

Robert Verpoorte

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

584
papers

30,840
citations

85
h-index

149
g-index

623
ext. papers

34,529
ext. citations

4.4
avg, IF

7.34
L-index

#	Paper	IF	Citations
584	Elicitor signal transduction leading to production of plant secondary metabolites. <i>Biotechnology Advances</i> , 2005 , 23, 283-333	17.8	1303
583	Natural deep eutectic solvents as new potential media for green technology. <i>Analytica Chimica Acta</i> , 2013 , 766, 61-8	6.6	1227
582	NMR-based metabolomic analysis of plants. <i>Nature Protocols</i> , 2010 , 5, 536-49	18.8	631
581	Are natural deep eutectic solvents the missing link in understanding cellular metabolism and physiology?. <i>Plant Physiology</i> , 2011 , 156, 1701-5	6.6	594
580	Tailoring properties of natural deep eutectic solvents with water to facilitate their applications. <i>Food Chemistry</i> , 2015 , 187, 14-9	8.5	518
579	The Catharanthus alkaloids: pharmacognosy and biotechnology. <i>Current Medicinal Chemistry</i> , 2004 , 11, 607-28	4.3	497
578	Biotechnology for the production of plant secondary metabolites. <i>Phytochemistry Reviews</i> , 2002 , 1, 13-25.7	7.7	394
577	Natural deep eutectic solvents as a new extraction media for phenolic metabolites in <i>Carthamus tinctorius</i> L. <i>Analytical Chemistry</i> , 2013 , 85, 6272-8	7.8	380
576	Chalcone synthase and its functions in plant resistance. <i>Phytochemistry Reviews</i> , 2011 , 10, 397-412	7.7	324
575	Cultivation of medicinal and aromatic plants for specialty industrial materials. <i>Industrial Crops and Products</i> , 2011 , 34, 785-801	5.9	317
574	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, 217-23.5	4.5	308
573	NMR-based plant metabolomics: where do we stand, where do we go?. <i>Trends in Biotechnology</i> , 2011 , 29, 267-75	15.1	294
572	Ionic liquids and deep eutectic solvents in natural products research: mixtures of solids as extraction solvents. <i>Journal of Natural Products</i> , 2013 , 76, 2162-73	4.9	285
571	ORCANization of jasmonate-responsive gene expression in alkaloid metabolism. <i>Trends in Plant Science</i> , 2001 , 6, 212-9	13.1	280
570	Engineering secondary metabolite production in plants. <i>Current Opinion in Biotechnology</i> , 2002 , 13, 181-7.4	11.4	269
569	Metabolomics in the context of systems biology: bridging traditional Chinese medicine and molecular pharmacology. <i>Phytotherapy Research</i> , 2005 , 19, 173-82	6.7	257
568	Biosynthesis, natural sources, dietary intake, pharmacokinetic properties, and biological activities of hydroxycinnamic acids. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 10877-95	5.7	254

567	The seco-iridoid pathway from <i>Catharanthus roseus</i> . <i>Nature Communications</i> , 2014 , 5, 3606	17.4	250
566	Renewable energy from Cyanobacteria: energy production optimization by metabolic pathway engineering. <i>Applied Microbiology and Biotechnology</i> , 2011 , 91, 471-90	5.7	239
565	Sample preparation for plant metabolomics. <i>Phytochemical Analysis</i> , 2010 , 21, 4-13	3.4	232
564	Geraniol 10-hydroxylase, a cytochrome P450 enzyme involved in terpenoid indole alkaloid biosynthesis. <i>FEBS Letters</i> , 2001 , 508, 215-20	3.8	224
563	Metabolic discrimination of <i>Catharanthus roseus</i> leaves infected by phytoplasma using ¹ H-NMR spectroscopy and multivariate data analysis. <i>Plant Physiology</i> , 2004 , 135, 2398-410	6.6	218
562	Exploration of nature's chemodiversity: the role of secondary metabolites as leads in drug development. <i>Drug Discovery Today</i> , 1998 , 3, 232-238	8.8	210
561	Identification of chlorogenic acid as a resistance factor for thrips in chrysanthemum. <i>Plant Physiology</i> , 2009 , 150, 1567-75	6.6	204
560	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, 50-6	4.5	199
559	Ethnopharmacology and systems biology: a perfect holistic match. <i>Journal of Ethnopharmacology</i> , 2005 , 100, 53-6	5	198
558	Natural deep eutectic solvents providing enhanced stability of natural colorants from safflower (<i>Carthamus tinctorius</i>). <i>Food Chemistry</i> , 2014 , 159, 116-21	8.5	196
557	An ABC transporter mutation alters root exudation of phytochemicals that provoke an overhaul of natural soil microbiota. <i>Plant Physiology</i> , 2009 , 151, 2006-17	6.6	196
556	Metabolic constituents of grapevine and grape-derived products. <i>Phytochemistry Reviews</i> , 2010 , 9, 357-378	3.8	194
555	NMR-based metabolomics at work in phytochemistry. <i>Phytochemistry Reviews</i> , 2007 , 6, 3-14	7.7	193
554	Coordinated regulation of two indole alkaloid biosynthetic genes from <i>Catharanthus roseus</i> by auxin and elicitors. <i>Plant Molecular Biology</i> , 1992 , 18, 1121-31	4.6	187
553	Metabolic fingerprinting of <i>Cannabis sativa</i> L., cannabinoids and terpenoids for chemotaxonomic and drug standardization purposes. <i>Phytochemistry</i> , 2010 , 71, 2058-73	4	186
552	Secondary metabolism in cannabis. <i>Phytochemistry Reviews</i> , 2008 , 7, 615-639	7.7	186
551	Overproduction of salicylic acid in plants by bacterial transgenes enhances pathogen resistance. <i>Nature Biotechnology</i> , 2000 , 18, 779-83	44.5	186
550	Health-Affecting Compounds in Brassicaceae. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2009 , 8, 31-43	16.4	185

549	Catharanthus terpenoid indole alkaloids: biosynthesis and regulation. <i>Phytochemistry Reviews</i> , 2007 , 6, 277-305	7.7	182
548	Tabernaemontana L. (Apocynaceae): a review of its taxonomy, phytochemistry, ethnobotany and pharmacology. <i>Journal of Ethnopharmacology</i> , 1984 , 10, 1-156	5	181
547	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, 414-9	4.7	173
546	Cell and tissue cultures of <i>Catharanthus roseus</i> : A literature survey. <i>Plant Cell, Tissue and Organ Culture</i> , 1995 , 42, 1-25	2.7	171
545	Green solvents from ionic liquids and deep eutectic solvents to natural deep eutectic solvents. <i>Comptes Rendus Chimie</i> , 2018 , 21, 628-638	2.7	169
544	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	4.5	168
543	Metabolic fingerprinting of wild type and transgenic tobacco plants by ¹ H NMR and multivariate analysis technique. <i>Phytochemistry</i> , 2004 , 65, 857-64	4	163
542	Medicinal plants of the Russian Pharmacopoeia; their history and applications. <i>Journal of Ethnopharmacology</i> , 2014 , 154, 481-536	5	158
541	Metabolomic differentiation of <i>Cannabis sativa</i> cultivars using ¹ H NMR spectroscopy and principal component analysis. <i>Journal of Natural Products</i> , 2004 , 67, 953-7	4.9	147
540	Quality control of herbal material and phytopharmaceuticals with MS and NMR based metabolic fingerprinting. <i>Planta Medica</i> , 2009 , 75, 763-75	3.1	145
539	NMR metabolomics to revisit the tobacco mosaic virus infection in <i>Nicotiana tabacum</i> leaves. <i>Journal of Natural Products</i> , 2006 , 69, 742-8	4.9	142
538	Initiation, growth and cryopreservation of plant cell suspension cultures. <i>Nature Protocols</i> , 2011 , 6, 715-728	4.8	141
537	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, 413-6	3.8	135
536	Molecular cloning and analysis of strictosidine beta-D-glucosidase, an enzyme in terpenoid indole alkaloid biosynthesis in <i>Catharanthus roseus</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 3051-6	5.4	132
535	NMR metabolomics of thrips (<i>Frankliniella occidentalis</i>) resistance in <i>Senecio</i> hybrids. <i>Journal of Chemical Ecology</i> , 2009 , 35, 219-29	2.7	131
534	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, 3371-81	7	128
533	Qualitative determination of false-positive effects in the acetylcholinesterase assay using thin layer chromatography. <i>Phytochemical Analysis</i> , 2003 , 14, 127-31	3.4	127
532	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, 469-75	5	126

531	Isopentenyl diphosphate isomerase: a core enzyme in isoprenoid biosynthesis. A review of its biochemistry and function. <i>Natural Product Reports</i> , 1997 , 14, 591-603	15.1	125
530	Metabolomics: back to basics. <i>Phytochemistry Reviews</i> , 2008 , 7, 525-537	7.7	124
529	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, 702-5	5.1	124
528	What is in a name? The need for accurate scientific nomenclature for plants. <i>Journal of Ethnopharmacology</i> , 2014 , 152, 393-402	5	121
527	Metabolic classification of South American <i>Ilex</i> species by NMR-based metabolomics. <i>Phytochemistry</i> , 2010 , 71, 773-84	4	119
526	Evaluation of a vaporizing device (Volcano) for the pulmonary administration of tetrahydrocannabinol. <i>Journal of Pharmaceutical Sciences</i> , 2006 , 95, 1308-17	3.9	119
525	A review of the medicinal potentials of plants of the genus <i>Vernonia</i> (Asteraceae). <i>Journal of Ethnopharmacology</i> , 2013 , 146, 681-723	5	116
524	Method for the extraction of the volatile compound salicylic acid from tobacco leaf material. <i>Phytochemical Analysis</i> , 2002 , 13, 45-50	3.4	116
523	Recent insights into the biosynthesis and biological activities of natural xanthenes. <i>Current Medicinal Chemistry</i> , 2010 , 17, 854-901	4.3	115
522	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	2.7	115
521	Transcript and metabolite analysis in Trincadeira cultivar reveals novel information regarding the dynamics of grape ripening. <i>BMC Plant Biology</i> , 2011 , 11, 149	5.3	113
520	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, 148-55	4.5	108
519	Effect of intrapulmonary tetrahydrocannabinol administration in humans. <i>Journal of Psychopharmacology</i> , 2008 , 22, 707-16	4.6	104
518	Metabolic fingerprinting of <i>Ephedra</i> species using ¹ H-NMR spectroscopy and principal component analysis. <i>Chemical and Pharmaceutical Bulletin</i> , 2005 , 53, 105-9	1.9	104
517	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	7.7	102
516	Extraction for metabolomics: access to the metabolome. <i>Phytochemical Analysis</i> , 2014 , 25, 291-306	3.4	101
515	Influence of Precursor Availability on Alkaloid Accumulation by Transgenic Cell Line of <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 1998 , 116, 853-7	6.6	101
514	Metabolomic analysis of methyl jasmonate treated <i>Brassica rapa</i> leaves by 2-dimensional NMR spectroscopy. <i>Phytochemistry</i> , 2006 , 67, 2503-11	4	100

513	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, 170-7	4.7	100
512	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, 315-21	5	99
511	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	9.8	98
510	Metabolomics for bioactivity assessment of natural products. <i>Phytotherapy Research</i> , 2011 , 25, 157-69	6.7	97
509	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, 1181-8	3.4	97
508	Biosynthesis of anthraquinones in cell cultures of the Rubiaceae. <i>Plant Cell, Tissue and Organ Culture</i> , 2001 , 67, 201-220	2.7	97
507	Metabolic response of tomato leaves upon different plant-pathogen interactions. <i>Phytochemical Analysis</i> , 2010 , 21, 89-94	3.4	96
506	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	7.7	96
505	VANILLA PRODUCTION: TECHNOLOGICAL, CHEMICAL, AND BIOSYNTHETIC ASPECTS. <i>Food Reviews International</i> , 2001 , 17, 119-120	5.5	94
504	Classification of <i>Ilex</i> species based on metabolomic fingerprinting using nuclear magnetic resonance and multivariate data analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 1237-45	5.7	93
503	Healthy and unhealthy plants: The effect of stress on the metabolism of Brassicaceae. <i>Environmental and Experimental Botany</i> , 2009 , 67, 23-33	5.9	88
502	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	6.9	87
501	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	2.7	87
500	Antimicrobially active alkaloids from <i>Tabernaemontana chippii</i> . <i>Journal of Natural Products</i> , 1985 , 48, 400-23	4.9	87
499	Metabolomic analysis of host plant resistance to thrips in wild and cultivated tomatoes. <i>Phytochemical Analysis</i> , 2010 , 21, 110-7	3.4	83
498	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	1.3	83
497	NMR assignments of the major cannabinoids and cannabiflavonoids isolated from flowers of <i>Cannabis sativa</i> . <i>Phytochemical Analysis</i> , 2004 , 15, 345-54	3.4	82
496	Major achievements of evidence-based traditional Chinese medicine in treating major diseases. <i>Biochemical Pharmacology</i> , 2017 , 139, 94-104	6	81

495	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	3.7	81
494	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	5.1	80
493	Evaluation of the cyclooxygenase inhibiting effects of six major cannabinoids isolated from <i>Cannabis sativa</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2011 , 34, 774-8	2.3	79
492	<i>Artemisia annua</i> as a self-reliant treatment for malaria in developing countries. <i>Journal of Ethnopharmacology</i> , 2008 , 120, 302-14	5	79
491	Metabolomic differentiation of <i>Brassica rapa</i> following herbivory by different insect instars using two-dimensional nuclear magnetic resonance spectroscopy. <i>Journal of Chemical Ecology</i> , 2006 , 32, 2417-28	2.7	79
490	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. <i>Transgenic Research</i> , 1995 , 4, 315-23	3.3	78
489	Monitoring biochemical changes during grape berry development in Portuguese cultivars by NMR spectroscopy. <i>Food Chemistry</i> , 2011 , 124, 1760-1769	8.5	77
488	NMR metabolic fingerprinting based identification of grapevine metabolites associated with downy mildew resistance. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 9599-606	5.7	76
487	Metabolic characterization of <i>Brassica rapa</i> leaves by NMR spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7936-43	5.7	76
486	Methods for the analysis of cannabinoids in biological materials: a review. <i>Phytochemical Analysis</i> , 2004 , 15, 79-94	3.4	75
485	Metabolomic analysis of <i>Strychnos nux-vomica</i> , <i>Strychnos icaja</i> and <i>Strychnos ignatii</i> extracts by 1H nuclear magnetic resonance spectrometry and multivariate analysis techniques. <i>Phytochemistry</i> , 2004 , 65, 1993-2001	4	75
484	Anti-inflammatory, antipyretic and antinociceptive activities of <i>Tabernaemontana pandacaqui</i> Poir. <i>Journal of Ethnopharmacology</i> , 2003 , 84, 31-5	5	75
483	Metabolic characterization of Palatinat German white wines according to sensory attributes, varieties, and vintages using NMR spectroscopy and multivariate data analyses. <i>Journal of Biomolecular NMR</i> , 2011 , 49, 255-66	3	74
482	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, 6902-6	7.8	74
481	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	2.5	73
480	Metabolic differentiations and classification of <i>Verbascum</i> species by NMR-based metabolomics. <i>Phytochemistry</i> , 2011 , 72, 2045-51	4	73
479	An overview of NMR-based metabolomics to identify secondary plant compounds involved in host plant resistance. <i>Phytochemistry Reviews</i> , 2011 , 10, 205-216	7.7	73
478	Proteome analysis of the medicinal plant <i>Catharanthus roseus</i> . <i>Planta</i> , 2005 , 221, 690-704	4.7	73

477	Isolation of cytochrome P-450 cDNA clones from the higher plant <i>Catharanthus roseus</i> by a PCR strategy. <i>Plant Molecular Biology</i> , 1993 , 22, 379-83	4.6	73
476	Fungal infection-induced metabolites in <i>Brassica rapa</i> . <i>Plant Science</i> , 2009 , 176, 608-615	5.3	72
475	Recent methodology in the phytochemical analysis of ginseng. <i>Phytochemical Analysis</i> , 2008 , 19, 2-16	3.4	72
474	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	3.7	71
473	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	4.7	71
472	Application of two-dimensional nuclear magnetic resonance spectroscopy to quality control of ginseng commercial products. <i>Planta Medica</i> , 2006 , 72, 364-9	3.1	71
471	Scaleup of ajmalicine production by plant cell cultures of <i>Catharanthus roseus</i> . <i>Biotechnology and Bioengineering</i> , 1993 , 41, 253-62	4.9	71
470	Metabolic profiling of the Mexican anxiolytic and sedative plant <i>Galphimia glauca</i> using nuclear magnetic resonance spectroscopy and multivariate data analysis. <i>Planta Medica</i> , 2008 , 74, 1295-301	3.1	70
469	Metabolomic response of <i>Brassica rapa</i> submitted to pre-harvest bacterial contamination. <i>Food Chemistry</i> , 2008 , 107, 362-368	8.5	70
468	Roles of chorismate mutase, isochorismate synthase and anthranilate synthase in plants. <i>Phytochemistry</i> , 1991 , 30, 377-386	4	70
467	Cyclopeptide alkaloids. <i>Natural Product Reports</i> , 1997 , 14, 75-82	15.1	69
466	Quantitative analysis of cannabinoids from <i>Cannabis sativa</i> using ¹ H-NMR. <i>Chemical and Pharmaceutical Bulletin</i> , 2004 , 52, 718-21	1.9	69
465	Biotransformation of tryptamine and secologanin into plant terpenoid indole alkaloids by transgenic yeast. <i>Applied Microbiology and Biotechnology</i> , 2001 , 56, 420-4	5.7	69
464	Plant polyketide synthases: a fascinating group of enzymes. <i>Plant Physiology and Biochemistry</i> , 2009 , 47, 167-74	5.4	68
463	Metal ion-inducing metabolite accumulation in <i>Brassica rapa</i> . <i>Journal of Plant Physiology</i> , 2008 , 165, 1429-37	3.87	68
462	Metabolic differentiation of <i>Arabidopsis</i> treated with methyl jasmonate using nuclear magnetic resonance spectroscopy. <i>Plant Science</i> , 2006 , 170, 1118-1124	5.3	68
461	Anthraquinones as phytoalexins in cell and tissue cultures of <i>Cinchona spec.</i> <i>Plant Cell Reports</i> , 1985 , 4, 241-4	5.1	68
460	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, 1345-50	4.8	65

459	Involvement of strictosidine as a defensive chemical in <i>Catharanthus roseus</i> . <i>Journal of Chemical Ecology</i> , 1996 , 22, 1355-66	2.7	64
458	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	15.1	63
457	<i>Artemisia afra</i> : A potential flagship for African medicinal plants?. <i>South African Journal of Botany</i> , 2009 , 75, 185-195	2.9	63
456	Phenolic compounds in <i>Catharanthus roseus</i> . <i>Phytochemistry Reviews</i> , 2007 , 6, 243-258	7.7	63
455	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. <i>Chemoecology</i> , 2008 , 18, 65-71	2	63
454	Naturally occurring xanthenes; latest investigations: isolation, structure elucidation and chemosystematic significance. <i>Current Medicinal Chemistry</i> , 2009 , 16, 2581-626	4.3	62
453	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	5.3	62
452	Proteomics in plant biotechnology and secondary metabolism research. <i>Phytochemical Analysis</i> , 2000 , 11, 277-287	3.4	62
451	Alkaloids of <i>Tabernaemontana eglandulosa</i> . <i>Tetrahedron</i> , 1984 , 40, 737-748	2.4	62
450	Cannabis smoke condensate III: the cannabinoid content of vaporised <i>Cannabis sativa</i> . <i>Inhalation Toxicology</i> , 2009 , 21, 1108-12	2.7	61
449	Purification and characterization of anthranilate synthase from <i>Catharanthus roseus</i> . <i>FEBS Journal</i> , 1993 , 212, 431-40		61
448	Assay of strictosidine synthase from plant cell cultures by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1989 , 176, 412-5	3.1	60
447	Identification of natural epimeric flavanone glycosides by NMR spectroscopy. <i>Food Chemistry</i> , 2009 , 116, 575-579	8.5	59
446	Strategies for the genetic modification of the medicinal plant <i>Catharanthus roseus</i> (L.) G. Don. <i>Phytochemistry Reviews</i> , 2007 , 6, 475-491	7.7	59
445	Phlorisovalerophenone synthase, a novel polyketide synthase from hop (<i>Humulus lupulus</i> L.) cones. <i>FEBS Journal</i> , 1999 , 262, 612-6		58
444	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	1.3	56
443	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	4.6	55
442	Anthraquinones in callus cultures of <i>Cinchona ledgeriana</i> . <i>Phytochemistry</i> , 1984 , 23, 2307-2311	4	55

441	The perspectives of natural deep eutectic solvents in agri-food sector. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 60, 2564-2592	11.5	54
440	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	2.9	53
439	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, 461-8	4.9	53
438	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	4	52
437	Adenosine A1 receptor binding activity of methoxy flavonoids from <i>Orthosiphon stamineus</i> . <i>Planta Medica</i> , 2009 , 75, 132-6	3.1	52
436	PKS activities and biosynthesis of cannabinoids and flavonoids in <i>Cannabis sativa</i> L. plants. <i>Plant and Cell Physiology</i> , 2008 , 49, 1767-82	4.9	52
435	Secondary metabolism in tobacco. <i>Plant Cell, Tissue and Organ Culture</i> , 2002 , 68, 105-125	2.7	52
434	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	3.8	52
433	Extreme differences in pyrrolizidine alkaloid levels between leaves of <i>Cynoglossum officinale</i> . <i>Phytochemistry</i> , 1994 , 37, 1013-1016	4	52
432	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	8.5	51
431	Regulation and enzymology of pentacyclic triterpenoid phytoalexin biosynthesis in cell suspension cultures of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1989 , 28, 2981-2988	4	51
430	Metabolomics: a tool for anticancer lead-finding from natural products. <i>Planta Medica</i> , 2010 , 76, 1094-1097	9.2	50
429	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	5.4	50
428	Biosynthesis of salicylic acid in fungus elicited <i>Catharanthus roseus</i> cells. <i>Phytochemistry</i> , 2009 , 70, 532-9	4	49
427	Role of vacuolar transporter proteins in plant secondary metabolism: <i>Catharanthus roseus</i> cell culture. <i>Phytochemistry Reviews</i> , 2007 , 6, 383-396	7.7	49
426	Vanilla curing under laboratory conditions. <i>Food Chemistry</i> , 2002 , 79, 165-171	8.5	49
425	Determining acetylcholinesterase inhibitory activity in plant extracts using a fluorimetric flow assay. <i>Phytochemical Analysis</i> , 2003 , 14, 145-9	3.4	49
424	Comparing metabolomes: the chemical consequences of hybridization in plants. <i>New Phytologist</i> , 2005 , 167, 613-22	9.8	49

4 ²³	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, 230-5	5	48
4 ²²	4-Hydroxy-2-pyrone formation by chalcone and stilbene synthase with nonphysiological substrates. <i>Phytochemistry</i> , 1998 , 49, 1945-51	4	48
4 ²¹	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, 1804-9	2.3	48
4 ²⁰	Antimicrobially active alkaloids from <i>Tabernaemontana pachysiphon</i> . <i>Phytochemistry</i> , 1984 , 23, 1771-1778	4	48
4 ¹⁹	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, 158-61	1.9	47
4 ¹⁸	Effect of precursor feeding on alkaloid accumulation by a strictosidine synthase over-expressing transgenic cell line S1 of <i>Catharanthus roseus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2002 , 69, 85-93	2.7	47
4 ¹⁷	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, 42-7	5.7	47
4 ¹⁶	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> , 2018 , 1532, 198-207	4.5	46
4 ¹⁵	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	5.1	46
4 ¹⁴	Seleção de plantas com atividade anticolinesterase para tratamento da doença de Alzheimer. <i>Quimica Nova</i> , 2003 , 26, 301-304	1.6	46
4 ¹³	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	4.5	46
4 ¹²	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	4.5	46
4 ¹¹	Metabolic fingerprinting of Tomato Mosaic Virus infected <i>Solanum lycopersicum</i> . <i>Journal of Plant Physiology</i> , 2012 , 169, 1586-96	3.6	45
4 ¹⁰	Metabolomic alterations in elicitor treated <i>Silybum marianum</i> suspension cultures monitored by nuclear magnetic resonance spectroscopy. <i>Journal of Biotechnology</i> , 2007 , 130, 133-42	3.7	45
4 ⁰⁹	Biosynthesis of anthraquinones in cell cultures of <i>Cinchona 'Robusta'</i> proceeds via the methylerythritol 4-phosphate pathway. <i>Phytochemistry</i> , 2002 , 59, 45-55	4	45
4 ⁰⁸	The application of HPLC with on-line coupled UV/MS-biochemical detection for isolation of an acetylcholinesterase inhibitor from narcissus 'Sir Winston Churchill'. <i>Journal of Natural Products</i> , 2000 , 63, 803-6	4.9	45
4 ⁰⁷	Purification and cDNA cloning of isochorismate synthase from elicited cell cultures of <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 1999 , 119, 705-12	6.6	45
4 ⁰⁶	Assay of tryptophan decarboxylase from <i>Catharanthus roseus</i> plant cell cultures by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1987 , 165, 133-6	3.1	45

405	Purification and characterisation of strictosidine β -glucosidase from <i>Catharanthus roseus</i> cell suspension cultures. <i>Plant Physiology and Biochemistry</i> , 1998 , 36, 419-425	5.4	44
404	Alkaloid accumulation in <i>Catharanthus roseus</i> cell suspension cultures fed with stemmadenine. <i>Biotechnology Letters</i> , 2004 , 26, 793-8	3	44
403	Effect of phytohormones on growth and alkaloid accumulation by a <i>Catharanthus roseus</i> cell suspension cultures fed with alkaloid precursors tryptamine and loganin. <i>Plant Cell, Tissue and Organ Culture</i> , 2002 , 68, 265-270	2.7	44
402	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	4.5	44
401	Elicitation studies in cell suspension cultures of <i>Cannabis sativa</i> L. <i>Journal of Biotechnology</i> , 2009 , 143, 157-68	3.7	43
400	In-vitro prenylation of aromatic intermediates in the biosynthesis of bitter acids in <i>humulus lupulus</i> . <i>Phytochemistry</i> , 1998 , 49, 2315-2322	4	43
399	Application of two-dimensional J-resolved nuclear magnetic resonance spectroscopy to differentiation of beer. <i>Analytica Chimica Acta</i> , 2006 , 559, 264-270	6.6	43
398	Isolation of a bronchodilator flavonoid from the Thai medicinal plant <i>Clerodendrum petasites</i> . <i>Journal of Ethnopharmacology</i> , 2001 , 78, 45-9	5	43
397	Harpagoside: from Kalahari Desert to pharmacy shelf. <i>Phytochemistry</i> , 2013 , 92, 8-15	4	42
396	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, 765-74	4.6	42
395	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	3.2	42
394	Medicinal plants of Surinam. IV. Antimicrobial activity of some medicinal plants. <i>Journal of Ethnopharmacology</i> , 1987 , 21, 315-8	5	42
393	High-speed liquid chromatography of alkaloids. I. <i>Journal of Chromatography A</i> , 1974 , 100, 227-30	4.5	42
392	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	4.9	41
391	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, 4245-51	4.5	41
390	Long-term instability of alkaloid production by stably transformed cell lines of <i>Catharanthus roseus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2003 , 74, 73-80	2.7	41
389	Metabolic changes in different developmental stages of <i>Vanilla planifolia</i> pods. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 7651-8	5.7	40
388	Analysis of metabolic variation and galanthamine content in <i>Narcissus</i> bulbs by ^1H NMR. <i>Phytochemical Analysis</i> , 2010 , 21, 66-72	3.4	40

387	Liquid chromatography-diode array detection-electrospray ionisation mass spectrometry/nuclear magnetic resonance analyses of the anti-hyperglycemic flavonoid extract of <i>Genista tenera</i> . Structure elucidation of a flavonoid-C-glycoside. <i>Journal of Chromatography A</i> , 2005 , 1089, 59-64	4.5	40
386	Formation of aromatic intermediates in the biosynthesis of bitter acids in <i>Humulus lupulus</i> . <i>Phytochemistry</i> , 1995 , 38, 77-82	4	40
385	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, 188-91	5.1	40
384	Screening of antimicrobial activity of some plants belonging to the Apocynaceae and Loganiaceae. <i>Journal of Ethnopharmacology</i> , 1983 , 8, 287-302	5	40
383	Solvent derived artifacts in natural products chemistry. <i>Natural Product Communications</i> , 2009 , 4, 447-540.9		40
382	Alterations in grapevine leaf metabolism upon inoculation with <i>Plasmopara viticola</i> in different time-points. <i>Plant Science</i> , 2012 , 191-192, 100-7	5.3	39
381	Quantitative analysis of strychnine and Brucine in <i>Strychnos nux-vomica</i> using 1H-NMR. <i>Planta Medica</i> , 2003 , 69, 1169-71	3.1	39
380	Robustaquinones, novel anthraquinones from an elicited <i>Cinchona robusta</i> suspension culture. <i>Phytochemistry</i> , 1999 , 51, 55-60	4	39
379	Search for Factors Related to the Indole Alkaloid Production in Cell Suspension Cultures of <i>Tabernaemontana divaricata</i> . <i>Planta Medica</i> , 1992 , 58, 245-9	3.1	39
378	The Ethnopharmacologic Contribution to Bioprospecting Natural Products. <i>Annual Review of Pharmacology and Toxicology</i> , 2018 , 58, 509-530	17.9	38
377	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	4.7	38
376	Structure elucidation of the tetrahydrocannabinol complex with randomly methylated beta-cyclodextrin. <i>European Journal of Pharmaceutical Sciences</i> , 2006 , 29, 340-7	5.1	38
375	Cannabis tea revisited: a systematic evaluation of the cannabinoid composition of cannabis tea. <i>Journal of Ethnopharmacology</i> , 2007 , 113, 85-90	5	38
374	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	5.3	38
373	Developmental effects of cannabinoids on zebrafish larvae. <i>Zebrafish</i> , 2013 , 10, 283-93	2	37
372	Seasonal accumulation of major alkaloids in organs of pharmaceutical crop <i>Narcissus Carlton</i> . <i>Phytochemistry</i> , 2013 , 88, 43-53	4	37
371	Salicylic acid biosynthesis. <i>New Comprehensive Biochemistry</i> , 1999 , 295-312		37
370	Indole alkaloids from <i>Rauwolfia sellowii</i> . <i>Phytochemistry</i> , 1996 , 41, 969-973	4	37

369	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	4.9	37
368	Traditional Mediterranean and European herbal medicines. <i>Journal of Ethnopharmacology</i> , 2017 , 199, 161-167	5	36
367	Effects of processing adjuvants on traditional Chinese herbs. <i>Journal of Food and Drug Analysis</i> , 2018 , 26, S96-S114	7	36
366	A qualitative and quantitative HPTLC densitometry method for the analysis of cannabinoids in <i>Cannabis sativa</i> L. <i>Phytochemical Analysis</i> , 2009 , 20, 421-6	3.4	36
365	Commentary: "A systems view on the future of medicine: inspiration from Chinese medicine?". <i>Journal of Ethnopharmacology</i> , 2009 , 121, 479-81	5	36
364	Chorismate derived C6C1 compounds in plants. <i>Planta</i> , 2005 , 222, 1-5	4.7	36
363	Induced responses in three alkaloid-containing plant species. <i>Oecologia</i> , 1993 , 95, 425-430	2.9	36
362	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, 201-7	1.9	35
361	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	4.5	35
360	Tracheospasmodic activity of viteosin-A and vitexicarpin isolated from <i>Vitex trifolia</i> . <i>Planta Medica</i> , 2002 , 68, 1047-9	3.1	35
359	Luteolin, a compound with adenosine A(1) receptor-binding activity, and chromone and dihydronaphthalenone constituents from <i>Senna siamea</i> . <i>Journal of Natural Products</i> , 2000 , 63, 315-7	4.9	35
358	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	2.7	35
357	Comparative proteomics of <i>Cannabis sativa</i> plant tissues. <i>Journal of Biomolecular Techniques</i> , 2004 , 15, 97-106	1.1	35
356	Metabolomics for the rapid dereplication of bioactive compounds from natural sources. <i>Phytochemistry Reviews</i> , 2013 , 12, 293-304	7.7	34
355	Decarboxylation of Δ^9 -tetrahydrocannabinol: Kinetics and molecular modeling. <i>Journal of Molecular Structure</i> , 2011 , 987, 67-73	3.4	34
354	Quantitative analysis of ginkgolic acids from Ginkgo leaves and products using $^1\text{H-NMR}$. <i>Phytochemical Analysis</i> , 2004 , 15, 325-30	3.4	34
353	Alkaloids of <i>Strychnos johnsonii</i> . <i>Phytochemistry</i> , 1987 , 26, 2839-2846	4	34
352	Traditional processing strongly affects metabolite composition by hydrolysis in <i>Rehmannia glutinosa</i> roots. <i>Chemical and Pharmaceutical Bulletin</i> , 2011 , 59, 546-52	1.9	33

351	Chapter 3 Biosynthesis of Terpenoid Indole Alkaloids in <i>Catharanthus roseus</i> Cells. <i>Alkaloids: Chemistry and Pharmacology</i> , 1997 , 49, 221-299		33
350	Methyljasmonate accelerates catabolism of monoterpenoid indole alkaloids in <i>Catharanthus roseus</i> during leaf processing. <i>Phytochemistry</i> , 2005 , 76, 83-90	3.2	33
349	Purification and characterization of strictosidine synthase from a suspension culture of <i>Cinchona robusta</i> . <i>Phytochemistry</i> , 1993 , 33, 99-106	4	33
348	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	2.7	33
347	Some New Vallesamine-Type Alkaloids. <i>Journal of Natural Products</i> , 1987 , 50, 714-720	4.9	33
346	Natural Deep Eutectic Solvent Extraction of Flavonoids of as a Replacement for Conventional Organic Solvents. <i>Molecules</i> , 2020 , 25,	4.8	32
345	Perturbation of polyamine catabolism affects grape ripening of <i>Vitis vinifera</i> cv. Trincadeira. <i>Plant Physiology and Biochemistry</i> , 2014 , 74, 141-55	5.4	32
344	Cannabis smoke condensate II: influence of tobacco on tetrahydrocannabinol levels. <i>Inhalation Toxicology</i> , 2009 , 21, 87-90	2.7	32
343	Quantitative analysis of ephedrine analogues from ephedra species using 1H-NMR. <i>Chemical and Pharmaceutical Bulletin</i> , 2003 , 51, 1382-5	1.9	32
342	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	2.7	32
341	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	4	31
340	Effects of alkaloid precursor feeding on a <i>Camptotheca acuminata</i> cell line. <i>Plant Physiology and Biochemistry</i> , 2002 , 40, 749-753	5.4	31
339	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	3.8	31
338	Bioactive constituents of <i>Leptadenia arborea</i> . <i>Phytochemistry</i> , 2003 , 74, 184-7	3.2	31
337	Olivetol as product of a polyketide synthase in <i>Cannabis sativa</i> L. <i>Plant Science</i> , 2004 , 166, 381-385	5.3	31
336	Ajmalicine metabolism in <i>Catharanthus roseus</i> cell cultures. <i>Phytochemistry</i> , 1994 , 35, 677-681	4	30
335	Anthraquinones in callus cultures of <i>Cinchona pubescens</i> . <i>Phytochemistry</i> , 1986 , 25, 1123-1126	4	30
334	Screening of selected Asian spices for anti obesity-related bioactivities. <i>Food Chemistry</i> , 2011 , 126, 1724-1735	4.5	29

333	The content of artemisinin in the <i>Artemisia annua</i> tea infusion. <i>Planta Medica</i> , 2011 , 77, 1754-6	3.1	29
332	Metabolic changes of salicylic acid-elicited <i>Catharanthus roseus</i> cell suspension cultures monitored by NMR-based metabolomics. <i>Biotechnology Letters</i> , 2009 , 31, 1967-74	3	29
331	Preparative separation of bitter acids from hop extracts by centrifugal partition chromatography. <i>Journal of Chromatography A</i> , 1997 , 771, 71-79	4.5	29
330	Distribution of ginkgolides and terpenoid biosynthetic activity in <i>Ginkgo biloba</i> . <i>Phytochemistry</i> , 1998 , 48, 89-92	4	29
329	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	5.3	29
328	Aromatic chemical shifts in ar-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		29
327	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, 10242-60	4.8	28
326	Comparative quantitative analysis of artemisinin by chromatography and qNMR. <i>Phytochemical Analysis</i> , 2010 , 21, 451-6	3.4	28
325	Cyclopeptide alkaloids. <i>Phytochemistry Reviews</i> , 2007 , 6, 143-165	7.7	28
324	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, 287-98	4.1	28
323	Liquid chromatography coupled with mass spectrometry in the analysis of alkaloids. <i>Phytochemical Analysis</i> , 1994 , 5, 217-232	3.4	28
322	Assay of isochorismate synthase from plant cell cultures by high-performance liquid chromatography. <i>Phytochemistry</i> , 1991 , 30, 2873-2876	4	28
321	Natural Deep Eutectic Solvents as Multifunctional Media for the Valorization of Agricultural Wastes. <i>ChemSusChem</i> , 2019 , 12, 1310-1315	8.3	27
320	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	5.9	27
319	Quantitative analysis of amygdalin and prunasin in <i>Prunus serotina</i> Ehrh. using (1) H-NMR spectroscopy. <i>Phytochemical Analysis</i> , 2014 , 25, 122-6	3.4	27
318	Phytochemicals as a potential source for TNF- α inhibitors. <i>Phytochemistry Reviews</i> , 2013 , 12, 65-93	7.7	27
317	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	5.4	27
316	An improved NMR method for the quantification of alpha-acids in hops and hop products. <i>Phytochemical Analysis</i> , 2001 , 12, 53-7	3.4	27

315	Developmental Regulation of Alkaloid Production in Cinchona Seedlings. <i>Journal of Plant Physiology</i> , 1990 , 136, 86-91	3.6	27
314	Toxicity, antimicrobial and anthelmintic activities of <i>Vernonia guineensis</i> Benth. (Asteraceae) crude extracts. <i>Journal of Ethnopharmacology</i> , 2012 , 144, 700-4	5	26
313	Effect of benzothiadiazole on the metabolome of <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2009 , 47, 146-52	5.4	26
312	Purification and characterization of two isoforms of isopentenyl-diphosphate isomerase from elicitor-treated <i>Cinchona robusta</i> cells. <i>FEBS Journal</i> , 1997 , 249, 161-70		26
311	Comparison of extraction methods for secologanin and the quantitative analysis of secologanin from <i>Symphoricarpos albus</i> using 1H-NMR. <i>Phytochemical Analysis</i> , 2004 , 15, 257-61	3.4	26
310	beta-Glucosidase and peroxidase stability in crude enzyme extracts from green beans of <i>Vanilla planifolia</i> Andrews. <i>Phytochemical Analysis</i> , 2001 , 12, 174-9	3.4	26
309	Control and biological implications of alkaloid synthesis in <i>Cinchona</i> seedlings. <i>Phytochemistry</i> , 1991 , 30, 3571-3577	4	26
308	Complete proton and 13C NMR spectral assignments of pentalongin. <i>Magnetic Resonance in Chemistry</i> , 1993 , 31, 329-330	2.1	26
307	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, 571-4	5.1	26
306	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	5	26
305	The African <i>Strychnos</i> species and their alkaloids: a review. <i>Journal of Ethnopharmacology</i> , 1983 , 9, 167-223		26
304	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	1.4	25
303	The inoculum size triggers tryptamine or secologanin biosynthesis in a <i>Catharanthus roseus</i> cell culture. <i>Plant Science</i> , 1998 , 139, 205-211	5.3	25
302	Galanthindole: a new indole alkaloid from <i>Galanthus plicatus</i> ssp. <i>byzantinus</i> . <i>Planta Medica</i> , 2003 , 69, 869-71	3.1	25
301	Cloning and over-expression of a cDNA encoding a polyketide synthase from <i>Cannabis sativa</i> . <i>Plant Physiology and Biochemistry</i> , 2004 , 42, 291-7	5.4	25
300	Activity of the cytochrome P450 enzyme geraniol 10-hydroxylase and alkaloid production in plant cell cultures. <i>Plant Science</i> , 2002 , 162, 165-172	5.3	25
299	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	2.7	25
298	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	2.7	25

297	Tryptophan decarboxylase from <i>Catharanthus roseus</i> is a pyridoxoquinoprotein. <i>FEBS Letters</i> , 1989 , 255, 97-100	3.8	25
296	Indole alkaloids from a callus culture of <i>Tabernaemontana elegans</i> . <i>Phytochemistry</i> , 1986 , 25, 843-846	4	25
295	Induction of triterpene biosynthesis by elicitors in suspension cultures of <i>Tabernaemontana</i> species. <i>Plant Cell Reports</i> , 1988 , 7, 51-4	5.1	25
294	High-performance liquid chromatography of some tropane alkaloids. <i>Journal of Chromatography A</i> , 1976 , 120, 203-5	4.5	25
293	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	2.7	24
292	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	4	24
291	Cytotoxic sesquiterpene lactones from the leaves of <i>Vernonia guineensis</i> Benth. (Asteraceae). <i>Journal of Ethnopharmacology</i> , 2013 , 146, 552-6	5	24
290	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, 3155-61	5.7	24
289	Metabolic changes in <i>Agrobacterium tumefaciens</i> -infected <i>Brassica rapa</i> . <i>Journal of Plant Physiology</i> , 2009 , 166, 1005-14	3.6	24
288	NMR metabolomic analysis of fecal water from subjects on a vegetarian diet. <i>Biological and Pharmaceutical Bulletin</i> , 2008 , 31, 1192-8	2.3	24
287	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	5.4	24
286	Interference of linoleic acid fraction in some receptor binding assays. <i>Journal of Natural Products</i> , 1999 , 62, 912-4	4.9	24
285	Taxol Analysis by High Performance Liquid Chromatography: A Review. <i>Phytochemical Analysis</i> , 1996 , 7, 169-184	3.4	24
284	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 ³	3	24
283	Plant cell biotechnology for the production of secondary metabolites. <i>Pure and Applied Chemistry</i> , 1994 , 66, 2307-2310	2.1	24
282	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, 1955-64	2.7	24
281	Alkaloids of stem and root bark of <i>Tabernaemontana dichotoma</i> . <i>Phytochemistry</i> , 1985 , 24, 2097-2104	4	24
280	Carbon-13 n.m.r. spectroscopy of some <i>Strychnos</i> alkaloids. <i>Magnetic Resonance in Chemistry</i> , 1977 , 9, 567-571		24

279	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	2.7	23
278	Comprehensive review on herbal medicine for energy intake suppression. <i>Obesity Reviews</i> , 2011 , 12, 499-514	10.6	23
277	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, 1725-30	3.1	23
276	Biological variation of <i>Vanilla planifolia</i> leaf metabolome. <i>Phytochemistry</i> , 2010 , 71, 567-73	4	23
275	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	2	23
274	Activity of quinones from teak (<i>Tectona grandis</i>) on fungal cell wall stress. <i>Planta Medica</i> , 2006 , 72, 943-4	3.1	23
273	Rapid Method for Determination of Galanthamine in Amaryllidaceae Plants Using HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003 , 26, 3217-3233	1.3	23
272	Isochorismate synthase isoforms from elicited cell cultures of <i>Rubia tinctorum</i> . <i>Phytochemistry</i> , 1999 , 51, 263-269	4	23
271	Analysis of Proposed Aromatic Precursors of Hop Bitter Acids. <i>Journal of Natural Products</i> , 1994 , 57, 452-459	4.9	23
270	Identification of Tabernaemontana alkaloids by means of thin-layer chromatography and chromogenic reactions. <i>Journal of Chromatography A</i> , 1984 , 298, 289-307	4.5	23
269	Incorporation of an invasive plant into a native insect herbivore food web. <i>PeerJ</i> , 2016 , 4, e1954	3.1	23
268	Pre-analytical method for NMR-based grape metabolic fingerprinting and chemometrics. <i>Analytica Chimica Acta</i> , 2011 , 703, 179-86	6.6	22
267	Isolation of acetylcholinesterase inhibitory alkaloids from <i>Nerine bowdenii</i> . <i>Natural Product Research</i> , 2010 , 24, 222-5	2.3	22
266	Analysis of several iridoid and indole precursors of terpenoid indole alkaloids with a single HPLC run. <i>Planta Medica</i> , 1996 , 62, 278-80	3.1	22
265	Conversion of deoxyhumulone into the hop acid humulone. <i>Phytochemistry</i> , 1997 , 44, 1047-1053	4	22
264	Antioxidant lignan glucosides from <i>Strychnos vanprukii</i> . <i>Phytotherapy Research</i> , 2004 , 75, 623-8	3.2	22
263	Effects of alkaloid precursor feeding and elicitation on the accumulation of secologanin in a <i>Catharanthus roseus</i> cell suspension culture. <i>Plant Cell, Tissue and Organ Culture</i> , 1999 , 56, 111-119	2.7	22
262	The distribution of strictosidine-synthase activity and alkaloids in <i>Cinchona</i> plants. <i>Planta</i> , 1991 , 183, 536-41	4.7	22

261	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	2.5	22
260	Tertiary indole alkaloids from fruits of <i>Tabernaemontana dichotoma</i> . <i>Planta Medica</i> , 1984 , 50, 251-3	3.1	22
259	Alkaloids of <i>Uncaria attenuata</i> from Thailand. <i>Phytochemistry</i> , 1980 , 19, 2013-2016	4	22
258	Differential tissue distribution of metabolites in <i>Jacobaea vulgaris</i> , <i>Jacobaea aquatica</i> and their crosses. <i>Phytochemistry</i> , 2012 , 78, 89-97	4	21
257	Zebrafish as a model for systems biology. <i>Biotechnology and Genetic Engineering Reviews</i> , 2013 , 29, 187-205	4	21
256	Improved accumulation of ajmalicine and tetrahydroalstonine in <i>Catharanthus</i> cells expressing an ABC transporter. <i>Journal of Plant Physiology</i> , 2009 , 166, 1405-12	3.6	21
255	Terpenoid indole alkaloid profile changes in <i>Catharanthus pusillus</i> during development. <i>Plant Science</i> , 2001 , 160, 971-977	5.3	21
254	Terpenoid indole alkaloid biosynthesis and enzyme activities in two cell lines of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1995 , 39, 341-349	4	21
253	Preparative separation and isolation of three bitter acids from hop, <i>Humulus lupulus</i> L., by centrifugal partition chromatography. <i>Journal of Chromatography A</i> , 1994 , 664, 45-53	4.5	21
252	Alkaloids from roots of <i>Strychnos matopensis</i> . <i>Phytochemistry</i> , 1988 , 27, 3293-3304	4	21
251	Thin-layer chromatographic separation of cinchona alkaloids. <i>Journal of Chromatography A</i> , 1980 , 184, 79-96	4.5	21
250	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> , 2018 , 4214, 10-6	3.2	20
249	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, 964-74	5	20
248	Alkaloids and a pimarane diterpenoid from <i>Strychnos vanprukii</i> . <i>Phytochemistry</i> , 2003 , 64, 897-901	4	20
247	Carboline glucoalkaloids from <i>Strychnos mellodora</i> . <i>Phytochemistry</i> , 1999 , 51, 1171-1176	4	20
246	Hippocratic screening of ethanolic extracts from two <i>Tabernaemontana</i> species. <i>Journal of Ethnopharmacology</i> , 1989 , 27, 99-106	5	20
245	Vanilla flavor production methods: A review. <i>Industrial Crops and Products</i> , 2018 , 125, 433-442	5.9	20
244	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	5	19

243	Antistaphylococcal Prenylated Acylphoroglucinol and Xanthenes from <i>Kielmeyera variabilis</i> . <i>Journal of Natural Products</i> , 2016 , 79, 470-6	4.9	19
242	Metabolic characterization of <i>Withania somnifera</i> from different regions of India using NMR spectroscopy. <i>Planta Medica</i> , 2011 , 77, 1958-64	3.1	19
241	Metabolic fingerprinting by ¹ HNMR for discrimination of the two species used as <i>Radix Bupleuri</i> . <i>Planta Medica</i> , 2012 , 78, 926-33	3.1	19
240	Genetic modification of plant secondary metabolite pathways using transcriptional regulators. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2001 , 72, 103-25	1.7	19
239	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	4.5	19
238	Alkaloid metabolism in <i>Tabernaemontana divaricata</i> cell suspension cultures. <i>Phytochemistry</i> , 1993 , 32, 325-329	4	19
237	Comparison of terpenoid indole alkaloid production and degradation in two cell lines of <i>Tabernaemontana divaricata</i> . <i>Plant Cell Reports</i> , 1993 , 13, 95-8	5.1	19
236	Tertiary indole alkaloids from leaves of <i>Tabernaemontana dichotoma</i> . <i>Planta Medica</i> , 1983 , 47, 148-50	3.1	19
235	Tacamine, the first example of a new class of indole alkaloids. <i>Tetrahedron Letters</i> , 1982 , 23, 4827-4830	2	19
234	High-speed liquid chromatography of alkaloids. II. <i>Journal of Chromatography A</i> , 1974 , 100, 231-2	4.5	19
233	NMR metabolomics for identification of adenosine A1 receptor binding compounds from <i>Boesenbergia rotunda</i> rhizomes extract. <i>Journal of Ethnopharmacology</i> , 2013 , 150, 95-9	5	18
232	Effect of acute stresses on zebra fish (<i>Danio rerio</i>) metabolome measured by NMR-based metabolomics. <i>Planta Medica</i> , 2014 , 80, 1227-33	3.1	18
231	Terpenoid indole alkaloid biotransformation capacity of suspension cultures of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1994 , 35, 671-676	4	18
230	Allelopathic inhibition of seed germination by <i>Cinchona</i> alkaloids?. <i>Phytochemistry</i> , 1991 , 30, 2947-2951	4	18
229	Assay of chalcone synthase activity by high-performance liquid chromatography. <i>Phytochemistry</i> , 1993 , 34, 1225-1229	4	18
228	Pharmacognostical studies of <i>Tabernaemontana</i> species. XX. Ion-pair droplet counter-current chromatography of indole alkaloids from suspension cultures. <i>Journal of Chromatography A</i> , 1987 , 396, 410-5	4.5	18
227	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	4.2	18
226	Alkaloids of <i>Strychnos dolichothyrsa</i> Gilg ex Onochie et Hepper. <i>Journal of Pharmaceutical Sciences</i> , 1978 , 67, 171-4	3.9	18

225	Extending pharmacological dose-response curves for salsalate with natural deep eutectic solvents. <i>RSC Advances</i> , 2015 , 5, 61398-61401	3-7	17
224	Identification of bioactive metabolites against adenosine A1 receptor using NMR-based metabolomics. <i>Metabolomics</i> , 2013 , 9, 778-785	4-7	17
223	Application of SPE for the HPLC analysis of taxanes from <i>Taxus</i> cell cultures. <i>Chromatographia</i> , 1998 , 47, 25-34	2-1	17
222	Isopentenyl diphosphate isomerase and prenyltransferase activities in rubiaceous and apocynaceous cultures. <i>Phytochemistry</i> , 1998 , 48, 961-969	4	17
221	Neuropharmacological activities of the crude alkaloidal fraction from stems of <i>Tabernaemontana pandacaqui</i> Poir. <i>Journal of Ethnopharmacology</i> , 1998 , 62, 229-34	5	17
220	Organogenic nodule development in hop (<i>Humulus lupulus</i> L.): transcript and metabolic responses. <i>BMC Genomics</i> , 2008 , 9, 445	4-5	17
219	Cannabis smoke condensate I: the effect of different preparation methods on tetrahydrocannabinol levels. <i>Inhalation Toxicology</i> , 2008 , 20, 801-4	2-7	17
218	Improved anthraquinone accumulation in cell cultures of <i>Cinchona</i> 'Robusta' by feeding of biosynthetic precursors and inhibitors. <i>Biotechnology Letters</i> , 2002 , 24, 705-710	3	17
217	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, 53-9	4-9	17
216	Alkaloid Production in Relation to Differentiation in Cell and Tissue Cultures of <i>Tabernaemontana pandacaqui</i> . <i>Planta Medica</i> , 1991 , 57, 543-7	3-1	17
215	Chapter 1 Plant Biotechnology for the Production of Alkaloids: Present Status and Prospects. <i>Alkaloids: Chemistry and Pharmacology</i> , 1991 , 40, 1-187		17
214	Tertiary indole alkaloids of <i>Tabernaemontana dichotoma</i> seeds. <i>Planta Medica</i> , 1983 , 49, 28-31	3-1	17
213	Isolation and synthesis of vobparicine, a novel type dimeric indole alkaloid. <i>Tetrahedron Letters</i> , 1984 , 25, 2057-2060	2	17
212	Flavonoids from <i>Elaeodendron balae</i> root bark. <i>Phytochemistry</i> , 1985 , 24, 2093-2095	4	17
211	Antiplasmodial activity of sesquiterpene lactones and a sucrose ester from <i>Vernonia guineensis</i> Benth. (Asteraceae). <i>Journal of Ethnopharmacology</i> , 2013 , 147, 618-21	5	16
210	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	4-7	16
209	Vitamin K1 accumulation in tobacco plants overexpressing bacterial genes involved in the biosynthesis of salicylic acid. <i>Journal of Biotechnology</i> , 2007 , 128, 72-9	3-7	16
208	Purification and partial characterisation of geranylgeranyl diphosphate synthase, from <i>Taxus baccata</i> cell cultures. An enzyme that regulates taxane biosynthesis. <i>Plant Science</i> , 2000 , 153, 97-105	5-3	16

207	Accumulation of loganin and secologanin in vacuoles from suspension cultured <i>Catharanthus roseus</i> cells. <i>Plant Science</i> , 1999 , 147, 177-183	5.3	16
206	High-performance liquid chromatographic assay of anthranilate synthase from plant cell cultures. <i>Journal of Chromatography A</i> , 1991 , 547, 155-160	4.5	16
205	Purification of tryptophan decarboxylase from a <i>Catharanthus roseus</i> cell suspension culture. <i>Journal of Chromatography A</i> , 1989 , 483, 311-318	4.5	16
204	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	2.7	16
203	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, 1099-111	2.7	16
202	Muscle relaxant activity and hypotensive activity of some <i>Tabernaemontana</i> alkaloids. <i>Journal of Ethnopharmacology</i> , 1985 , 13, 165-73	5	16
201	Historical and traditional medical applications of <i>Carlina acaulis</i> L. - A critical ethnopharmacological review. <i>Journal of Ethnopharmacology</i> , 2019 , 239, 111842	5	15
200	Metabolic alteration of cell suspension cultures overexpressing in the plastids or cytosol. <i>Plant Cell, Tissue and Organ Culture</i> , 2018 , 134, 41-53	2.7	15
199	Toxicity of pyrrolizidine alkaloids to <i>Spodoptera exigua</i> using insect cell lines and injection bioassays. <i>Journal of Chemical Ecology</i> , 2014 , 40, 609-16	2.7	15
198	Metabolic analysis of elicited cell suspension cultures of <i>Cannabis sativa</i> L. by (1)H-NMR spectroscopy. <i>Biotechnology Letters</i> , 2010 , 32, 935-41	3	15
197	Isolation of individual hop iso- α -acids stereoisomers by β -cyclodextrin. <i>Food Chemistry</i> , 2010 , 119, 354-357	8.5	15
196	Pre-analytical method for metabolic profiling of plant cell cultures of <i>Passiflora garckeii</i> . <i>Biotechnology Letters</i> , 2008 , 30, 2031-6	3	15
195	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	5.3	15
194	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	2.7	15
193	Nitrogen metabolism in cultures of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1991 , 30, 3951-3954	4	15
192	<i>Meconopsis cambrica</i> Alkaloids. <i>Journal of Natural Products</i> , 1981 , 44, 67-74	4.9	15
191	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	5	14
190	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	3.8	14

189	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	2.7	14
188	Intra- and extracellular carbohydrates in plant cell cultures investigated by (1)H-NMR. <i>Plant Cell Reports</i> , 1991 , 9, 527-30	5.1	14
187	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	4.5	14
186	New indole alkaloids of <i>Strychnos dale</i> and <i>Strychnos elaeocarpa</i> . <i>Planta Medica</i> , 1978 , 34, 264-73	3.1	14
185	Natural deep eutectic characteristics of honey improve the bioactivity and safety of traditional medicines. <i>Journal of Ethnopharmacology</i> , 2020 , 250, 112460	5	14
184	Fungal endophytes of <i>Vanilla planifolia</i> across Réunion Island: isolation, distribution and biotransformation. <i>BMC Plant Biology</i> , 2015 , 15, 142	5.3	13
183	NMR-based metabolomics: a probe to utilize biodiversity. <i>Methods in Molecular Biology</i> , 2013 , 1055, 117-27	2.7	13
182	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, 581-4	14.4	13
181	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	2.7	13
180	Phenolic constituents of <i>Gnaphalium uliginosum</i> L.. <i>Phytochemistry Letters</i> , 2010 , 3, 45-47	1.9	13
179	NMR assignment of iso-alpha-acids from isomerised extracts of <i>Humulus lupulus</i> L. cones. <i>Phytochemical Analysis</i> , 2007 , 18, 371-7	3.4	13
178	Quantitative analysis of retinol and retinol palmitate in vitamin tablets using 1H-nuclear magnetic resonance spectroscopy. <i>Analytica Chimica Acta</i> , 2004 , 512, 141-147	6.6	13
177	Genetic transformation via particle bombardment of <i>Catharanthus roseus</i> plants through adventitious organogenesis of buds. <i>Biotechnology Letters</i> , 1999 , 21, 997-1002	3	13
176	Glucosylation of ethanol in <i>Ilex paraguariensis</i> cell suspension cultures. <i>Plant Cell Reports</i> , 1999 , 18, 509-513	5.13	13
175	Trifluoroacetic acid, A 1H-NMR shift reagent for alkaloids. <i>Tetrahedron Letters</i> , 1986 , 27, 2523-2526	2	13
174	Screening of some Somalian medicinal plants for antimicrobial activity. <i>Journal of Ethnopharmacology</i> , 1986 , 17, 283-8	5	13
173	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, 415-21	4.9	13
172	Alkaloids from <i>Pycnarrhena longifolia</i> . <i>Phytochemistry</i> , 1981 , 20, 323-325	4	13

171	Solubility and Stability of Some Pharmaceuticals in Natural Deep Eutectic Solvents-Based Formulations. <i>Molecules</i> , 2021 , 26,	4.8	13
170	LC-ESI-MS/MS profiling of phenolics from spp. inflorescences, structure-activity relationship as antioxidants, inhibitors of hyaluronidase and acetylcholinesterase. <i>Saudi Pharmaceutical Journal</i> , 2017 , 25, 734-743	4.4	12
169	Plant-derived food ingredients for stimulation of energy expenditure. <i>Critical Reviews in Food Science and Nutrition</i> , 2014 , 54, 373-88	11.5	12
168	Atividades larvicida e anticolinesterf3ica de plantas do g3nero Kalanchoe. <i>Quimica Nova</i> , 2006 , 29, 415-418	1.6	12
167	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	2.7	12
166	Is accumulation of sesquiterpenoid phytoalexins induced in tobacco plants constitutively producing salicylic acid?. <i>Plant Science</i> , 2002 , 162, 989-993	5.3	12
165	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	3.4	12
164	Strictosidine glucosidase from suspension cultured cells of <i>Tabernaemontana divaricata</i> . <i>Phytochemistry</i> , 1996 , 41, 1451-1456	4	12
163	Investigation of extracts of plant cell cultures by proton nuclear magnetic resonance spectroscopy. <i>Phytochemical Analysis</i> , 1991 , 2, 155-162	3.4	12
162	Carbon-13 NMR spectroscopy of some <i>Strychnos</i> alkaloids. Part 2. <i>Magnetic Resonance in Chemistry</i> , 1984 , 22, 345-348		12
161	Phytochemical investigation of <i>Tabernaemontana crassa</i> . <i>Journal of Ethnopharmacology</i> , 1985 , 14, 315-85		12
160	Influence of production media on <i>Cinchona</i> cell cultures; spontaneous formation of Ecbarbolines from L-tryptophan. <i>Plant Science</i> , 1986 , 47, 71-76	5.3	12
159	Alkaloids and biological activity of <i>Strychnos angolensis</i> . <i>Planta Medica</i> , 1979 , 35, 19-30	3.1	12
158	CALLUS INDUCTION AND PHYTOCHEMICAL CHARACTERIZATION OF <i>Cannabis sativa</i> CELL SUSPENSION CULTURES. <i>Indonesian Journal of Chemistry</i> , 2006 , 6, 70-74	1.5	12
157	Investigation of chemomarkers of astragali radix of different ages and geographical origin by NMR profiling. <i>Molecules</i> , 2015 , 20, 3389-405	4.8	11
156	Effects of fungicides on galanthamine and metabolite profiles in <i>Narcissus</i> bulbs. <i>Plant Physiology and Biochemistry</i> , 2012 , 58, 116-23	5.4	11
155	Effect of elicitation on the peroxidase activity in some cell suspension cultures of hop, t <i>Humulus lupulus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1997 , 48, 121-126	2.7	11
154	Micropropagation of <i>Isoplexis canariensis</i> (l.) G. Don. <i>Plant Cell, Tissue and Organ Culture</i> , 1997 , 49, 117-119	1.9	11

153	Cardiovascular activity of the crude alkaloidal fraction from <i>Tabernaemontana pandacaqui</i> in the rat. <i>Journal of Ethnopharmacology</i> , 1998 , 59, 131-7	5	11
152	Chapter 12 Plant Biotechnology and the Production of Alkaloids: Prospects of Metabolic Engineering. <i>The Alkaloids Chemistry and Biology</i> , 1998 , 50, 453-508	4.8	11
151	Cryopreservation of cell suspension cultures of <i>Taxus * media</i> and <i>Taxus floridana</i> . <i>Biologia Plantarum</i> , 2008 , 52, 329-333	2.1	11
150	Synthesis and spectroscopic characterization of cannabinolic acid. <i>Planta Medica</i> , 2007 , 73, 273-5	3.1	11
149	Isochorismate synthase transgenic expression in <i>Catharanthus roseus</i> cell suspensions. <i>Plant Physiology and Biochemistry</i> , 2001 , 39, 595-602	5.4	11
148	Geranylgeranyl diphosphate synthase activity and taxane production in <i>Taxus baccata</i> cells. <i>Phytochemistry</i> , 1999 , 50, 939-946	4	11
147	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	2.7	11
146	Reversed-phase high-performance liquid chromatographic separation of some indole and quinoline alkaloids from cinchona. <i>Journal of Chromatography A</i> , 1989 , 479, 39-51	4.5	11
145	High-speed liquid chromatographic separation of some <i>Strychnos</i> alkaloids. <i>Journal of Chromatography A</i> , 1975 , 109, 441-2	4.5	11
144	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, 337-44	5.4	10
143	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	5.9	10
142	Metabolomics: what's new?. <i>Flavour and Fragrance Journal</i> , 2010 , 25, 128-131	2.5	10
141	Cell cultures of <i>Rauwolfia sellowii</i> : growth and alkaloid production. <i>Plant Cell, Tissue and Organ Culture</i> , 1998 , 54, 61-63	2.7	10
140	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	2.7	10
139	ANALYSIS OF TAXINES IN TAXUS 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	1.3	10
138	New strictosidine β glucosidase from <i>Strychnos mellodora</i> . <i>Plant Physiology and Biochemistry</i> , 2000 , 38, 187-192	5.4	10
137	Mevalonate kinase activity in <i>Catharanthus roseus</i> plants and suspension cultured cells. <i>Plant Science</i> , 2000 , 150, 59-69	5.3	10
136	High-performance liquid chromatography of Cinchona alkaloids. <i>Journal of Chromatography A</i> , 1983 , 261, 172-175	4.5	10

135	Phytochemical Content and Pharma-Nutrition Study on Fruits Intractum. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 9270691	6.7	10
134	Current research in biotechnology: Exploring the biotech forefront. <i>Current Research in Biotechnology</i> , 2019 , 1, 34-40	4.8	9
133	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	3.8	9
132	Environmentally benign supercritical CO2 extraction of galanthamine from floricultural crop waste of <i>Narcissus pseudonarcissus</i> . <i>Journal of Supercritical Fluids</i> , 2014 , 93, 7-19	4.2	9
131	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	5.4	9
130	Metabolic changes of <i>Brassica rapa</i> transformed with a bacterial isochorismate synthase gene. <i>Journal of Plant Physiology</i> , 2010 , 167, 1525-32	3.6	9
129	Metabolic alterations in different developmental stages of <i>Pilocarpus microphyllus</i> . <i>Planta Medica</i> , 2011 , 77, 293-300	3.1	9
128	Hydroxylation and further oxidation of delta9-tetrahydrocannabinol by alkane-degrading bacteria. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 7135-41	4.8	9
127	Genotype×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	1.9	9
126	Moandaensine, a dimeric indole alkaloid from <i>Strychnos moandaensis</i> (Loganiaceae). <i>Phytochemistry Letters</i> , 2010 , 3, 100-103	1.9	9
125	<i>Ilex paraguariensis</i> cell suspension culture characterization and response against ethanol. <i>Plant Cell, Tissue and Organ Culture</i> , 2002 , 68, 257-263	2.7	9
124	Nicotine and related alkaloids accumulation in constitutive salicylic acid producing tobacco plants. <i>Plant Science</i> , 2002 , 162, 575-581	5.3	9
123	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	5.3	9
122	Purification and characterization of phosphomevalonate kinase from <i>Catharanthus roseus</i> . <i>Phytochemistry</i> , 1999 , 52, 975-983	4	9
121	Cardiovascular effects of <i>Tabernaemontana pandacaqui</i> . <i>Journal of Ethnopharmacology</i> , 1989 , 27, 107-113		9
120	Some phytochemical aspects of medicinal plant research. <i>Journal of Ethnopharmacology</i> , 1989 , 25, 43-59		9
119	γ-Unsaturated-δ-lactones from <i>Sedum telephium</i> roots. <i>Phytochemistry</i> , 1990 , 29, 517-519	4	9
118	Assignment of 13C-NMR spectra of strychnine and brucine. <i>Journal of Pharmaceutical Sciences</i> , 1980 , 69, 865-7	3.9	9

117	Metabolite analysis of Cannabis sativa L. by NMR spectroscopy. <i>Methods in Molecular Biology</i> , 2012 , 815, 363-75	1.4	9
116	Metabolic effects of cannabinoids in zebrafish (Danio rerio) embryos determined by 1H NMR metabolomics. <i>Metabolomics</i> , 2016 , 12, 1	4.7	8
115	Red wines attenuate TNF α production in human histiocytic lymphoma cell line: an NMR spectroscopy and chemometrics based study. <i>Food Chemistry</i> , 2013 , 141, 3124-30	8.5	8
114	In vivo antiprostatae tumor potential of Vernonia guineensis Benth. (Asteraceae) tuber extract (VGDE) and the cytotoxicity of its major compound pentaisovaleryl sucrose. <i>Journal of Ethnopharmacology</i> , 2013 , 150, 724-8	5	8
113	Investigation of the chemomarkers correlated with flower colour in different organs of Catharanthus roseus using NMR-based metabolomics. <i>Phytochemical Analysis</i> , 2014 , 25, 66-74	3.4	8
112	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, 4510-25	4.8	8
111	Anthraquinones from Isoplexis isabelliana cell suspension cultures. <i>Phytochemistry</i> , 1999 , 52, 1283-1286	4	8
110	A study of the behaviour of some new column materials in the chromatographic analysis of Cinchona alkaloids. <i>Chromatographia</i> , 1995 , 41, 153-160	2.1	8
109	Revised structure of phaeantharine. <i>Journal of Natural Products</i> , 1983 , 46, 226-31	4.9	8
108	HPLC Analysis of Alkaloids in Extracts of Callus Cultures of Cinchona Species. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1984 , 39, 680-682	1.7	8
107	Janussines a and b from strychnos johnsonii. <i>Tetrahedron Letters</i> , 1985 , 26, 2441-2444	2	8
106	Pseudovobparicine, A New Dimeric Indole Alkaloid from Tabernaemontana divaricata. <i>Planta Medica</i> , 1985 , 51, 277-279	3.1	8
105	Exploring natural products-based cancer therapeutics derived from egyptian flora. <i>Journal of Ethnopharmacology</i> , 2021 , 269, 113626	5	8
104	Nuclear Magnetic Resonance Spectroscopy for Plant Metabolite Profiling 2013 , 57-76		7
103	In silicio expression analysis of PKS genes isolated from Cannabis sativa L. <i>Genetics and Molecular Biology</i> , 2010 , 33, 703-13	2	7
102	An assay for secologanin in plant tissues based on enzymatic conversion into strictosidine. <i>Phytochemical Analysis</i> , 1998 , 9, 162-167	3.4	7
101	Chrysopentamine, an antiplasmodial anhydronium base from Strychnos usambarensis leaves. <i>Planta Medica</i> , 2004 , 70, 72-6	3.1	7
100	Glucosylation of exogenous vanillin by plant cell cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 2002 , 69, 177-182	2.7	7

99	Peroxidase activity in hop plants after infestation by red spider mites. <i>Crop Protection</i> , 2003 , 22, 423-424.	7	7
98	Assay of 2,3-dihydroxybenzoic acid and related compounds in plant materials by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2001 , 927, 39-45	4.5	7
97	Formation of terpenoid products in Ginkgo biloba L. cultivated cells. <i>Plant Cell Reports</i> , 1996 , 15, 888-91	5.1	7
96	Uptake and Accumulation of the Alkaloids Quinine and Cinchonamine in Cultured Cells of Cinchona robusta and Catharanthus roseus. <i>Journal of Plant Physiology</i> , 1991 , 138, 436-442	3.6	7
95	New semidimeric alkaloids from strychnos dale. <i>Tetrahedron Letters</i> , 1986 , 27, 239-242	2	7
94	Screening for biological activity of different plant parts of Tabernaemontana dichotoma, known as divi kaduru in Sri Lanka. <i>Journal of Ethnopharmacology</i> , 1984 , 11, 233-41	5	7
93	On the occurrence of filican-3-one in Strychnos dolichothyrsa. <i>Phytochemistry</i> , 1978 , 17, 817-818	4	7
92	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	6.8	7
91	Antimutagenic, antigenotoxic and antiproliferative activities of Fraxinus angustifolia Vahl. leaves and stem bark extracts and their phytochemical composition. <i>PLoS ONE</i> , 2020 , 15, e0230690	3.7	7
90	Effect of Benzothiadiazole on the Metabolome of Tomato Plants Infected by Citrus Exocortis Viroid. <i>Viruses</i> , 2019 , 11,	6.2	6
89	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, 291-6	4.5	6
88	Cell wall polysaccharides from Mandevilla velutina (Apocynaceae) cultured cells: extraction and chemical structure. <i>Carbohydrate Polymers</i> , 2000 , 41, 55-60	10.3	6
87	Microplate enzyme-coupled assays of mevalonate and phosphomevalonate kinase from Catharanthus roseus suspension cultured cells. <i>Analytical Biochemistry</i> , 1999 , 269, 245-54	3.1	6
86	Novel Techniques for Growth Characterization and Phytochemical Analysis of Plant Cell Suspension Cultures. <i>Journal of Natural Products</i> , 1995 , 58, 1305-1314	4.9	6
85	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 Catharanthus roseus plant cell cultures. <i>Journal of Chromatography A</i> , 1996 , 752, 123-130	4.5	6
84	High-performance liquid chromatography of some Tabernaemontana alkaloids. <i>Journal of Chromatography A</i> , 1984 , 285, 214-220	4.5	6
83	Chemical constituents of Vietnamese toad venom collected from Bufo melanostictus Schneider. Part I. The sterols. <i>Journal of Ethnopharmacology</i> , 1979 , 1, 197-202	5	6
82	Biotransformation of Tetrahydrocannabinol. <i>Phytochemistry Reviews</i> , 2016 , 15, 921-934	7.7	5

81	Molecular cloning and expression of tryptophan decarboxylase from <i>Mitragyna speciosa</i> . <i>Acta Physiologiae Plantarum</i> , 2013 , 35, 2611-2621	2.6	5
80	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	1.3	5
79	Analysis of anthraquinones in cell cultures of <i>Cinchona 'Robusta'</i> by HPLC with photodiode array and mass spectrometry detection. <i>Phytochemical Analysis</i> , 2003 , 14, 298-305	3.4	5
78	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	1	5
77	Localization of secologanin in <i>Catharanthus roseus</i> cells. <i>Acta Botanica Gallica</i> , 1999 , 146, 105-110		5
76	Chapter 6 <i>Cinchona</i> Alkaloids. <i>Alkaloids: Chemistry and Pharmacology</i> , 1989 , 331-398		5
75	Circular thin-layer chromatography of quaternary alkaloids. <i>Journal of Chromatography A</i> , 1984 , 291, 389-391	4.5	5
74	Alkaloids from <i>Strychnos chrysophylla</i> . <i>Journal of Ethnopharmacology</i> , 1984 , 10, 243-7	5	5
73	Natuurstoffen als genot- en geneesmiddelen. <i>Pharmaceutisch Weekblad</i> , 1979 , 1, 89-98		5
72	Thin-layer chromatography of some quaternary alkaloids and alkaloid N-oxides. <i>Journal of Chromatography A</i> , 1976 , 124, 152-6	4.5	5
71	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	0.8	5
70	Fast dereplication of xanthine oxidase-inhibiting compounds in alfalfa using comparative metabolomics. <i>Food Research International</i> , 2021 , 141, 110170	7	5
69	Natural deep eutectic solvents as biofilm structural breakers. <i>Water Research</i> , 2021 , 201, 117323	12.5	5
68	NMR-Based Metabolomics Analysis 2013 , 209-238		4
67	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	1.7	4
66	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	3.6	4
65	Alkaloid formation in cell suspension cultures of <i>Tabernaemontana elegans</i> after feeding of tryptamine and loganin or secologanin. <i>Plant Cell, Tissue and Organ Culture</i> , 2002 , 68, 293-299	2.7	4
64	Colorflammine and berbacolorflammine, two new orange-colored bis(benzylisoquinoline) alkaloids from <i>Pycnarrhena longifolia</i> . <i>Journal of Organic Chemistry</i> , 1982 , 47, 898-900	4.2	4

63	11-Methoxydiabolone in <i>Strychnos malacoclados</i> . <i>Phytochemistry</i> , 1974 , 13, 2011	4	4
62	Effect of bulb age on alkaloid contents of narcissus pseudonarcissus bulbs. <i>South African Journal of Botany</i> , 2021 , 136, 182-189	2.9	4
61	Synergy: Easier to say than to prove. <i>Synergy</i> , 2018 , 7, 34-35	0.9	4
60	Quality Markers for Astragali Radix and Its Products Based on Process Analysis. <i>Frontiers in Pharmacology</i> , 2020 , 11, 554777	5.6	3
59	Phytoconstituents and Nutritional Properties of the Fruits of and : A Study of Non-European Species Cultivated in Poland. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 8374295	6.7	3
58	Metabolic Engineering of Plant Cellular Metabolism: Methodologies, Advances, and Future Directions 2013 , 359-393		3
57	Simple Phenols, Phenolic Acids, and Related Esters from the Medicinal Plants of Africa 2013 , 225-249		3
56	A MORPHOLOGICAL AND HISTOLOGICAL CHARACTERIZATION OF BROWNING IN POMEGRANATE HUSK. <i>Acta Horticulturae</i> , 2015 , 445-451	0.3	3
55	Hydroxylation and glycosylation of Δ^9 -tetrahydrocannabinol by <i>Catharanthus roseus</i> cell suspension culture. <i>Biocatalysis and Biotransformation</i> , 2015 , 33, 279-286	2.5	3
54	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	2.1	3
53	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	1.3	3
52	Isolation of 4-Hydroxy-5-methoxycanthin-6-one from <i>Picrasma quassioides</i> and Revision of a Previously Reported Structure. <i>Liebigs Annalen Der Chemie</i> , 1992 , 1992, 987-988		3
51	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	1.1	3
50	Synergistic mechanism for the bioactivity fortification of licorice by honey.. <i>Journal of Ethnopharmacology</i> , 2022 , 289, 115048	5	3
49	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	3
48	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	1.5	3
47	Natural Deep Eutectic Solvents: From Their Discovery to Their Applications 2019 , 61-81		3
46	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	5	3

45	Metabolomics reveals novel insight on dormancy of aquatic invertebrate encysted embryos. <i>Scientific Reports</i> , 2019 , 9, 8878	4.9	2
44	New Methods of Analysis and Investigation of Terpenoid Indole Alkaloids. <i>Advances in Botanical Research</i> , 2013 , 68, 233-272	2.2	2
43	The Application of β -Cyclodextrin to Separate cis- from trans-Iso- α -Acids in an Isomerized Hop Extract. <i>Journal of the American Society of Brewing Chemists</i> , 2010 , 68, 15-20	1.9	2
42	APPLICATION OF TWO DIMENSIONAL THIN LAYER CHROMATOGRAPHY PATTERN COMPARISON FOR FINGERPRINTING THE ACTIVE COMPOUNDS IN THE LEAVES OF VITEX TRIFOLIA LINN POSSESSING ANTI-TRACHEOSPASMOLYTIC ACTIVITY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 33, 214-224	1.3	2
41	High Performance Liquid Chromatographic Method for Iso- α -Acids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006 , 29, 293-302	1.3	2
40	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	3.8	2
39	Micropropagation of <i>Isoplexis isabelliana</i> (Webb & Berth.) Masf., a Threatened Medicinal Plant. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2003 , 10, 89-94	0.9	2
38	Expression of strictosidine β -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	5.4	2
37	Screening method for cDNAs encoding putative enzymes converting loganin into secologanin by a transgenic yeast culture. <i>Biotechnology Letters</i> , 1999 , 13, 605-608		2
36	Studies on Indonesian medicinal plants. VIII. Screening of some Indonesian Menispermaceae for alkaloids; the isolation of magnoflorine from <i>Pycnarrhena novoguineensis</i> and <i>Cyclea barbata</i> . <i>Pharmaceutisch Weekblad</i> , 1982 , 4, 87-8		2
35	Biosynthesis of 2,3-Dihydroxybenzoic Acid in Transgenic <i>Catharanthus roseus</i> Cell Cultures Overexpressing Isochorismate Synthase. <i>Heterocycles</i> , 2002 , 56, 341	0.8	2
34	Honey in traditional Chinese medicine: A guide to future applications of NADES to medicines. <i>Advances in Botanical Research</i> , 2021 , 97, 361-384	2.2	2
33	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	2.2	2
32	Formation of terpenoid products in <i>Ginkgo biloba</i> L. cultivated cells. <i>Plant Cell Reports</i> , 1996 , 15, 888-891	5.1	2
31	Creative and innovative good practice in traditional Chinese medicine clinical studies: strategies for sustainable development. <i>Journal of Ethnopharmacology</i> , 2014 , 155, 1625-8	5	1
30	Overview and Introduction 2010 , 1-4		1
29	Plant cell biotechnology 549-578		1
28	Genetic Engineering of the Plant Cell Factory for Secondary Metabolite Production 2002 ,		1

27	The applications of hydrophobic interaction chromatography to the purification of plant proteins. <i>Phytochemical Analysis</i> , 1991 , 2, 191-198	3.4	1
26	La pharmacognosie du nouveau millèaire : pistes et biotechnologie 2002 , 263-274		1
25	Preanalytical Treatments: Extraction With Deep Eutectic Solvents 2020 , 565-590		1
24	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	2.9	1
23	Characterization of some isoprenoid-biosynthetic enzymes from plant cell cultures. <i>Studies in Organic Chemistry</i> , 1998 , 53, 177-184		0
22	Vanillin: Biosynthesis, Biotechnology, and Bioproduction. <i>Reference Series in Phytochemistry</i> , 2022 , 341-358		0
21	Measuring the health effects of food by metabolomics. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-15	11.5	0
20	Latex Metabolome of Euphorbia Species: Geographical and Inter-Species Variation and its Proposed Role in Plant Defense against Herbivores and Pathogens. <i>Journal of Chemical Ecology</i> , 2021 , 47, 564-576 ²⁻⁷		0
19	Structural properties and stability of the Betaine-Urea natural deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2021 , 343, 117655	6	0
18	Using metabolomics to discover the immunomodulator activity of food plants. <i>Heliyon</i> , 2022 , 8, e09507	3.6	0
17	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	1.4	
16	Profiling the jasmonic acid responses by nuclear magnetic resonance-based metabolomics. <i>Methods in Molecular Biology</i> , 2013 , 1011, 267-75	1.4	
15	Ajmalicine production by cell cultures of <i>Catharanthus roseus</i> : from shake flask to bioreactor 1994 , 85-91		
14	International Research Congress on natural products as medicinal agents. <i>Pharmaceutisch Weekblad</i> , 1981 , 3, 119-124		
13	Vanillin: Biosynthesis, Biotechnology, and Bioproduction. <i>Reference Series in Phytochemistry</i> , 2021 , 1-18	0.7	
12	Pharmacognosy in the new millenium: leadfinding and biotechnology 2002 , 253-262		
11	Breakdown of indole alkaloids in suspension cultures of <i>Tabernaemontana divaricata</i> and <i>Catharanthus roseus</i> 1994 , 299-305		
10	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		

9 Host and Guest: Vanilla Inhabited by Endophytes **2016**, 1-28

8 Host and Guest: Vanilla Inhabited by Endophytes **2017**, 191-217

7 Metabolomics: Novel Tool for Studying Complex Biological Systems **2010**, 493-510

6 Natural deep eutectic solvents present in plant exudates? A case study on the saps of *Drosera* species. *Advances in Botanical Research*, **2021**, 253-269 2.2

5 HPTLC, A Supplementary Tool for Metabolic Profiling and Metabolomics **2018**, 59-59

4 Vanillin: Biosynthesis, Biotechnology, and Bioproduction. *Reference Series in Phytochemistry*, **2021**, 1-18 0.7

3 Limitation of mitragynine biosynthesis in *Mitragyna speciosa* (Roxb.) Korth. through tryptamine availability. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **2013**, 68, 394-405 1.7

2 Expression of bacterial isochorismate synthase (EC 5.4.99.6) in transgenic root cultures of *Rubia perigrina*. *Plant Cell Reports*, **1996**, 16, 54-57 5.1

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