyme in Terpenoid Indole Alkaloid Biosynthesis in <i>Catharanthus roseus</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 3051-3056.	1.6	158
53	Quality Control of Herbal Material and Phytopharmaceuticals with MS and NMR Based Metabolic Fingerprinting. <i>Planta Medica</i> , 2009, 75, 763-775.	0.7	158
54	NMR Metabolomics of Thrips (<i>Frankliniella occidentalis</i>) Resistance in <i>Senecio</i> Hybrids. <i>Journal of Chemical Ecology</i> , 2009, 35, 219-229.	0.9	156

#	ARTICLE	IF	CITATIONS
55	Qualitative determination of false-positive effects in the acetylcholinesterase assay using thin layer chromatography. <i>Phytochemical Analysis</i> , 2003, 14, 127-131.	1.2	153
56	Metabolomics: back to basics. <i>Phytochemistry Reviews</i> , 2008, 7, 525-537.	3.1	153
57	The perspectives of natural deep eutectic solvents in agri-food sector. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 2564-2592.	5.4	148
58	Evaluation of a vaporizing device (Volcano®) for the pulmonary administration of tetrahydrocannabinol. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1308-1317.	1.6	146
59	Monoterpenoid indole alkaloids biosynthesis and its regulation in <i>Catharanthus roseus</i> : a literature review from genes to metabolites. <i>Phytochemistry Reviews</i> , 2016, 15, 221-250.	3.1	146
60	Recent Insights into the Biosynthesis and Biological Activities of Natural Xanthones. <i>Current Medicinal Chemistry</i> , 2010, 17, 854-901.	1.2	142
61	Transcriptional and metabolic profiling of grape (<i>Vitis vinifera</i> L.) leaves unravel possible innate resistance against pathogenic fungi. <i>Journal of Experimental Botany</i> , 2008, 59, 3371-3381.	2.4	141
62	Isopentenyl diphosphate isomerase: a core enzyme in isoprenoid biosynthesis. A review of its biochemistry and function. <i>Natural Product Reports</i> , 1997, 14, 591.	5.2	140
63	Effect of terpenoid precursor feeding and elicitation on formation of indole alkaloids in cell suspension cultures of <i>Catharanthus roseus</i> . <i>Plant Cell Reports</i> , 1993, 12, 702-705.	2.8	135
64	Method for the extraction of the volatile compound salicylic acid from tobacco leaf material. <i>Phytochemical Analysis</i> , 2002, 13, 45-50.	1.2	135
65	Cell and tissue cultures of <i>Catharanthus roseus</i> (L.) G. Don: a literature survey. <i>Plant Cell, Tissue and Organ Culture</i> , 1989, 18, 231-280.	1.2	134
66	Transcript and metabolite analysis in Trincadeira cultivar reveals novel information regarding the dynamics of grape ripening. <i>BMC Plant Biology</i> , 2011, 11, 149.	1.6	133
67	Extraction for Metabolomics: Access to The Metabolome. <i>Phytochemical Analysis</i> , 2014, 25, 291-306.	1.2	133
68	Biosynthesis of anthraquinones in cell cultures of the Rubiaceae. <i>Plant Cell, Tissue and Organ Culture</i> , 2001, 67, 201-220.	1.2	131
69	Metabolic classification of South American <i>Ilex</i> species by NMR-based metabolomics. <i>Phytochemistry</i> , 2010, 71, 773-784.	1.4	130
70	Evaluation of in-vivo wound healing activity of <i>Hypericum patulum</i> (Family: Hypericaceae) leaf extract on different wound model in rats. <i>Journal of Ethnopharmacology</i> , 2000, 70, 315-321.	2.0	127
71	Metabolomics for bioactivity assessment of natural products. <i>Phytotherapy Research</i> , 2011, 25, 157-169.	2.8	127
72	NMR assignments of the major cannabinoids and cannabinovonoids isolated from flowers of <i>Cannabis sativa</i> . <i>Phytochemical Analysis</i> , 2004, 15, 345-354.	1.2	124

#	ARTICLE	IF	CITATIONS
73	Major achievements of evidence-based traditional Chinese medicine in treating major diseases. <i>Biochemical Pharmacology</i> , 2017, 139, 94-104.	2.0	123
74	Effect of intrapulmonary tetrahydrocannabinol administration in humans. <i>Journal of Psychopharmacology</i> , 2008, 22, 707-716.	2.0	119
75	Metabolic Fingerprinting of Ephedra Species Using 1H-NMR Spectroscopy and Principal Component Analysis. <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 105-109.	0.6	117
76	Identification of phenylpropanoids in methyl jasmonate treated <i>Brassica rapa</i> leaves using two-dimensional nuclear magnetic resonance spectroscopy. <i>Journal of Chromatography A</i> , 2006, 1112, 148-155.	1.8	117
77	VANILLA PRODUCTION: TECHNOLOGICAL, CHEMICAL, AND BIOSYNTHETIC ASPECTS. <i>Food Reviews International</i> , 2001, 17, 119-120.	4.3	114
78	Chromatographic and Spectroscopic Data of Cannabinoids from <i>Cannabis sativa</i> L.. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 2361-2382.	0.5	114
79	Manipulating indole alkaloid production by <i>Catharanthus roseus</i> cell cultures in bioreactors: from biochemical processing to metabolic engineering. <i>Phytochemistry Reviews</i> , 2007, 6, 435-457.	3.1	111
80	Development of a validated HPLC method for the determination of B-complex vitamins in pharmaceuticals and biological fluids after solid phase extraction. <i>Journal of Separation Science</i> , 2004, 27, 1181-1188.	1.3	109
81	Evaluation of the Cyclooxygenase Inhibiting Effects of Six Major Cannabinoids Isolated from <i>Cannabis sativa</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 774-778.	0.6	109
82	Application of natural deep eutectic solvents for the "green" extraction of vanillin from vanilla pods. <i>Flavour and Fragrance Journal</i> , 2018, 33, 91-96.	1.2	109
83	Metabolic response of tomato leaves upon different plant-pathogen interactions. <i>Phytochemical Analysis</i> , 2010, 21, 89-94.	1.2	108
84	Uptake and accumulation of ajmalicine into isolated vacuoles of cultured cells of <i>Catharanthus roseus</i> (L.) G. Don. and its conversion into serpentine. <i>Planta</i> , 1991, 183, 170-177.	1.6	107
85	Healthy and unhealthy plants: The effect of stress on the metabolism of Brassicaceae. <i>Environmental and Experimental Botany</i> , 2009, 67, 23-33.	2.0	107
86	Overexpression of ORCA3 and G10H in <i>Catharanthus roseus</i> Plants Regulated Alkaloid Biosynthesis and Metabolism Revealed by NMR-Metabolomics. <i>PLoS ONE</i> , 2012, 7, e43038.	1.1	107
87	Influence of Precursor Availability on Alkaloid Accumulation by Transgenic Cell Line of <i>Catharanthus roseus</i> 1. <i>Plant Physiology</i> , 1998, 116, 853-857.	2.3	106
88	Metabolomic analysis of methyl jasmonate treated <i>Brassica rapa</i> leaves by 2-dimensional NMR spectroscopy. <i>Phytochemistry</i> , 2006, 67, 2503-2511.	1.4	105
89	An overview of NMR-based metabolomics to identify secondary plant compounds involved in host plant resistance. <i>Phytochemistry Reviews</i> , 2011, 10, 205-216.	3.1	105
90	<i>Artemisia annua</i> as a self-reliant treatment for malaria in developing countries. <i>Journal of Ethnopharmacology</i> , 2008, 120, 302-314.	2.0	102

#	ARTICLE	IF	CITATIONS
91	Classification of flexSpecies Based on Metabolomic Fingerprinting Using Nuclear Magnetic Resonance and Multivariate Data Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1237-1245.	2.4	101
92	<i>Artemisia afra</i> : A potential flagship for African medicinal plants?. <i>South African Journal of Botany</i> , 2009, 75, 185-195.	1.2	101
93	Metabolomic analysis of host plant resistance to thrips in wild and cultivated tomatoes. <i>Phytochemical Analysis</i> , 2010, 21, 110-117.	1.2	99
94	Production of essential oils and flavours in plant cell and tissue cultures. A review. <i>Plant Cell, Tissue and Organ Culture</i> , 1988, 13, 85-154.	1.2	98
95	Antimicrobially Active Alkaloids from <i>Tabernaemontana chippii</i> . <i>Journal of Natural Products</i> , 1985, 48, 400-423.	1.5	97
96	Methods for the analysis of cannabinoids in biological materials: a review. <i>Phytochemical Analysis</i> , 2004, 15, 79-94.	1.2	93
97	Recent methodology in the phytochemical analysis of ginseng. <i>Phytochemical Analysis</i> , 2008, 19, 2-16.	1.2	92
98	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. <i>Natural Product Reports</i> , 2019, 36, 35-107.	5.2	92
99	Isolation and characterization of a cDNA clone from <i>Catharanthus roseus</i> encoding NADPH:cytochrome P-450 reductase, an enzyme essential for reactions catalysed by cytochrome P-450 mono-oxygenases in plants. <i>Plant Journal</i> , 1993, 4, 47-60.	2.8	91
100	Anti-inflammatory, antipyretic and antinociceptive activities of <i>Tabernaemontana pandacaqui</i> Poir. <i>Journal of Ethnopharmacology</i> , 2003, 84, 31-35.	2.0	90
101	Monitoring biochemical changes during grape berry development in Portuguese cultivars by NMR spectroscopy. <i>Food Chemistry</i> , 2011, 124, 1760-1769.	4.2	90
102	Plant Polyketide Synthases: A fascinating group of enzymes. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 167-174.	2.8	89
103	Effect of precursor feeding on alkaloid accumulation by a tryptophan decarboxylase over-expressing transgenic cell line T22 of <i>Catharanthus roseus</i> . <i>Journal of Biotechnology</i> , 2002, 96, 193-203.	1.9	88
104	Comprehensive Extraction Method Integrated with NMR Metabolomics: A New Bioactivity Screening Method for Plants, Adenosine A1 Receptor Binding Compounds in <i>Orthosiphon stamineus</i> Benth. <i>Analytical Chemistry</i> , 2011, 83, 6902-6906.	3.2	88
105	Quantitative Analysis of Cannabinoids from <i>Cannabis sativa</i> Using ¹ H-NMR. <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 718-721.	0.6	87
106	Fungal infection-induced metabolites in <i>Brassica rapa</i> . <i>Plant Science</i> , 2009, 176, 608-615.	1.7	87
107	Subcellular localization of tryptophan decarboxylase, strictosidine synthase and strictosidine glucosidase in suspension cultured cells of <i>Catharanthus roseus</i> and <i>Tabernaemontana divaricata</i> . <i>Plant Cell Reports</i> , 1993, 12, 573-6.	2.8	84
108	Metabolic differentiations and classification of <i>Verbascum</i> species by NMR-based metabolomics. <i>Phytochemistry</i> , 2011, 72, 2045-2051.	1.4	84

#	ARTICLE	IF	CITATIONS
109	Metabolic Characterization of <i>Brassica rapa</i> Leaves by NMR Spectroscopy. Journal of Agricultural and Food Chemistry, 2007, 55, 7936-7943.	2.4	83
110	NMR Metabolic Fingerprinting Based Identification of Grapevine Metabolites Associated with Downy Mildew Resistance. Journal of Agricultural and Food Chemistry, 2009, 57, 9599-9606.	2.4	83
111	Overexpression of a tryptophan decarboxylase cDNA in <i>Catharanthus roseus</i> crown gall calluses results in increased tryptamine levels but not in increased terpenoid indole alkaloid production. Transgenic Research, 1995, 4, 315-323.	1.3	82
112	Metabolomic analysis of <i>Strychnos nux-vomica</i> , <i>Strychnos icaia</i> and <i>Strychnos ignatii</i> extracts by ¹ H nuclear magnetic resonance spectrometry and multivariate analysis techniques. Phytochemistry, 2004, 65, 1993-2001.	1.4	82
113	Metabolomic Differentiation of <i>Brassica rapa</i> Following Herbivory by Different Insect Instars using Two-Dimensional Nuclear Magnetic Resonance Spectroscopy. Journal of Chemical Ecology, 2006, 32, 2417-2428.	0.9	82
114	Glucosinolates and other metabolites in the leaves of <i>Arabidopsis thaliana</i> from natural populations and their effects on a generalist and a specialist herbivore. Chemoecology, 2008, 18, 65-71.	0.6	82
115	Metabolic characterization of Palatinate German white wines according to sensory attributes, varieties, and vintages using NMR spectroscopy and multivariate data analyses. Journal of Biomolecular NMR, 2011, 49, 255-266.	1.6	82
116	Isolation of cytochrome P-450 cDNA clones from the higher plant <i>Catharanthus roseus</i> by a PCR strategy. Plant Molecular Biology, 1993, 22, 379-383.	2.0	81
117	Biotransformation of tryptamine and secologanin into plant terpenoid indole alkaloids by transgenic yeast. Applied Microbiology and Biotechnology, 2001, 56, 420-424.	1.7	81
118	Metal ion-inducing metabolite accumulation in <i>Brassica rapa</i> . Journal of Plant Physiology, 2008, 165, 1429-1437.	1.6	81
119	Metabolic Profiling of the Mexican Anxiolytic and Sedative Plant <i>Galphimia glauca</i> Using Nuclear Magnetic Resonance Spectroscopy and Multivariate Data Analysis. Planta Medica, 2008, 74, 1295-1301.	0.7	81
120	Roles of chorismate mutase, isochorismate synthase and anthranilate synthase in plants. Phytochemistry, 1991, 30, 377-386.	1.4	80
121	Proteome analysis of the medicinal plant <i>Catharanthus roseus</i> . Planta, 2005, 221, 690-704.	1.6	79
122	Phenolic compounds in <i>Catharanthus roseus</i> . Phytochemistry Reviews, 2007, 6, 243-258.	3.1	79
123	Scaleup of ajmalicine production by plant cell cultures of <i>Catharanthus roseus</i> . Biotechnology and Bioengineering, 1993, 41, 253-262.	1.7	77
124	Cyclopeptide alkaloids. Natural Product Reports, 1997, 14, 75.	5.2	77
125	Phlorisovalerophenone synthase, a novel polyketide synthase from hop (<i>Humulus lupulus</i> L.) cones. FEBS Journal, 1999, 262, 612-616.	0.2	76
126	Metabolic differentiation of <i>Arabidopsis</i> treated with methyl jasmonate using nuclear magnetic resonance spectroscopy. Plant Science, 2006, 170, 1118-1124.	1.7	76

#	ARTICLE	IF	CITATIONS
127	Metabolomic response of <i>Brassica rapa</i> submitted to pre-harvest bacterial contamination. <i>Food Chemistry</i> , 2008, 107, 362-368.	4.2	76
128	Cannabis smoke condensate III: The cannabinoid content of vaporised <i>Cannabis sativa</i> . <i>Inhalation Toxicology</i> , 2009, 21, 1108-1112.	0.8	76
129	Antraquinones as phytoalexins in cell and tissue cultures of <i>Cinchona spec.</i> . <i>Plant Cell Reports</i> , 1985, 4, 241-244.	2.8	75
130	Application of Two-Dimensional Nuclear Magnetic Resonance Spectroscopy to Quality Control of Ginseng Commercial Products. <i>Planta Medica</i> , 2006, 72, 364-369.	0.7	75
131	Identification of natural epimeric flavanone glycosides by NMR spectroscopy. <i>Food Chemistry</i> , 2009, 116, 575-579.	4.2	75
132	¹ H NMR-based metabolomics combined with HPLC-PDA-MS-SPE-NMR for investigation of standardized <i>Ginkgo biloba</i> preparations. <i>Metabolomics</i> , 2010, 6, 292-302.	1.4	75
133	Shoot differentiation from protocorm callus cultures of <i>Vanilla planifolia</i> (Orchidaceae): proteomic and metabolic responses at early stage. <i>BMC Plant Biology</i> , 2010, 10, 82.	1.6	75
134	Proteomics in plant biotechnology and secondary metabolism research. <i>Phytochemical Analysis</i> , 2000, 11, 277-287.	1.2	74
135	Purification and characterization of anthranilate synthase from <i>Catharanthus roseus</i> . <i>FEBS Journal</i> , 1993, 212, 431-440.	0.2	73
136	Strategies for the genetic modification of the medicinal plant <i>Catharanthus roseus</i> (L.) G. Don. <i>Phytochemistry Reviews</i> , 2007, 6, 475-491.	3.1	72
137	Naturally Occurring Xanthenes; Latest Investigations: Isolation, Structure Elucidation and Chemosystematic Significance. <i>Current Medicinal Chemistry</i> , 2009, 16, 2581-2626.	1.2	72
138	Alkaloids of <i>Tabernaemontana eglandulosa</i> . <i>Tetrahedron</i> , 1984, 40, 737-748.	1.0	70
139	Preparative Isolation of Cannabinoids from <i>Cannabis sativa</i> by Centrifugal Partition Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 2421-2439.	0.5	70
140	Sequential solubilization of proteins precipitated with trichloroacetic acid in acetone from cultured <i>Catharanthus roseus</i> cells yields 52% more spots after two-dimensional electrophoresis. <i>Proteomics</i> , 2001, 1, 1345-1350.	1.3	69
141	Effects of processing adjuvants on traditional Chinese herbs. <i>Journal of Food and Drug Analysis</i> , 2018, 26, S96-S114.	0.9	69
142	Natural Deep Eutectic Solvent Extraction of Flavonoids of <i>Scutellaria baicalensis</i> as a Replacement for Conventional Organic Solvents. <i>Molecules</i> , 2020, 25, 617.	1.7	69
143	Metabolomic quality control of claimed anti-malarial <i>Artemisia afra</i> herbal remedy and <i>A. afra</i> and <i>A. annua</i> plant extracts. <i>South African Journal of Botany</i> , 2008, 74, 186-189.	1.2	68
144	PKS Activities and Biosynthesis of Cannabinoids and Flavonoids in <i>Cannabis sativa</i> L. <i>Plants. Plant and Cell Physiology</i> , 2008, 49, 1767-1782.	1.5	68

#	ARTICLE	IF	CITATIONS
145	Involvement of strictosidine as a defensive chemical in <i>Catharanthus roseus</i> . <i>Journal of Chemical Ecology</i> , 1996, 22, 1355-1366.	0.9	67
146	Secondary metabolism in tobacco. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 68, 105-125.	1.2	67
147	Anthraquinones in callus cultures of <i>Cinchona ledgeriana</i> . <i>Phytochemistry</i> , 1984, 23, 2307-2311.	1.4	64
148	Seleção de plantas com atividade anticolinesterase para tratamento da doença de Alzheimer. <i>Quimica Nova</i> , 2003, 26, 301-304.	0.3	64
149	Metabolic fingerprinting of Tomato Mosaic Virus infected <i>Solanum lycopersicum</i> . <i>Journal of Plant Physiology</i> , 2012, 169, 1586-1596.	1.6	64
150	Assay of strictosidine synthase from plant cell cultures by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1989, 176, 412-415.	1.1	63
151	Identification of UV-B light-responsive regions in the promoter of the tryptophan decarboxylase gene from <i>Catharanthus roseus</i> . <i>Plant Molecular Biology</i> , 1999, 41, 491-503.	2.0	63
152	Adenosine A ₁ Receptor Binding Activity of Methoxy Flavonoids from <i>Orthosiphon stamineus</i> . <i>Planta Medica</i> , 2009, 75, 132-136.	0.7	63
153	Looking to nature for a new concept in antimicrobial treatments: isoflavonoids from <i>Cytisus striatus</i> as antibiotic adjuvants against MRSA. <i>Scientific Reports</i> , 2017, 7, 3777.	1.6	63
154	Activities of enzymes involved in the phenylpropanoid pathway in constitutively salicylic acid-producing tobacco plants. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 755-760.	2.8	62
155	Metabolomic investigation of the ethnopharmacological use of <i>Artemisia afra</i> with NMR spectroscopy and multivariate data analysis. <i>Journal of Ethnopharmacology</i> , 2010, 128, 230-235.	2.0	62
156	An eco-metabolomic study of host plant resistance to Western flower thrips in cultivated, biofortified and wild carrots. <i>Phytochemistry</i> , 2013, 93, 63-70.	1.4	62
157	Extreme differences in pyrrolizidine alkaloid levels between leaves of <i>Cynoglossum officinale</i> . <i>Phytochemistry</i> , 1994, 37, 1013-1016.	1.4	61
158	The Ethnopharmacologic Contribution to Bioprospecting Natural Products. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 509-530.	4.2	61
159	Regulation and enzymology of pentacyclic triterpenoid phytoalexin biosynthesis in cell suspension cultures of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1989, 28, 2981-2988.	1.4	59
160	Vanilla curing under laboratory conditions. <i>Food Chemistry</i> , 2002, 79, 165-171.	4.2	59
161	Elicitation studies in cell suspension cultures of <i>Cannabis sativa</i> L.. <i>Journal of Biotechnology</i> , 2009, 143, 157-168.	1.9	59
162	Broad range chemical profiling of natural deep eutectic solvent extracts using a high performance thin layer chromatography-based method. <i>Journal of Chromatography A</i> , 2018, 1532, 198-207.	1.8	59

#	ARTICLE	IF	CITATIONS
163	Isolation of a bronchodilator flavonoid from the Thai medicinal plant <i>Clerodendrum petasites</i> . <i>Journal of Ethnopharmacology</i> , 2001, 78, 45-49.	2.0	58
164	Biosynthesis of anthraquinones in cell cultures of <i>Cinchona</i> "Robusta"™ proceeds via the methylerythritol 4-phosphate pathway. <i>Phytochemistry</i> , 2002, 59, 45-55.	1.4	57
165	Quantitative Analysis of Bilobalide and Ginkgolides from <i>Ginkgo biloba</i> Leaves and <i>Ginkgo</i> Products Using ¹ H-NMR. <i>Chemical and Pharmaceutical Bulletin</i> , 2003, 51, 158-161.	0.6	57
166	Metabolomics: What You See is What You Extract. <i>Phytochemical Analysis</i> , 2014, 25, 289-290.	1.2	57
167	Traditional Mediterranean and European herbal medicines. <i>Journal of Ethnopharmacology</i> , 2017, 199, 161-167.	2.0	57
168	Effects of oxygen and nutrients limitation on ajmalicine production and related enzyme activities in high density cultures of <i>Catharanthus roseus</i> . <i>Biotechnology and Bioengineering</i> , 1994, 44, 461-468.	1.7	56
169	Effects of elicitation on different metabolic pathways in <i>Catharanthus roseus</i> (L.) G. Don cell suspension cultures. <i>Enzyme and Microbial Technology</i> , 1996, 18, 99-107.	1.6	56
170	4-hydroxy-2-pyrone formation by chalcone and stilbene synthase with nonphysiological substrates. <i>Phytochemistry</i> , 1998, 49, 1945-1951.	1.4	55
171	Role of vacuolar transporter proteins in plant secondary metabolism: <i>Catharanthus roseus</i> cell culture. <i>Phytochemistry Reviews</i> , 2007, 6, 383-396.	3.1	55
172	Biosynthesis of salicylic acid in fungus elicited <i>Catharanthus roseus</i> cells. <i>Phytochemistry</i> , 2009, 70, 532-539.	1.4	55
173	Purification and cDNA Cloning of Isochorismate Synthase from Elicited Cell Cultures of <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 1999, 119, 705-712.	2.3	54
174	Identification of glucosides in green beans of <i>Vanilla planifolia</i> Andrews and kinetics of vanilla β-glucosidase. <i>Food Chemistry</i> , 2004, 85, 199-205.	4.2	54
175	Comparing metabolomes: the chemical consequences of hybridization in plants. <i>New Phytologist</i> , 2005, 167, 613-622.	3.5	54
176	Comprehensive analysis of commercial willow bark extracts by new technology platform: Combined use of metabolomics, high-performance liquid chromatography "solid-phase extraction" nuclear magnetic resonance spectroscopy and high-resolution radical scavenging assay. <i>Journal of Chromatography A</i> , 2012, 1262, 130-137.	1.8	54
177	Harpagoside: from Kalahari Desert to pharmacy shelf. <i>Phytochemistry</i> , 2013, 92, 8-15.	1.4	54
178	Chapter 3 Biosynthesis of Terpenoid Indole Alkaloids in <i>Catharanthus roseus</i> Cells. <i>Alkaloids: Chemistry and Pharmacology</i> , 1997, 49, 221-299.	0.2	53
179	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 69, 85-93.	1.2	53
180	Isolation of the Acetylcholinesterase Inhibitor Ungeremine from <i>Nerine bowdenii</i> by Preparative HPLC Coupled On-Line to a Flow Assay System. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 1804-1809.	0.6	53

#	ARTICLE	IF	CITATIONS
181	Metabolomics: A Tool for Anticancer Lead-Finding from Natural Products. <i>Planta Medica</i> , 2010, 76, 1094-1102.	0.7	53
182	Antimicrobially active alkaloids from <i>Tabernaemontana pachysiphon</i> . <i>Phytochemistry</i> , 1984, 23, 1771-1778.	1.4	52
183	High-performance liquid chromatographic determination of indole alkaloids in a suspension culture of <i>Tabernaemontana divaricata</i> . <i>Journal of Chromatography A</i> , 1987, 396, 287-295.	1.8	52
184	The Application of HPLC with On-Line Coupled UV/MS ² Biochemical Detection for Isolation of an Acetylcholinesterase Inhibitor from <i>Narcissus</i> "Sir Winston Churchill". <i>Journal of Natural Products</i> , 2000, 63, 803-806.	1.5	52
185	Determining acetylcholinesterase inhibitory activity in plant extracts using a fluorimetric flow assay. <i>Phytochemical Analysis</i> , 2003, 14, 145-149.	1.2	51
186	Alterations in grapevine leaf metabolism upon inoculation with <i>Plasmopara viticola</i> in different time-points. <i>Plant Science</i> , 2012, 191-192, 100-107.	1.7	51
187	Developmental Effects of Cannabinoids on Zebrafish Larvae. <i>Zebrafish</i> , 2013, 10, 283-293.	0.5	51
188	High-speed liquid chromatography of alkaloids. I. <i>Journal of Chromatography A</i> , 1974, 100, 227-230.	1.8	50
189	Induction of ajmalicine formation and related enzyme activities in <i>Catharanthus roseus</i> cells: effect of inoculum density. <i>Applied Microbiology and Biotechnology</i> , 1993, 39, 42-47.	1.7	50
190	Suspension cultured transgenic cells of <i>Nicotiana tabacum</i> expressing tryptophan decarboxylase and strictosidine synthase cDNAs from <i>Catharanthus roseus</i> produce strictosidine upon secologanin feeding. <i>Plant Cell Reports</i> , 1997, 17, 50-54.	2.8	50
191	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 68, 265-270.	1.2	50
192	Cannabis tea revisited: A systematic evaluation of the cannabinoid composition of cannabis tea. <i>Journal of Ethnopharmacology</i> , 2007, 113, 85-90.	2.0	50
193	Metabolomic alterations in elicitor treated <i>Silybum marianum</i> suspension cultures monitored by nuclear magnetic resonance spectroscopy. <i>Journal of Biotechnology</i> , 2007, 130, 133-142.	1.9	50
194	A qualitative and quantitative HPTLC densitometry method for the analysis of cannabinoids in <i>Cannabis sativa</i> L. <i>Phytochemical Analysis</i> , 2009, 20, 421-426.	1.2	50
195	In-vitro prenylation of aromatic intermediates in the biosynthesis of bitter acids in <i>humulus lupulus</i> . <i>Phytochemistry</i> , 1998, 49, 2315-2322.	1.4	49
196	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2003, 74, 73-80.	1.2	49
197	Liquid chromatography-diode array detection-electrospray ionisation mass spectrometry/nuclear magnetic resonance analyses of the anti-hyperglycemic flavonoid extract of <i>Genista tenera</i> . <i>Journal of Chromatography A</i> , 2005, 1089, 59-64.	1.8	49
198	Medicinal plants of surinam IV. Antimicrobial activity of some medicinal plants. <i>Journal of Ethnopharmacology</i> , 1987, 21, 315-318.	2.0	48

#	ARTICLE	IF	CITATIONS
199	Purification of the cytochrome P-450 enzyme geraniol 10-hydroxylase from cell cultures of <i>Catharanthus roseus</i> . <i>Journal of Chromatography A</i> , 1993, 635, 237-249.	1.8	48
200	Expression of two consecutive genes of a secondary metabolic pathway in transgenic tobacco: molecular diversity influences levels of expression and product accumulation. <i>Plant Molecular Biology</i> , 1998, 38, 765-774.	2.0	48
201	Robustaquinones, novel anthraquinones from an elicited <i>Cinchona robusta</i> suspension culture. <i>Phytochemistry</i> , 1999, 51, 55-60.	1.4	48
202	Alkaloid accumulation in <i>Catharanthus roseus</i> cell suspension cultures fed with stemmadenine. <i>Biotechnology Letters</i> , 2004, 26, 793-798.	1.1	48
203	Application of two-dimensional J-resolved nuclear magnetic resonance spectroscopy to differentiation of beer. <i>Analytica Chimica Acta</i> , 2006, 559, 264-270.	2.6	48
204	Assay of tryptophan decarboxylase from <i>Catharanthus roseus</i> plant cell cultures by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1987, 165, 133-136.	1.1	47
205	Elicitor-mediated induction of isochorismate synthase and accumulation of 2,3-dihydroxy benzoic acid in <i>Catharanthus roseus</i> cell suspension and shoot cultures. <i>Plant Cell Reports</i> , 1994, 14-14, 188-191.	2.8	47
206	Purification and characterisation of strictosidine β -D-glucosidase from <i>Catharanthus roseus</i> cell suspension cultures. <i>Plant Physiology and Biochemistry</i> , 1998, 36, 419-425.	2.8	47
207	Quantitative Analysis of Strychnine and Brucine in <i>Strychnos nux-vomica</i> using $^1\text{H-NMR}$. <i>Planta Medica</i> , 2003, 69, 1169-1171.	0.7	47
208	Seasonal accumulation of major alkaloids in organs of pharmaceutical crop <i>Narcissus Carlton</i> . <i>Phytochemistry</i> , 2013, 88, 43-53.	1.4	47
209	Screening of antimicrobial activity of some plants belonging to the Apocynaceae and Loganiaceae. <i>Journal of Ethnopharmacology</i> , 1983, 8, 287-302.	2.0	46
210	Growth, metabolic profiling and enzymes activities of <i>Catharanthus roseus</i> seedlings treated with plant growth regulators. <i>Plant Growth Regulation</i> , 2004, 44, 53-58.	1.8	46
211	Search for Factors Related to the Indole Alkaloid Production in Cell Suspension Cultures of <i>Tabernaemontana divaricata</i> . <i>Planta Medica</i> , 1992, 58, 245-249.	0.7	45
212	Analysis of metabolic variation and galanthamine content in <i>Narcissus</i> bulbs by $^1\text{H-NMR}$. <i>Phytochemical Analysis</i> , 2010, 21, 66-72.	1.2	45
213	Decarboxylation of ^9C -tetrahydrocannabinol: Kinetics and molecular modeling. <i>Journal of Molecular Structure</i> , 2011, 987, 67-73.	1.8	45
214	Anti-infectious phytotherapies of the tree-savannah of senegal (West-Africa) II. Antimicrobial activity of 33 species. <i>Journal of Ethnopharmacology</i> , 1988, 22, 25-31.	2.0	44
215	Dissimilation curves as a simple method for the characterization of growth of plant cell suspension cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 1990, 22, 55-64.	1.2	44
216	Formation of aromatic intermediates in the biosynthesis of bitter acids in <i>Humulus lupulus</i> . <i>Phytochemistry</i> , 1995, 38, 77-82.	1.4	44

#	ARTICLE	IF	CITATIONS
217	Elicitor-mediated induction of anthraquinone biosynthesis and regulation of isopentenyl diphosphate isomerase and farnesyl diphosphate synthase activities in cell suspension cultures of <i>Cinchona robusta</i> How.. <i>Planta</i> , 1997, 203, 155-161.	1.6	44
218	Salicylic acid biosynthesis. <i>New Comprehensive Biochemistry</i> , 1999, , 295-312.	0.1	44
219	Commentary: "A systems view on the future of medicine: Inspiration from Chinese medicine" <i>Journal of Ethnopharmacology</i> , 2009, 121, 479-481.	2.0	44
220	Metabolic Changes in Different Developmental Stages of <i>Vanilla planifolia</i> Pods. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 7651-7658.	2.4	44
221	Cannabinoid Receptor 1 Binding Activity and Quantitative Analysis of <i>Cannabis sativa</i> L. Smoke and Vapor. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 201-207.	0.6	44
222	Metabolomics for the rapid dereplication of bioactive compounds from natural sources. <i>Phytochemistry Reviews</i> , 2013, 12, 293-304.	3.1	44
223	Indole alkaloids from <i>Rauwolfia sellowii</i> . <i>Phytochemistry</i> , 1996, 41, 969-973.	1.4	43
224	Salting-out gradients in centrifugal partition chromatography for the isolation of chlorogenic acids from green coffee beans. <i>Journal of Chromatography A</i> , 2009, 1216, 4245-4251.	1.8	43
225	Solvent derived artifacts in natural products chemistry. <i>Natural Product Communications</i> , 2009, 4, 447-54.	0.2	43
226	Capillary Gas Chromatographic Analysis of Indole Alkaloids: Investigation of the Indole Alkaloids Present in <i>Tabernaemontana divaricata</i> Cell Suspension Culture. <i>Journal of Natural Products</i> , 1991, 54, 1558-1563.	1.5	42
227	Induction of geranylgeranyl diphosphate synthase activity and taxane accumulation in <i>Taxus baccata</i> cell cultures after elicitation by methyl jasmonate. <i>Plant Science</i> , 1999, 147, 1-8.	1.7	42
228	Structure elucidation of the tetrahydrocannabinol complex with randomly methylated β -cyclodextrin. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 29, 340-347.	1.9	42
229	Some New Vallesamine-Type Alkaloids. <i>Journal of Natural Products</i> , 1987, 50, 714-720.	1.5	41
230	Bioactive constituents of <i>Leptadenia arborea</i> . <i>FITOTERAPIA</i> , 2003, 74, 184-187.	1.1	41
231	Alkaloids of <i>Strychnos johnsonii</i> . <i>Phytochemistry</i> , 1987, 26, 2839-2846.	1.4	40
232	Induced responses in three alkaloid-containing plant species. <i>Oecologia</i> , 1993, 95, 425-430.	0.9	40
233	Determination of paclitaxel and related diterpenoids in plant extracts by high-performance liquid chromatography with UV detection in high-performance liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1998, 802, 297-305.	1.8	40
234	Luteolin, a Compound with Adenosine A1 Receptor-Binding Activity, and Chromone and Dihydronaphthalenone Constituents from <i>Sennasiamea</i> . <i>Journal of Natural Products</i> , 2000, 63, 315-317.	1.5	40

#	ARTICLE	IF	CITATIONS
235	Quantitative analysis of ginkgolic acids from Ginkgo leaves and products using ¹ H-NMR. <i>Phytochemical Analysis</i> , 2004, 15, 325-330.	1.2	40
236	Olivetol as product of a polyketide synthase in <i>Cannabis sativa</i> L. <i>Plant Science</i> , 2004, 166, 381-385.	1.7	40
237	Methyljasmonate accelerates catabolism of monoterpene indole alkaloids in <i>Catharanthus roseus</i> during leaf processing. <i>Phytochemistry</i> , 2005, 76, 83-90.	1.1	40
238	Chorismate derived C ₆ C ₁ compounds in plants. <i>Planta</i> , 2005, 222, 1-5.	1.6	40
239	Influence of various media constituents on the growth of <i>Cinchona ledgeriana</i> tissue cultures and the production of alkaloids and anthraquinones therein. <i>Plant Cell, Tissue and Organ Culture</i> , 1985, 4, 199-214.	1.2	39
240	Distribution of ginkgolides and terpenoid biosynthetic activity in <i>Ginkgo biloba</i> . <i>Phytochemistry</i> , 1998, 48, 89-92.	1.4	39
241	Tracheospasmodic Activity of Viteosin-A and Vitexicarpin Isolated from <i>Vitex trifolia</i> . <i>Planta Medica</i> , 2002, 68, 1047-1049.	0.7	39
242	Quantitative Analysis of Ephedrine Analogues from <i>Ephedra</i> Species Using ¹ H-NMR. <i>Chemical and Pharmaceutical Bulletin</i> , 2003, 51, 1382-1385.	0.6	39
243	Traditional Processing Strongly Affects Metabolite Composition by Hydrolysis in <i>Rehmannia glutinosa</i> Roots. <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 546-552.	0.6	39
244	Effects of alkaloid precursor feeding on a <i>Camptotheca acuminata</i> cell line. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 749-753.	2.8	38
245	Cannabis Smoke Condensate II: Influence of Tobacco on Tetrahydrocannabinol Levels. <i>Inhalation Toxicology</i> , 2009, 21, 87-90.	0.8	38
246	Cytotoxic sesquiterpene lactones from the leaves of <i>Vernonia guineensis</i> Benth. (Asteraceae). <i>Journal of Ethnopharmacology</i> , 2013, 146, 552-556.	2.0	38
247	Purification and characterization of strictosidine synthase from a suspension culture of <i>Cinchona robusta</i> . <i>Phytochemistry</i> , 1993, 33, 99-106.	1.4	37
248	Influence of temperature on growth and ajmalicine production by <i>Catharanthus roseus</i> suspension cultures. <i>Enzyme and Microbial Technology</i> , 2002, 30, 56-65.	1.6	37
249	The Content of Artemisinin in the <i>Artemisia annua</i> Tea Infusion. <i>Planta Medica</i> , 2011, 77, 1754-1756.	0.7	37
250	Phytochemicals as a potential source for TNF- α inhibitors. <i>Phytochemistry Reviews</i> , 2013, 12, 65-93.	3.1	37
251	Quantitative Analysis of Amygdalin and Prunasin in <i>Prunus serotina</i> Ehrh. using ¹ H-NMR Spectroscopy. <i>Phytochemical Analysis</i> , 2014, 25, 122-126.	1.2	37
252	Vanilla flavor production methods: A review. <i>Industrial Crops and Products</i> , 2018, 125, 433-442.	2.5	37

#	ARTICLE	IF	CITATIONS
253	Natural Deep Eutectic Solvents as Multifunctional Media for the Valorization of Agricultural Wastes. <i>ChemSusChem</i> , 2019, 12, 1310-1315.	3.6	37
254	Comparative proteomics of <i>Cannabis sativa</i> plant tissues. <i>Journal of Biomolecular Techniques</i> , 2004, 15, 97-106.	0.8	37
255	Ajmalicine production by cell cultures of <i>Catharanthus roseus</i> : from shake flask to bioreactor. <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 38, 85-91.	1.2	36
256	Perturbation of polyamine catabolism affects grape ripening of <i>Vitis vinifera</i> cv. Trincadeira. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 141-155.	2.8	36
257	Developmental Regulation of Alkaloid Production in <i>Cinchona</i> Seedlings. <i>Journal of Plant Physiology</i> , 1990, 136, 86-91.	1.6	35
258	Stability of alkaloid production in cell suspension cultures of <i>Tabernaemontana divaricata</i> during long-term subculture. <i>Plant Cell, Tissue and Organ Culture</i> , 1992, 28, 59-68.	1.2	35
259	Purification and Characterization of Mevalonate Kinase from Suspension-Cultured Cells of <i>Catharanthus roseus</i> (L.) G. Don. <i>Archives of Biochemistry and Biophysics</i> , 2000, 378, 287-298.	1.4	34
260	Metabolic changes of salicylic acid-elicited <i>Catharanthus roseus</i> cell suspension cultures monitored by NMR-based metabolomics. <i>Biotechnology Letters</i> , 2009, 31, 1967-1974.	1.1	34
261	Comparative quantitative analysis of artemisinin by chromatography and qNMR. <i>Phytochemical Analysis</i> , 2010, 21, 451-456.	1.2	34
262	Plant bioassay to assess the effects of allelochemicals on the metabolome of the target species <i>Aegilops geniculata</i> by an NMR-based approach. <i>Phytochemistry</i> , 2013, 93, 27-40.	1.4	34
263	A simple and rapid HPLC-DAD method for simultaneously monitoring the accumulation of alkaloids and precursors in different parts and different developmental stages of <i>Catharanthus roseus</i> plants. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1014, 10-16.	1.2	34
264	Anthraquinones in callus cultures of <i>Cinchona pubescens</i> . <i>Phytochemistry</i> , 1986, 25, 1123-1126.	1.4	33
265	Assay of isochorismate synthase from plant cell cultures by high-performance liquid chromatography. <i>Phytochemistry</i> , 1991, 30, 2873-2876.	1.4	33
266	Ajmalicine metabolism in <i>Catharanthus roseus</i> cell cultures. <i>Phytochemistry</i> , 1994, 35, 677-681.	1.4	33
267	Liquid chromatography coupled with mass spectrometry in the analysis of alkaloids. <i>Phytochemical Analysis</i> , 1994, 5, 217-232.	1.2	33
268	Purification and Characterization of two Isoforms of Isopentenyl-Diphosphate Isomerase from Elicitor-Treated <i>Cinchona Robusta</i> Cells. <i>FEBS Journal</i> , 1997, 249, 161-170.	0.2	33
269	?-Glucosidase and peroxidase stability in crude enzyme extracts from green beans of <i>Vanilla planifolia</i> Andrews. <i>Phytochemical Analysis</i> , 2001, 12, 174-179.	1.2	33
270	Cloning and over-expression of a cDNA encoding a polyketide synthase from <i>Cannabis sativa</i> . <i>Plant Physiology and Biochemistry</i> , 2004, 42, 291-297.	2.8	33

#	ARTICLE	IF	CITATIONS
271	Differential tissue distribution of metabolites in <i>Jacobaea vulgaris</i> , <i>Jacobaea aquatica</i> and their crosses. <i>Phytochemistry</i> , 2012, 78, 89-97.	1.4	33
272	Plants mentioned in the Islamic Scriptures (Holy Qur'Ān and Ahadith): Traditional uses and medicinal importance in contemporary times. <i>Journal of Ethnopharmacology</i> , 2019, 243, 112007.	2.0	33
273	An improved NMR method for the quantification of γ -Acids in hops and hop products. <i>Phytochemical Analysis</i> , 2001, 12, 53-57.	1.2	32
274	Screening of selected Asian spices for anti obesity-related bioactivities. <i>Food Chemistry</i> , 2011, 126, 1724-1729.	4.2	32
275	Jasmonic Acid Effect on the Fatty Acid and Terpenoid Indole Alkaloid Accumulation in Cell Suspension Cultures of <i>Catharanthus roseus</i> . <i>Molecules</i> , 2014, 19, 10242-10260.	1.7	32
276	Metabolomic tool to identify antioxidant compounds of <i>Fraxinus angustifolia</i> leaf and stem bark extracts. <i>Industrial Crops and Products</i> , 2016, 88, 65-77.	2.5	32
277	Solubility and Stability of Some Pharmaceuticals in Natural Deep Eutectic Solvents-Based Formulations. <i>Molecules</i> , 2021, 26, 2645.	1.7	32
278	Incorporation of an invasive plant into a native insect herbivore food web. <i>PeerJ</i> , 2016, 4, e1954.	0.9	32
279	Aromatic chemical shifts in α -hydroxy- and -methoxy-substituted indole alkaloids; reference data and substituent-induced chemical shifts for ten different chromophoric groups. <i>Magnetic Resonance in Chemistry</i> , 1984, 22, 328-335.	0.7	31
280	Indole alkaloids from a callus culture of <i>Tabernaemontana elegans</i> . <i>Phytochemistry</i> , 1986, 25, 843-846.	1.4	31
281	Genetic Modification of Plant Secondary Metabolite Pathways Using Transcriptional Regulators. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2001, 72, 103-125.	0.6	31
282	Production of pulchelin E in hairy roots, callus and suspension cultures of <i>Rudbeckia hirta</i> L.. <i>Plant Science</i> , 2002, 163, 91-100.	1.7	31
283	Cyclopeptide alkaloids. <i>Phytochemistry Reviews</i> , 2007, 6, 143-165.	3.1	31
284	Comprehensive review on herbal medicine for energy intake suppression. <i>Obesity Reviews</i> , 2011, 12, 499-514.	3.1	31
285	The African <i>strychnos</i> species and their alkaloids: A review. <i>Journal of Ethnopharmacology</i> , 1983, 9, 167-223.	2.0	30
286	Effect of auxin on cytodifferentiation and production of quinoline alkaloids in compact globular structures of <i>Cinchona ledgeriana</i> . <i>Plant Cell Reports</i> , 1990, 8, 571-574.	2.8	30
287	Isochorismate synthase isoforms from elicited cell cultures of <i>Rubia tinctorum</i> . <i>Phytochemistry</i> , 1999, 51, 263-269.	1.4	30
288	Isochorismate is an intermediate in 2,3-dihydroxybenzoic acid biosynthesis in <i>Catharanthus roseus</i> cell cultures. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 231-234.	2.8	30

#	ARTICLE	IF	CITATIONS
289	Comparison of extraction methods for secologanin and the quantitative analysis of secologanin from <i>Symphoricarpos albus</i> using ¹ H-NMR. <i>Phytochemical Analysis</i> , 2004, 15, 257-261.	1.2	30
290	Induction, characterization, and NMR-based metabolic profiling of adventitious root cultures from leaf explants of <i>Gynura procumbens</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 109, 465-475.	1.2	30
291	Alkaloids of <i>Uncaria attenuata</i> from Thailand. <i>Phytochemistry</i> , 1980, 19, 2013-2016.	1.4	29
292	Tertiary Indole Alkaloids from Fruits of <i>Tabernaemontana dichotoma</i> . <i>Planta Medica</i> , 1984, 50, 251-253.	0.7	29
293	Control and biological implications of alkaloid synthesis in <i>Cinchona</i> seedlings. <i>Phytochemistry</i> , 1991, 30, 3571-3577.	1.4	29
294	Preparative separation of bitter acids from hop extracts by centrifugal partition chromatography. <i>Journal of Chromatography A</i> , 1997, 771, 71-79.	1.8	29
295	Galanthindole: A New Indole Alkaloid from <i>Galanthus plicatus</i> ssp. <i>byzantinus</i> . <i>Planta Medica</i> , 2003, 69, 869-871.	0.7	29
296	Glucosinolate profiling of <i>Brassica rapa</i> cultivars after infection by <i>Leptosphaeria maculans</i> and <i>Fusarium oxysporum</i> . <i>Biochemical Systematics and Ecology</i> , 2010, 38, 612-620.	0.6	29
297	Toxicity, antimicrobial and anthelmintic activities of <i>Vernonia guineensis</i> Benth. (Asteraceae) crude extracts. <i>Journal of Ethnopharmacology</i> , 2012, 144, 700-704.	2.0	29
298	Analysis of metabolites in the terpenoid pathway of <i>Catharanthus roseus</i> cell suspensions. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 225-239.	1.2	29
299	Natural deep eutectic characteristics of honey improve the bioactivity and safety of traditional medicines. <i>Journal of Ethnopharmacology</i> , 2020, 250, 112460.	2.0	29
300	High-performance liquid chromatography of some tropane alkaloids. <i>Journal of Chromatography A</i> , 1976, 120, 203-205.	1.8	28
301	Carbon-13 n.m.r. spectroscopy of some <i>Strychnos</i> alkaloids. <i>Magnetic Resonance in Chemistry</i> , 1977, 9, 567-571.	0.7	28
302	Induction of triterpene biosynthesis by elicitors in suspension cultures of <i>Tabernaemontana</i> species. <i>Plant Cell Reports</i> , 1988, 7, 51-54.	2.8	28
303	Comparative study of the essential oils from hops of various <i>Humulus lupulus</i> L. Cultivars. <i>Flavour and Fragrance Journal</i> , 1989, 4, 187-191.	1.2	28
304	Detrimental effects of <i>Cinchona</i> leaf alkaloids on larvae of the polyphagous insect <i>Spodoptera exigua</i> . <i>Journal of Chemical Ecology</i> , 1992, 18, 1955-1964.	0.9	28
305	Effect of benzothiadiazole on the metabolome of <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2009, 47, 146-152.	2.8	28
306	Activation of Antioxidant Response Element in Mouse Primary Cortical Cultures with Sesquiterpene Lactones Isolated from <i>Tanacetum parthenium</i> . <i>Planta Medica</i> , 2012, 78, 1725-1730.	0.7	28

#	ARTICLE	IF	CITATIONS
307	Good Practices: The basis for evidence-based medicines. <i>Journal of Ethnopharmacology</i> , 2012, 140, 455-457.	2.0	28
308	Chemical interactions between plants in Mediterranean vegetation: The influence of selected plant extracts on <i>Aegilops geniculata</i> metabolome. <i>Phytochemistry</i> , 2014, 106, 69-85.	1.4	28
309	High-speed liquid chromatography of alkaloids. II. <i>Journal of Chromatography A</i> , 1974, 100, 231-232.	1.8	27
310	Thin-layer chromatographic separation of cinchona alkaloids. <i>Journal of Chromatography A</i> , 1980, 184, 79-96.	1.8	27
311	Alkaloids of stem and rootbark of <i>Tabernaemontana dichotoma</i> . <i>Phytochemistry</i> , 1985, 24, 2097-2104.	1.4	27
312	The distribution of strictosidine-synthase activity and alkaloids in <i>Cinchona</i> plants. <i>Planta</i> , 1991, 183, 536-541.	1.6	27
313	Plant cell biotechnology for the production of secondary metabolites. <i>Pure and Applied Chemistry</i> , 1994, 66, 2307-2310.	0.9	27
314	The inoculum size triggers tryptamine or secologanin biosynthesis in a <i>Catharanthus roseus</i> cell culture. <i>Plant Science</i> , 1998, 139, 205-211.	1.7	27
315	Activity of the cytochrome P450 enzyme geraniol 10-hydroxylase and alkaloid production in plant cell cultures. <i>Plant Science</i> , 2002, 162, 165-172.	1.7	27
316	Identification of Anti-Wood Rot Compounds in Teak (<i>Tectona grandis</i> L.f.) Sawdust Extract. <i>Journal of Wood Chemistry and Technology</i> , 2008, 28, 247-260.	0.9	27
317	Effect of Fertilizers on Galanthamine and Metabolite Profiles in <i>Narcissus</i> Bulbs by ¹ H NMR. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3155-3161.	2.4	27
318	Alkaloids from roots of <i>Strychnos matopensis</i> . <i>Phytochemistry</i> , 1988, 27, 3293-3304.	1.4	26
319	Complete proton and ¹³ C NMR spectral assignments of pentalongin. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, 329-330.	1.1	26
320	Anthranilate synthase and chorismate mutase activities in transgenic tobacco plants overexpressing tryptophan decarboxylase from <i>Catharanthus roseus</i> . <i>Transgenic Research</i> , 1994, 3, 43-49.	1.3	26
321	Analysis of Proposed Aromatic Precursors of Hop Bitter Acids. <i>Journal of Natural Products</i> , 1994, 57, 452-459.	1.5	26
322	The effects of phenobarbital and ketoconazole on the alkaloid biosynthesis in <i>Catharanthus roseus</i> cell suspension cultures. <i>Plant Physiology and Biochemistry</i> , 1999, 37, 139-144.	2.8	26
323	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 1999, 56, 111-119.	1.2	26
324	Activity of Quinones from Teak (<i>Tectona grandis</i>) on Fungal Cell Wall Stress. <i>Planta Medica</i> , 2006, 72, 943-944.	0.7	26

#	ARTICLE	IF	CITATIONS
325	NMR Metabolomic Analysis of Fecal Water from Subjects on a Vegetarian Diet. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1192-1198.	0.6	26
326	Metabolic changes in <i>Agrobacterium tumefaciens</i> -infected <i>Brassica rapa</i> . <i>Journal of Plant Physiology</i> , 2009, 166, 1005-1014.	1.6	26
327	Biological variation of <i>Vanilla planifolia</i> leaf metabolome. <i>Phytochemistry</i> , 2010, 71, 567-573.	1.4	26
328	A comparison on the metabolic profiling of the Mexican anxiolytic and sedative plant <i>Galphimia glauca</i> four years later. <i>Journal of Ethnopharmacology</i> , 2012, 141, 964-974.	2.0	26
329	Effect of Acute Stresses on Zebra Fish (<i>Danio rerio</i>) Metabolome Measured by NMR-Based Metabolomics. <i>Planta Medica</i> , 2014, 80, 1227-1233.	0.7	26
330	Fungal endophytes of <i>Vanilla planifolia</i> across Réunion Island: isolation, distribution and biotransformation. <i>BMC Plant Biology</i> , 2015, 15, 142.	1.6	26
331	Tryptophan decarboxylase from <i>Catharanthus roseus</i> is a pyridoxoquinoprotein. <i>FEBS Letters</i> , 1989, 255, 97-100.	1.3	25
332	Enzymes involved in the metabolism of 3-hydroxy-3-methylglutaryl-coenzyme A in <i>Catharanthus roseus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 38, 345-349.	1.2	25
333	Taxol Analysis by High Performance Liquid Chromatography: A Review. <i>Phytochemical Analysis</i> , 1996, 7, 169-184.	1.2	25
334	Interference of Linoleic Acid Fraction in Some Receptor Binding Assays. <i>Journal of Natural Products</i> , 1999, 62, 912-914.	1.5	25
335	Rapid Method for Determination of Galanthamine in Amaryllidaceae Plants Using HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 3217-3233.	0.5	25
336	Identification of bioactive metabolites against adenosine A1 receptor using NMR-based metabolomics. <i>Metabolomics</i> , 2013, 9, 778-785.	1.4	25
337	Zebrafish as a model for systems biology. <i>Biotechnology and Genetic Engineering Reviews</i> , 2013, 29, 187-205.	2.4	25
338	Biological activity and sensory evaluation of cocoa by-products NADES extracts used in food fortification. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 66, 102514.	2.7	25
339	Identification of <i>Tabernaemontana</i> alkaloids by means of thin-layer chromatography and chromogenic reactions. <i>Journal of Chromatography A</i> , 1984, 298, 289-307.	1.8	24
340	Chapter 1 Plant Biotechnology for the Production of Alkaloids: Present Status and Prospects. <i>Alkaloids: Chemistry and Pharmacology</i> , 1991, 40, 1-187.	0.2	24
341	Two-stage batch process for the production of ajmalicine by <i>Catharanthus roseus</i> : The link between growth and production stage. <i>Biotechnology and Bioengineering</i> , 1995, 47, 53-59.	1.7	24
342	Terpenoid indole alkaloid biosynthesis and enzyme activities in two cell lines of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1995, 39, 341-349.	1.4	24

#	ARTICLE	IF	CITATIONS
343	Purification and partial characterisation of geranylgeranyl diphosphate synthase, from <i>Taxus baccata</i> cell cultures. <i>Plant Science</i> , 2000, 153, 97-105.	1.7	24
344	Antioxidant lignan glucosides from <i>Strychnos vanprukii</i> . <i>FĀ-toterapĀ-Āç</i> , 2004, 75, 623-628.	1.1	24
345	Toxicity of Pyrrolizidine Alkaloids to <i>Spodoptera exigua</i> Using Insect Cell Lines and Injection Bioassays. <i>Journal of Chemical Ecology</i> , 2014, 40, 609-616.	0.9	24
346	Quality marker identification based on standard decoction of differently processed materials of <i>Ephedrae Herba</i> . <i>Journal of Ethnopharmacology</i> , 2019, 237, 47-54.	2.0	24
347	Historical and traditional medical applications of <i>Carlina acaulis</i> L. - A critical ethnopharmacological review. <i>Journal of Ethnopharmacology</i> , 2019, 239, 111842.	2.0	24
348	Alkaloids from <i>Pycnarrhena longifolia</i> . <i>Phytochemistry</i> , 1981, 20, 323-325.	1.4	23
349	Alkaloid metabolism in <i>Tabernaemontana divaricata</i> cell suspension cultures. <i>Phytochemistry</i> , 1993, 32, 325-329.	1.4	23
350	Ĥ-Carboline glucoalkaloids from <i>Strychnos meliodora</i> . <i>Phytochemistry</i> , 1999, 51, 1171-1176.	1.4	23
351	Isolation of acetylcholinesterase inhibitory alkaloids from <i>Nerine bowdenii</i> . <i>Natural Product Research</i> , 2010, 24, 222-225.	1.0	23
352	Pre-analytical method for NMR-based grape metabolic fingerprinting and chemometrics. <i>Analytica Chimica Acta</i> , 2011, 703, 179-186.	2.6	23
353	Exploring natural products-based cancer therapeutics derived from egyptian flora. <i>Journal of Ethnopharmacology</i> , 2021, 269, 113626.	2.0	23
354	Occurrence of longicaudatine, a new type of bis(indole) base and dinor-C-alkaloid H in <i>Strychnos</i> species. <i>Journal of Organic Chemistry</i> , 1983, 48, 1869-1872.	1.7	22
355	Tertiary Indole Alkaloids from Leaves of <i>Tabernaemontana dichotoma</i> . <i>Planta Medica</i> , 1983, 47, 148-150.	0.7	22
356	Butenolides in small ermine moths, <i>Yponomeuta</i> spp. (Lepidoptera: Yponomeutidae), and spindle-tree, <i>Euonymus europaeus</i> (Celastraceae). <i>Journal of Chemical Ecology</i> , 1988, 14, 1099-1111.	0.9	22
357	Hippocratic screening of ethanolic extracts from two <i>Tabernaemontana</i> species. <i>Journal of Ethnopharmacology</i> , 1989, 27, 99-106.	2.0	22
358	Allelopathic inhibition of seed germination by <i>Cinchona</i> alkaloids?. <i>Phytochemistry</i> , 1991, 30, 2947-2951.	1.4	22
359	Terpenoid indole alkaloid biotransformation capacity of suspension cultures of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1994, 35, 671-676.	1.4	22
360	Preparative separation and isolation of three Ĥ bitter acids from hop, <i>Humulus lupulus</i> L., by centrifugal partition chromatography. <i>Journal of Chromatography A</i> , 1994, 664, 45-53.	1.8	22

#	ARTICLE	IF	CITATIONS
361	Analysis of Several Iridoid and Indole Precursors of Terpenoid Indole Alkaloids with a Single HPLC Run. <i>Planta Medica</i> , 1996, 62, 278-280.	0.7	22
362	Conversion of deoxyhumulone into the hop \pm -acid humulone. <i>Phytochemistry</i> , 1997, 44, 1047-1053.	1.4	22
363	Neuropharmacological activities of the crude alkaloidal fraction from stems of <i>Tabernaemontana pandacaqui</i> Poir.. <i>Journal of Ethnopharmacology</i> , 1998, 62, 229-234.	2.0	22
364	Terpenoid indole alkaloid profile changes in <i>Catharanthus pusillus</i> during development. <i>Plant Science</i> , 2001, 160, 971-977.	1.7	22
365	Alkaloids and a pimarane diterpenoid from <i>Strychnos vanprukii</i> . <i>Phytochemistry</i> , 2003, 64, 897-901.	1.4	22
366	Metabolic Characterization of <i>Withania somnifera</i> from Different Regions of India Using NMR Spectroscopy. <i>Planta Medica</i> , 2011, 77, 1958-1964.	0.7	22
367	Metabolic Fingerprinting by ¹ HNMR for Discrimination of the Two Species Used as <i>Radix Bupleuri</i> . <i>Planta Medica</i> , 2012, 78, 926-933.	0.7	22
368	Tacamine, the first example of a new class of indole alkaloids. <i>Tetrahedron Letters</i> , 1982, 23, 4827-4830.	0.7	21
369	Comparison of terpenoid indole alkaloid production and degradation in two cell lines of <i>Tabernaemontana divaricata</i> . <i>Plant Cell Reports</i> , 1993, 13, 95-98.	2.8	21
370	Influence of auxins on alkaloid accumulation by a transgenic cell line of <i>Catharanthus roseus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1998, 53, 135-141.	1.2	21
371	Isopentenyl diphosphate isomerase and prenyltransferase activities in rubiaceous and apocynaceous cultures. <i>Phytochemistry</i> , 1998, 48, 961-969.	1.4	21
372	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 705-710.	1.1	21
373	Improved accumulation of ajmalicine and tetrahydroalstonine in <i>Catharanthus</i> cells expressing an ABC transporter. <i>Journal of Plant Physiology</i> , 2009, 166, 1405-1412.	1.6	21
374	NMR metabolomics for identification of adenosine A1 receptor binding compounds from <i>Boesenbergia rotunda</i> rhizomes extract. <i>Journal of Ethnopharmacology</i> , 2013, 150, 95-99.	2.0	21
375	Good practice in ethnopharmacology and other sciences relying on taxonomic nomenclature. <i>Journal of Ethnopharmacology</i> , 2014, 152, 385-386.	2.0	21
376	Metabolic alteration of <i>Catharanthus roseus</i> cell suspension cultures overexpressing geraniol synthase in the plastids or cytosol. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 134, 41-53.	1.2	21
377	Tertiary Indole Alkaloids of <i>Tabernaemontana dichotoma</i> Seeds. <i>Planta Medica</i> , 1983, 49, 28-31.	0.7	20
378	Pharmacognostical studies of <i>Tabernaemontana</i> species. <i>Journal of Chromatography A</i> , 1987, 396, 410-415.	1.8	20

#	ARTICLE	IF	CITATIONS
379	Alkaloid Production in Relation to Differentiation in Cell and Tissue Cultures of <i>Tabernaemontana pandacaqui</i> . <i>Planta Medica</i> , 1991, 57, 543-547.	0.7	20
380	Development and validation of a high-performance liquid chromatography system for the analysis of hop bitter acids. <i>Journal of Chromatography A</i> , 1994, 669, 65-73.	1.8	20
381	Application of SPE for the HPLC analysis of taxanes from <i>Taxus</i> cell cultures. <i>Chromatographia</i> , 1998, 47, 25-34.	0.7	20
382	Cannabis Smoke Condensate I: The Effect of Different Preparation Methods on Tetrahydrocannabinol Levels. <i>Inhalation Toxicology</i> , 2008, 20, 801-804.	0.8	20
383	Metabolic analysis of elicited cell suspension cultures of <i>Cannabis sativa</i> L. by ¹ H-NMR spectroscopy. <i>Biotechnology Letters</i> , 2010, 32, 935-941.	1.1	20
384	Extending pharmacological dose-response curves for salsalate with natural deep eutectic solvents. <i>RSC Advances</i> , 2015, 5, 61398-61401.	1.7	20
385	Antistaphylococcal Prenylated Acylphoroglucinol and Xanthenes from <i>Kielmeyera variabilis</i> . <i>Journal of Natural Products</i> , 2016, 79, 470-476.	1.5	20
386	Natural deep eutectic solvents as biofilm structural breakers. <i>Water Research</i> , 2021, 201, 117323.	5.3	20
387	Alkaloids of <i>Strychnos dolichothyrsa</i> Gilg ex Onochie et Hepper. <i>Journal of Pharmaceutical Sciences</i> , 1978, 67, 171-174.	1.6	19
388	Flavonoids from <i>Elaeodendron balae</i> root bark. <i>Phytochemistry</i> , 1985, 24, 2093-2095.	1.4	19
389	Intra- and extracellular carbohydrates in plant cell cultures investigated by ¹ H-NMR. <i>Plant Cell Reports</i> , 1991, 9, 527-30.	2.8	19
390	Cell cultures of <i>Rauwolfia sellowii</i> : growth and alkaloid production. <i>Plant Cell, Tissue and Organ Culture</i> , 1998, 54, 61-63.	1.2	19
391	Title is missing!. <i>Biotechnology Letters</i> , 1999, 21, 997-1002.	1.1	19
392	Accumulation of loganin and secologanin in vacuoles from suspension cultured <i>Catharanthus roseus</i> cells. <i>Plant Science</i> , 1999, 147, 177-183.	1.7	19
393	Vitamin K1 accumulation in tobacco plants overexpressing bacterial genes involved in the biosynthesis of salicylic acid. <i>Journal of Biotechnology</i> , 2007, 128, 72-79.	1.9	19
394	Repository for ethnopharmacological survey data?. <i>Journal of Ethnopharmacology</i> , 2008, 120, 127-128.	2.0	19
395	Metabolomics: will it stay?. <i>Phytochemical Analysis</i> , 2010, 21, 2-3.	1.2	19
396	NMR spectroscopy and chemometrics as a tool for anti-TNF α activity screening in crude extracts of grapes and other berries. <i>Metabolomics</i> , 2012, 8, 1148-1161.	1.4	19

#	ARTICLE	IF	CITATIONS
397	Antiplasmodial activity of sesquiterpene lactones and a sucrose ester from <i>Vernonia guineensis</i> Benth. (Asteraceae). <i>Journal of Ethnopharmacology</i> , 2013, 147, 618-621.	2.0	19
398	Isolation and synthesis of vobparicine, a novel type dimeric indole alkaloid. <i>Tetrahedron Letters</i> , 1984, 25, 2057-2060.	0.7	18
399	Assay of chalcone synthase activity by high-performance liquid chromatography. <i>Phytochemistry</i> , 1993, 34, 1225-1229.	1.4	18
400	Cryopreservation of cell suspension cultures of <i>Taxus Æ— media</i> and <i>Taxus floridana</i> . <i>Biologia Plantarum</i> , 2008, 52, 329-333.	1.9	18
401	Isolation of individual hop iso- α -acids stereoisomers by β -cyclodextrin. <i>Food Chemistry</i> , 2010, 119, 354-357.	4.2	18
402	<i>Meconopsis cambrica</i> Alkaloids. <i>Journal of Natural Products</i> , 1981, 44, 67-74.	1.5	17
403	Trifluoroacetic acid, A $^1\text{H-NMR}$ shift reagent for alkaloids. <i>Tetrahedron Letters</i> , 1986, 27, 2523-2526.	0.7	17
404	The influence of initial sucrose and nitrate concentrations on the growth of <i>Cinchona ledgeriana</i> cell suspension cultures and the production of alkaloids and anthraquinones. <i>Plant Cell, Tissue and Organ Culture</i> , 1986, 7, 21-29.	1.2	17
405	Purification of tryptophan decarboxylase from a <i>Catharanthus roseus</i> cell suspension culture. <i>Journal of Chromatography A</i> , 1989, 483, 311-318.	1.8	17
406	Investigation of extracts of plant cell cultures by proton nuclear magnetic resonance spectroscopy. <i>Phytochemical Analysis</i> , 1991, 2, 155-162.	1.2	17
407	Cloning of a cDNA encoding 1-deoxy-d-xylulose 5-phosphate synthase from <i>Morinda citrifolia</i> and analysis of its expression in relation to anthraquinone accumulation. <i>Plant Science</i> , 2003, 164, 911-917.	1.7	17
408	Organogenic nodule development in hop (<i>Humulus lupulus</i> L.): Transcript and metabolic responses. <i>BMC Genomics</i> , 2008, 9, 445.	1.2	17
409	Investigation of Chemomarkers of <i>Astragali Radix</i> of Different Ages and Geographical Origin by NMR Profiling. <i>Molecules</i> , 2015, 20, 3389-3405.	1.7	17
410	Current research in biotechnology: Exploring the biotech forefront. <i>Current Research in Biotechnology</i> , 2019, 1, 34-40.	1.9	17
411	New Indole Alkaloids of <i>Strychnos dale</i> and <i>Strychnos elaeocarpa</i> . <i>Planta Medica</i> , 1978, 34, 264-273.	0.7	16
412	Muscle relaxant activity and hypotensive activity of some <i>tabernaemontana</i> alkaloids. <i>Journal of Ethnopharmacology</i> , 1985, 13, 165-173.	2.0	16
413	High-performance liquid chromatographic assay of anthranilate synthase from plant cell cultures. <i>Journal of Chromatography A</i> , 1991, 547, 155-160.	1.8	16
414	Strictosidine glucosidase from suspension cultured cells of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1996, 41, 1451-1456.	1.4	16

#	ARTICLE	IF	CITATIONS
415	Gaseous metabolites and the ajmalicine production rate in high density cell cultures of <i>Catharanthus roseus</i> . <i>Enzyme and Microbial Technology</i> , 1997, 20, 107-115.	1.6	16
416	Mevalonate kinase activity in <i>Catharanthus roseus</i> plants and suspension cultured cells. <i>Plant Science</i> , 2000, 150, 59-69.	1.7	16
417	Atividades larvicida e anticolinesterásica de plantas do gênero <i>Kalanchoe</i> . <i>Quimica Nova</i> , 2006, 29, 415-418.	0.3	16
418	Phenolic constituents of <i>Gnaphalium uliginosum</i> L.. <i>Phytochemistry Letters</i> , 2010, 3, 45-47.	0.6	16
419	Analysis of the Interface between Primary and Secondary Metabolism in <i>Catharanthus roseus</i> Cell Cultures Using ¹³ C-Stable Isotope Feeding and Coupled Mass Spectrometry. <i>Molecular Plant</i> , 2013, 6, 581-584.	3.9	16
420	Metabolic alterations and distribution of five-carbon precursors in jasmonic acid-elicited <i>Catharanthus roseus</i> cell suspension cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 351-362.	1.2	16
421	LC-ESI-MS/MS profiling of phenolics from <i>Eleutherococcus</i> spp. inflorescences, structure-activity relationship as antioxidants, inhibitors of hyaluronidase and acetylcholinesterase. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 734-743.	1.2	16
422	Some New Decussine-Type Alkaloids From <i>Strychnos decussata</i> , <i>Strychnos dale</i> and <i>Strychnos elaeocarpa</i> . <i>Journal of Natural Products</i> , 1981, 44, 415-421.	1.5	15
423	Reversed-phase ion-pair chromatography of alkaloids on dodecylsulphonic acid and cetrimide (hexadecyltrimethylammonium)-impregnated C18 columns. <i>Journal of Chromatography A</i> , 1984, 283, 401-405.	1.8	15
424	Screening of some somalian medicinal plants for antimicrobial activity. <i>Journal of Ethnopharmacology</i> , 1986, 17, 283-288.	2.0	15
425	Nitrogen metabolism in cultures of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1991, 30, 3951-3954.	1.4	15
426	Breakdown of indole alkaloids in suspension cultures of <i>Tabernaemontana divaricata</i> and <i>Catharanthus roseus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 38, 299-305.	1.2	15
427	Anthraquinones from <i>Isoplexis isabelliana</i> cell suspension cultures. <i>Phytochemistry</i> , 1999, 52, 1283-1286.	1.4	15
428	Quantitative analysis of retinol and retinol palmitate in vitamin tablets using ¹ H-nuclear magnetic resonance spectroscopy. <i>Analytica Chimica Acta</i> , 2004, 512, 141-147.	2.6	15
429	Metabolic comparison of cryopreserved and normal cells from <i>Tabernaemontana divaricata</i> suspension cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 2005, 83, 59-66.	1.2	15
430	Pre-analytical method for metabolic profiling of plant cell cultures of <i>Passiflora garckeii</i> . <i>Biotechnology Letters</i> , 2008, 30, 2031-2036.	1.1	15
431	Phytochemical Content and Pharma-Nutrition Study on <i>Eleutherococcus senticosus</i> Fruits Intractum. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	1.9	15
432	Antimutagenic, antigenotoxic and antiproliferative activities of <i>Fraxinus angustifolia</i> Vahl. leaves and stem bark extracts and their phytochemical composition. <i>PLoS ONE</i> , 2020, 15, e0230690.	1.1	15

#	ARTICLE	IF	CITATIONS
433	Carbon-13 NMR spectroscopy of some <i>Strychnos</i> alkaloids. Part 2. <i>Magnetic Resonance in Chemistry</i> , 1984, 22, 345-348.	0.7	14
434	Phytochemical investigation of <i>Tabernaemontana crassa</i> . <i>Journal of Ethnopharmacology</i> , 1985, 14, 315-318.	2.0	14
435	Influence of production media on <i>Cinchona</i> cell cultures; spontaneous formation of $\hat{1}^2$ -carbolines from L-tryptophan. <i>Plant Science</i> , 1986, 47, 71-76.	1.7	14
436	Reversed-phase high-performance liquid chromatographic separation of some indole and quinoline alkaloids from <i>cinchona</i> . <i>Journal of Chromatography A</i> , 1989, 479, 39-51.	1.8	14
437	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 1997, 48, 121-126.	1.2	14
438	Safrole Analysis by GC-MS of Prototrophic (<i>Ocotea odorifera</i> (Vell.) Rohwer) Cell Cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 2004, 78, 231-235.	1.2	14
439	Effects of fungicides on galanthamine and metabolite profiles in <i>Narcissus</i> bulbs. <i>Plant Physiology and Biochemistry</i> , 2012, 58, 116-123.	2.8	14
440	CALLUS INDUCTION AND PHYTOCHEMICAL CHARACTERIZATION OF <i>Cannabis sativa</i> CELL SUSPENSION CULTURES. <i>Indonesian Journal of Chemistry</i> , 2006, 6, 70-74.	0.3	14
441	Alkaloids and Biological Activity of <i>Strychnos angolensis</i> . <i>Planta Medica</i> , 1979, 35, 19-30.	0.7	13
442	Cardiovascular activity of the crude alkaloidal fraction from <i>Tabernaemontana pandacaqui</i> in the rat. <i>Journal of Ethnopharmacology</i> , 1998, 59, 131-137.	2.0	13
443	Glucosylation of ethanol in <i>Ilex paraguariensis</i> cell suspension cultures. <i>Plant Cell Reports</i> , 1999, 18, 509-513.	2.8	13
444	Determination of the activity of the cytochrome p450 enzyme geraniol 10-hydroxylase in plants by high-performance liquid chromatography. <i>Phytochemical Analysis</i> , 1999, 10, 314-318.	1.2	13
445	ANALYSIS OF TAXINES IN <i>TAXUS</i> PLANT MATERIAL AND CELL CULTURES BY HPLC PHOTODIODE ARRAY AND HPLC-ELECTROSPRAY MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001, 24, 2267-2282.	0.5	13
446	Is accumulation of sesquiterpenoid phytoalexins induced in tobacco plants constitutively producing salicylic acid?. <i>Plant Science</i> , 2002, 162, 989-993.	1.7	13
447	Synthesis and Spectroscopic Characterization of Cannabinolic Acid. <i>Planta Medica</i> , 2007, 73, 273-275.	0.7	13
448	NMR assignment of iso- $\hat{1}^2$ -acids from isomerised extracts of <i>Humulus lupulus</i> L. cones. <i>Phytochemical Analysis</i> , 2007, 18, 371-377.	1.2	13
449	Metabolomics: what's new?. <i>Flavour and Fragrance Journal</i> , 2010, 25, 128-131.	1.2	13
450	NMR-Based Metabolomics: A Probe to Utilize Biodiversity. <i>Methods in Molecular Biology</i> , 2013, 1055, 117-127.	0.4	13

#	ARTICLE	IF	CITATIONS
451	Investigation of the Chemomarkers Correlated with Flower Colour in Different Organs of <i>Catharanthus roseus</i> Using NMR-based Metabolomics. <i>Phytochemical Analysis</i> , 2014, 25, 66-74.	1.2	13
452	Metabolite Analysis of <i>Cannabis sativa</i> L. by NMR Spectroscopy. <i>Methods in Molecular Biology</i> , 2012, 815, 363-375.	0.4	13
453	High-speed liquid chromatographic separation of some <i>Strychnos</i> alkaloids. <i>Journal of Chromatography A</i> , 1975, 109, 441-442.	1.8	12
454	Assignment of ¹³ C-NMR spectra of strychnine and brucine. <i>Journal of Pharmaceutical Sciences</i> , 1980, 69, 865-867.	1.6	12
455	Micropropagation of <i>Isoplexis canariensis</i> (L.) G. Don. <i>Plant Cell, Tissue and Organ Culture</i> , 1997, 49, 117-119.	1.2	12
456	Chapter 12 Plant Biotechnology and the Production of Alkaloids: Prospects of Metabolic Engineering. <i>The Alkaloids Chemistry and Biology</i> , 1998, 50, 453-508.	0.8	12
457	Purification and characterization of phosphomevalonate kinase from <i>Catharanthus roseus</i> . <i>Phytochemistry</i> , 1999, 52, 975-983.	1.4	12
458	Salicylic acid produced by isochorismate synthase and isochorismate pyruvate lyase in various parts of constitutive salicylic acid producing tobacco plants. <i>Plant Science</i> , 2001, 161, 911-915.	1.7	12
459	Isochorismate synthase transgenic expression in <i>Catharanthus roseus</i> cell suspensions. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 595-602.	2.8	12
460	Perspectives of ethnopharmacology. <i>Journal of Ethnopharmacology</i> , 2005, 100, 1-2.	2.0	12
461	Metabolic characterization of green pods from <i>Vanilla planifolia</i> accessions grown in La Réunion. <i>Environmental and Experimental Botany</i> , 2011, 72, 258-265.	2.0	12
462	Metabolome of <i>Vanilla planifolia</i> (Orchidaceae) and related species under Cymbidium mosaic virus (CymMV) infection. <i>Plant Physiology and Biochemistry</i> , 2012, 60, 25-34.	2.8	12
463	The Use of Bio-Guided Fractionation to Explore the Use of Leftover Biomass in Dutch Flower Bulb Production as Allelochemicals against Weeds. <i>Molecules</i> , 2013, 18, 4510-4525.	1.7	12
464	Plant-Derived Food Ingredients for Stimulation of Energy Expenditure. <i>Critical Reviews in Food Science and Nutrition</i> , 2014, 54, 373-388.	5.4	12
465	Biochemical characterization of embryogenic calli of <i>Vanilla planifolia</i> in response to two years of thidiazuron treatment. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 337-344.	2.8	12
466	The intractum from the <i>Eleutherococcus senticosus</i> fruits affects the innate immunity in human leukocytes: From the ethnomedicinal use to contemporary evidence-based research. <i>Journal of Ethnopharmacology</i> , 2021, 268, 113636.	2.0	12
467	Effectiveness of Volatile Natural Deep Eutectic Solvents (VNADESs) for the Green Extraction of <i>Chelidonium majus</i> Isoquinoline Alkaloids. <i>Molecules</i> , 2022, 27, 2815.	1.7	12
468	Some phytochemical aspects of medicinal plant research. <i>Journal of Ethnopharmacology</i> , 1989, 25, 43-59.	2.0	11

#	ARTICLE	IF	CITATIONS
469	Metabolic enzymes of 3-hydroxy-3-methylglutaryl-coenzyme A in <i>Catharanthus roseus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1995, 43, 85-88.	1.2	11
470	An assay for secologanin in plant tissues based on enzymatic conversion into strictosidine. <i>Phytochemical Analysis</i> , 1998, 9, 162-167.	1.2	11
471	Geranylgeranyl diphosphate synthase activity and taxane production in <i>Taxus baccata</i> cells. <i>Phytochemistry</i> , 1999, 50, 939-946.	1.4	11
472	Nicotine and related alkaloids accumulation in constitutive salicylic acid producing tobacco plants. <i>Plant Science</i> , 2002, 162, 575-581.	1.7	11
473	<i>Ilex paraguariensis</i> cell suspension culture characterization and response against ethanol. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 68, 257-263.	1.2	11
474	Metabolic Alterations in Different Developmental Stages of <i>Pilocarpus microphyllus</i> . <i>Planta Medica</i> , 2011, 77, 293-300.	0.7	11
475	Zebrafish as a Model for Systems Medicine R&D: Rethinking the Metabolic Effects of Carrier Solvents and Culture Buffers Determined by ¹ H NMR Metabolomics. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 42-52.	1.0	11
476	Effect of Benzothiadiazole on the Metabolome of Tomato Plants Infected by Citrus Exocortis Viroid. <i>Viruses</i> , 2019, 11, 437.	1.5	11
477	Natural deep eutectic solvents in plants and plant cells: In vitro evidence for their possible functions. <i>Advances in Botanical Research</i> , 2021, , 159-184.	0.5	11
478	Measuring the health effects of food by metabolomics. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 6359-6373.	5.4	11
479	Chemical constituents of Vietnamese toad venom collected from <i>Bufo melanostictus</i> Schneider. <i>Journal of Ethnopharmacology</i> , 1979, 1, 197-202.	2.0	10
480	High-performance liquid chromatography of Cinchona alkaloids. <i>Journal of Chromatography A</i> , 1983, 261, 172-175.	1.8	10
481	Cardiovascular effects of <i>Tabernaemontana pandacaqui</i> . <i>Journal of Ethnopharmacology</i> , 1989, 27, 107-119.	2.0	10
482	New strictosidine β -glucosidase from <i>Strychnos mellodora</i> . <i>Plant Physiology and Biochemistry</i> , 2000, 38, 187-192.	2.8	10
483	Peroxidase activity in hop plants after infestation by red spider mites. <i>Crop Protection</i> , 2003, 22, 423-424.	1.0	10
484	Chrysopentamine, an Antiplasmodial Anhydronium Base from <i>Strychnos usambarensis</i> Leaves. <i>Planta Medica</i> , 2004, 70, 72-76.	0.7	10
485	Hydroxylation and Further Oxidation of Δ^9 -Tetrahydrocannabinol by Alkane-Degrading Bacteria. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7135-7141.	1.4	10
486	Genotype \times environment interactions affect flower and fruit herbivory and plant chemistry of <i>Arabidopsis thaliana</i> in a transplant experiment. <i>Ecological Research</i> , 2009, 24, 1161-1171.	0.7	10

#	ARTICLE	IF	CITATIONS
487	Moandaensine, a dimeric indole alkaloid from <i>Strychnos moandaensis</i> (Loganiaceae). <i>Phytochemistry Letters</i> , 2010, 3, 100-103.	0.6	10
488	Metabolic changes of <i>Brassica rapa</i> transformed with a bacterial isochorismate synthase gene. <i>Journal of Plant Physiology</i> , 2010, 167, 1525-1532.	1.6	10
489	Statistical tools in ethnopharmacology. <i>Journal of Ethnopharmacology</i> , 2012, 139, 691-692.	2.0	10
490	Environmentally benign supercritical CO ₂ extraction of galanthamine from floricultural crop waste of <i>Narcissus pseudonarcissus</i> . <i>Journal of Supercritical Fluids</i> , 2014, 93, 7-19.	1.6	10
491	Metabolic effects of cannabinoids in zebrafish (<i>Danio rerio</i>) embryos determined by ¹ H NMR metabolomics. <i>Metabolomics</i> , 2016, 12, 1.	1.4	10
492	Quality Markers for <i>Astragali Radix</i> and Its Products Based on Process Analysis. <i>Frontiers in Pharmacology</i> , 2020, 11, 554777.	1.6	10
493	Fast dereplication of xanthine oxidase-inhibiting compounds in alfalfa using comparative metabolomics. <i>Food Research International</i> , 2021, 141, 110170.	2.9	10
494	Thin-layer chromatography of some quaternary alkaloids and alkaloid N-oxides. <i>Journal of Chromatography A</i> , 1976, 124, 152-156.	1.8	9
495	Revised Structure of Phaeantharine. <i>Journal of Natural Products</i> , 1983, 46, 226-231.	1.5	9
496	HPLC Analysis of Alkaloids in Extracts of Callus Cultures of <i>Cinchona</i> Species. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1984, 39, 680-682.	0.6	9
497	Janussines a and b from <i>strychnos johnsonii</i> . <i>Tetrahedron Letters</i> , 1985, 26, 2441-2444.	0.7	9
498	Pseudovobparicine, A New Dimeric Indole Alkaloid from <i>Tabernaemontana divaricata</i> . <i>Planta Medica</i> , 1985, 51, 277-279.	0.7	9
499	Î±, Î²P-Unsaturated-Î³-lactones from <i>Sedum telephium</i> roots. <i>Phytochemistry</i> , 1990, 29, 517-519.	1.4	9
500	A study of the behaviour of some new column materials in the chromatographic analysis of <i>Cinchona</i> alkaloids. <i>Chromatographia</i> , 1995, 41, 153-160.	0.7	9
501	In silico expression analysis of PKS genes isolated from <i>Cannabis sativa</i> L.. <i>Genetics and Molecular Biology</i> , 2010, 33, 703-713.	0.6	9
502	Red wines attenuate TNFÎ± production in human histiocytic lymphoma cell line: An NMR spectroscopy and chemometrics based study. <i>Food Chemistry</i> , 2013, 141, 3124-3130.	4.2	9
503	In vivo antiprostata tumor potential of <i>Vernonia guineensis</i> Benth. (Asteraceae) tuber extract (VGDE) and the cytotoxicity of its major compound pentaisovaleryl sucrose. <i>Journal of Ethnopharmacology</i> , 2013, 150, 724-728.	2.0	9
504	Biotransformation of Tetrahydrocannabinol. <i>Phytochemistry Reviews</i> , 2016, 15, 921-934.	3.1	9

#	ARTICLE	IF	CITATIONS
505	Effect of bulb age on alkaloid contents of narcissus pseudonarcissus bulbs. South African Journal of Botany, 2021, 136, 182-189.	1.2	9
506	Structural properties and stability of the Betaine-Urea natural deep eutectic solvent. Journal of Molecular Liquids, 2021, 343, 117655.	2.3	9
507	Pressurized Natural Deep Eutectic Solvent Extraction of Galanthamine and Related Alkaloids from Narcissus pseudonarcissus. Planta Medica, 2022, 88, 814-825.	0.7	9
508	Circular thin-layer chromatography of quaternary alkaloids. Journal of Chromatography A, 1984, 291, 389-391.	1.8	8
509	Screening for biological activity of different plant parts of tabernaemontana dichotoma, known as divi kaduru in Sri Lanka. Journal of Ethnopharmacology, 1984, 11, 233-241.	2.0	8
510	Uptake and Accumulation of the Alkaloids Quinine and Cinchonamine in Cultured Cells of Cinchona robusta and Catharanthus roseus. Journal of Plant Physiology, 1991, 138, 436-442.	1.6	8
511	Microplate Enzyme-Coupled Assays of Mevalonate and Phosphomevalonate Kinase from Catharanthus roseus Suspension Cultured Cells. Analytical Biochemistry, 1999, 269, 245-254.	1.1	8
512	Assay of 2,3-dihydroxybenzoic acid and related compounds in plant materials by high-performance liquid chromatography. Journal of Chromatography A, 2001, 927, 39-45.	1.8	8
513	Glucosylation of exogenous vanillin by plant cell cultures. Plant Cell, Tissue and Organ Culture, 2002, 69, 177-182.	1.2	8
514	Analysis of anthraquinones in cell cultures of Cinchona ?Robusta? by HPLC with photodiode array and mass spectrometry detection. Phytochemical Analysis, 2003, 14, 298-305.	1.2	8
515	Primary data are the basis of all science!. Journal of Ethnopharmacology, 2012, 139, 683-684.	2.0	8
516	Molecular cloning and expression of tryptophan decarboxylase from Mitragyna speciosa. Acta Physiologiae Plantarum, 2013, 35, 2611-2621.	1.0	8
517	A MORPHOLOGICAL AND HISTOLOGICAL CHARACTERIZATION OF BROWNING IN POMEGRANATE HUSK. Acta Horticulturae, 2015, , 445-451.	0.1	8
518	Honey in traditional Chinese medicine: A guide to future applications of NADES to medicines. Advances in Botanical Research, 2021, 97, 361-384.	0.5	8
519	Latex Metabolome of Euphorbia Species: Geographical and Inter-Species Variation and its Proposed Role in Plant Defense against Herbivores and Pathogens. Journal of Chemical Ecology, 2021, 47, 564-576.	0.9	8
520	On the occurrence of filican-3-one in Strychnos dolichothyrsa. Phytochemistry, 1978, 17, 817-818.	1.4	7
521	New semidimeric alkaloids from strychnos dale. Tetrahedron Letters, 1986, 27, 239-242.	0.7	7
522	Formation of terpenoid products in Ginkgo biloba L. cultivated cells. Plant Cell Reports, 1996, 15, 888-891.	2.8	7

#	ARTICLE	IF	CITATIONS
523	Isocratic high-performance liquid chromatography of coenzyme A esters involved in the metabolism of 3S-hydroxy-3-methylglutaryl-coenzyme A detection of related enzyme activities in <i>Catharanthus roseus</i> plant cell cultures. <i>Journal of Chromatography A</i> , 1996, 752, 123-130.	1.8	7
524	High-performance liquid chromatography assay for 1-deoxy-d-xylulose 5-phosphate synthase activity using fluorescence detection. <i>Journal of Chromatography A</i> , 2003, 986, 291-296.	1.8	7
525	Methods for the analysis of galanthamine and its extraction from laboratory to industrial scale. <i>South African Journal of Botany</i> , 2021, 136, 51-64.	1.2	7
526	Synergistic mechanism for the bioactivity fortification of licorice by honey. <i>Journal of Ethnopharmacology</i> , 2022, 289, 115048.	2.0	7
527	High-performance liquid chromatography of some <i>Tabernaemontana</i> alkaloids. <i>Journal of Chromatography A</i> , 1984, 285, 214-220.	1.8	6
528	Chapter 6 Cinchona Alkaloids. <i>Alkaloids: Chemistry and Pharmacology</i> , 1989, , 331-398.	0.2	6
529	Novel Techniques for Growth Characterization and Phytochemical Analysis of Plant Cell Suspension Cultures. <i>Journal of Natural Products</i> , 1995, 58, 1305-1314.	1.5	6
530	Cell wall polysaccharides from <i>Mandevilla velutina</i> (Apocynaceae) cultured cells: extraction and chemical structure. <i>Carbohydrate Polymers</i> , 2000, 41, 55-60.	5.1	6
531	Synergy: Easier to say than to prove. <i>Synergy</i> , 2018, 7, 34-35.	1.1	6
532	Metabolomics reveals novel insight on dormancy of aquatic invertebrate encysted embryos. <i>Scientific Reports</i> , 2019, 9, 8878.	1.6	6
533	Induction of the Secondary Metabolism in <i>Catharanthus roseus</i> Cell Suspension Cultures in Response to UV Irradiation and the Addition of a Benzoic Acid Derivative. <i>Heterocycles</i> , 1994, 39, 457.	0.4	6
534	Colorflammine and berbicolorflammine, two new orange-colored bis(benzylisoquinoline) alkaloids from <i>Pycnarrhena longifolia</i> . <i>Journal of Organic Chemistry</i> , 1982, 47, 898-900.	1.7	5
535	Alkaloids from <i>Strychnos chrysophylla</i> . <i>Journal of Ethnopharmacology</i> , 1984, 10, 243-247.	2.0	5
536	A study of the behaviour of some new column materials in the chromatographic analysis of <i>Catharanthus</i> alkaloids. <i>Chromatographia</i> , 1997, 45, 52-58.	0.7	5
537	Localization of secologanin in <i>Catharanthus roseus</i> cells. <i>Acta Botanica Gallica</i> , 1999, 146, 105-110.	0.9	5
538	What is the function of oil-containing rudimentary branches in the moss <i>Canalohypopterygium tamariscinum</i> . <i>New Zealand Journal of Botany</i> , 2002, 40, 149-153.	0.8	5
539	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 68, 293-299.	1.2	5
540	Differential Metabolic Profiling by HPLC-MS of Wild Type and Transgenic Tobacco Plants Constitutively Producing Salicylic Acid. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 369-383.	0.5	5

#	ARTICLE	IF	CITATIONS
541	Identification of Possible Compounds Possessing Adenosine A1 Receptor Binding Activity in the Leaves of <i>Orthosiphon stamineus</i> Using TLC and Multivariate Data Analysis. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 2906-2916.	0.5	5
542	Simple Phenols, Phenolic Acids, and Related Esters from the Medicinal Plants of Africa. , 2013, , 225-249.		5
543	Limitation of Mitragynine Biosynthesis in <i>Mitragyna speciosa</i> (Roxb.) Korth. through Tryptamine Availability. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2013, 68, 394-405.	0.6	5
544	Food and medicine: Old traditions, novel opportunities. <i>Journal of Ethnopharmacology</i> , 2015, 167, 1.	2.0	5
545	Phytoconstituents and Nutritional Properties of the Fruits of <i>Eleutherococcus divaricatus</i> and <i>Eleutherococcus sessiliflorus</i> : A Study of Non-European Species Cultivated in Poland. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-7.	1.9	5
546	11-Methoxydiabolone in <i>Strychnos malacoclados</i> . <i>Phytochemistry</i> , 1974, 13, 2011.	1.4	4
547	Natural Abundance Nitrogen-15 NMR: A Study About the Conformation and Protonation Site of Some Quinoline Alkaloids. <i>Spectroscopy Letters</i> , 1987, 20, 777-783.	0.5	4
548	Isolation of 4-hydroxy-5-methoxycanthinone from <i>Picrasma quassioides</i> and Revision of a Previously Reported Structure. <i>Liebigs Annalen Der Chemie</i> , 1992, 1992, 987-988.	0.8	4
549	Characterization of a polyclonal antiserum against the monoterpene monooxygenase, geraniol 10-hydroxylase from <i>Catharanthus roseus</i> . <i>Journal of Plant Physiology</i> , 2005, 162, 393-402.	1.6	4
550	APPLICATION OF TWO DIMENSIONAL THIN LAYER CHROMATOGRAPHY PATTERN COMPARISON FOR FINGERPRINTING THE ACTIVE COMPOUNDS IN THE LEAVES OF <i>VITEX TRIFOLIA</i> LINN POSSESSING ANTI-TRACHEOSPASMOLYTIC ACTIVITY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 33, 214-224.	0.5	4
551	New Methods of Analysis and Investigation of Terpenoid Indole Alkaloids. <i>Advances in Botanical Research</i> , 2013, 68, 233-272.	0.5	4
552	How to come to evidence-based herbal medicines, what are the rules?. <i>Journal of Ethnopharmacology</i> , 2014, 158, 447.	2.0	4
553	Hydroxylation and glycosylation of ⁹ -tetrahydrocannabinol by <i>Catharanthus roseus</i> cell suspension culture. <i>Biocatalysis and Biotransformation</i> , 2015, 33, 279-286.	1.1	4
554	Breakdown of indole alkaloids in suspension cultures of <i>Tabernaemontana divaricata</i> and <i>Catharanthus roseus</i> . , 1994, , 299-305.		4
555	Title is missing!. <i>Biotechnology Letters</i> , 1999, 13, 605-608.	0.5	3
556	High Performance Liquid Chromatographic Method for Isoflavonoid Acids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 293-302.	0.5	3
557	Metabolic Engineering of Plant Cellular Metabolism: Methodologies, Advances, and Future Directions. , 2013, , 359-393.		3
558	Creative and innovative good practice in traditional Chinese medicine clinical studies: Strategies for sustainable development. <i>Journal of Ethnopharmacology</i> , 2014, 155, 1625-1628.	2.0	3

#	ARTICLE	IF	CITATIONS
559	New times for traditional medicine research. <i>Journal of Ethnopharmacology</i> , 2017, 197, 1.	2.0	3
560	Influence of Growth Retardants on Serpentine Accumulation in <i>Catharanthus roseus</i> Cell Suspension Cultures. <i>American Journal of Plant Physiology</i> , 2007, 2, 373-377.	0.2	3
561	Accumulation of ixerin F and activities of some terpenoid biosynthetic enzymes in a cell suspension culture of <i>Lactuca virosa</i> L.. <i>Acta Societatis Botanicorum Poloniae</i> , 2014, 66, 185-188.	0.8	3
562	Vanillin: Biosynthesis, Biotechnology, and Bioproduction. <i>Reference Series in Phytochemistry</i> , 2022, , 341-358.	0.2	3
563	Studies on Indonesian medicinal plants. <i>Pharmaceutisch Weekblad</i> , 1982, 4, 87-88.	0.7	2
564	The applications of hydrophobic interaction chromatography to the purification of plant proteins. <i>Phytochemical Analysis</i> , 1991, 2, 191-198.	1.2	2
565	Characterization of some isoprenoid-biosynthetic enzymes from plant cell cultures. <i>Studies in Organic Chemistry</i> , 1998, 53, 177-184.	0.2	2
566	Expression of strictosidine β -D-glucosidase cDNA from , involved in the monoterpene indole alkaloid pathway, in a transgenic suspension culture of . <i>Plant Physiology and Biochemistry</i> , 2001, 39, 763-769.	2.8	2
567	Micropropagation of <i>Sloanea isabelliana</i> (Webb & Berth.) Masf., a Threatened Medicinal Plant. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2003, 10, 89-94.	0.5	2
568	Effect of Feeding Salicylic Acid on 2,3-Dihydroxybenzoic Acid Formation in Cultured Cells of <i>Catharanthus roseus</i> . <i>Pharmaceutical Biology</i> , 2003, 41, 284-290.	1.3	2
569	The Application of β -Cyclodextrin to Separate <i>cis</i> - from <i>trans</i> -Iso- β -Acids in an Isomerized Hop Extract. <i>Journal of the American Society of Brewing Chemists</i> , 2010, 68, 15-20.	0.8	2
570	Biosynthesis of 2,3-Dihydroxybenzoic Acid in Transgenic <i>Catharanthus roseus</i> Cell Cultures Overexpressing Isochorismate Synthase. <i>Heterocycles</i> , 2002, 56, 341.	0.4	2
571	Formation of terpenoid products in <i>Ginkgo biloba</i> L. cultivated cells. <i>Plant Cell Reports</i> , 1996, 15, 888-891.	2.8	2
572	Using metabolomics to discover the immunomodulator activity of food plants. <i>Heliyon</i> , 2022, 8, e09507.	1.4	2
573	Genetic Engineering of the Plant Cell Factory for Secondary Metabolite Production. , 2002, , .		1
574	Plant cell biotechnology. , 0, , 549-578.		1
575	Overview and Introduction. , 2010, , 1-4.		1
576	Preanalytical Treatments: Extraction With Deep Eutectic Solvents. , 2020, , 565-590.		1

#	ARTICLE	IF	CITATIONS
577	Preface: Natural deep eutectic solvents: A third liquid phase in living organisms? Discovery, theory, biology, and applications. <i>Advances in Botanical Research</i> , 2021, , xv-xxii.	0.5	1
578	Alkaloidsâ€™Liquid Chromatography. , 2019, , .		1
579	International Research Congress on natural products as medicinal agents. <i>Pharmaceutisch Weekblad</i> , 1981, 3, 119-124.	0.7	0
580	Publication misconduct: Redundant publication. <i>Journal of Ethnopharmacology</i> , 2010, 129, 141.	2.0	0
581	Professor Dr. Norman R. Farnsworth. <i>Journal of Ethnopharmacology</i> , 2012, 139, 681.	2.0	0
582	Profiling the Jasmonic Acid Responses by Nuclear Magnetic Resonance-Based Metabolomics. <i>Methods in Molecular Biology</i> , 2013, 1011, 267-275.	0.4	0
583	Extracting a medicine or extracting knowledge. <i>Journal of Ethnopharmacology</i> , 2014, 154, 267.	2.0	0
584	From traditional use to clinical trials and meta-analyses. <i>Journal of Ethnopharmacology</i> , 2015, 164, A1.	2.0	0
585	¹³ C-Isotope-Labeling Experiments to Study Metabolism in <i>Catharanthus roseus</i> . , 0, , .		0
586	HPTLC, A Supplementary Tool for Metabolic Profiling and Metabolomics. , 2018, , 59-59.		0
587	Analysis of Terpenoid Indole Alkaloids, Carotenoids, Phytosterols, and NMR-Based Metabolomics for <i>Catharanthus roseus</i> Cell Suspension Cultures. <i>Methods in Molecular Biology</i> , 2018, 1815, 437-455.	0.4	0
588	Natural deep eutectic solvents present in plant exudates? A case study on the saps of <i>Drosera</i> species. <i>Advances in Botanical Research</i> , 2021, , 253-269.	0.5	0
589	Metabolomics: Novel Tool for Studying Complex Biological Systems. , 2010, , 493-510.		0
590	Isochorismate synthase cDNA isolation from cell cultures of <i>Catharanthus roseus</i> (L.)G.Don.. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1999, , 341-346.	0.0	0
591	Host and Guest: Vanilla Inhabited by Endophytes. , 2016, , 1-28.		0
592	Host and Guest: Vanilla Inhabited by Endophytes. , 2017, , 191-217.		0
593	Foreword by Rob Verpoorte. , 2022, , xxi-xxiv.		0
594	Limitation of mitragynine biosynthesis in <i>Mitragyna speciosa</i> (Roxb.) Korth. through tryptamine availability. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2013, 68, 394-405.	0.6	0

#	ARTICLE	IF	CITATIONS
595	Expression of bacterial isochorismate synthase (EC 5.4.99.6) in transgenic root cultures of <i>Rubia peregrina</i> . <i>Plant Cell Reports</i> , 1996, 16, 54-57.	2.8	0