

Robert Verpoorte

List of Publications by Year in Descending Order

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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	Synergistic mechanism for the bioactivity fortification of licorice by honey.. <i>Journal of Ethnopharmacology</i> , 2022 , 289, 115048	5	3
583	Vanillin: Biosynthesis, Biotechnology, and Bioproduction. <i>Reference Series in Phytochemistry</i> , 2022 , 341-358	3.5	0
582	Using metabolomics to discover the immunomodulator activity of food plants. <i>Heliyon</i> , 2022 , 8, e09507	3.6	0
581	Vanillin: Biosynthesis, Biotechnology, and Bioproduction. <i>Reference Series in Phytochemistry</i> , 2021 , 1-18	0.7	0
580	Measuring the health effects of food by metabolomics. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-15	11.5	0
579	Fast dereplication of xanthine oxidase-inhibiting compounds in alfalfa using comparative metabolomics. <i>Food Research International</i> , 2021 , 141, 110170	7	5
578	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
577	Solubility and Stability of Some Pharmaceuticals in Natural Deep Eutectic Solvents-Based Formulations. <i>Molecules</i> , 2021 , 26,	4.8	13
576	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
575	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
574	Exploring natural products-based cancer therapeutics derived from egyptian flora. <i>Journal of Ethnopharmacology</i> , 2021 , 269, 113626	5	8
573	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
572	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
571	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
570	Natural deep eutectic solvents present in plant exudates? A case study on the saps of <i>Drosera</i> species. <i>Advances in Botanical Research</i> , 2021 , 253-269	2.2	0
569	Natural deep eutectic solvents as biofilm structural breakers. <i>Water Research</i> , 2021 , 201, 117323	12.5	5
568	Structural properties and stability of the Betaine-Urea natural deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2021 , 343, 117655	6	0

567	Vanillin: Biosynthesis, Biotechnology, and Bioproduction. <i>Reference Series in Phytochemistry</i> , 2021 , 1-18	0.7	
566	Quality Markers for Astragali Radix and Its Products Based on Process Analysis. <i>Frontiers in Pharmacology</i> , 2020 , 11, 554777	5.6	3
565	Natural Deep Eutectic Solvent Extraction of Flavonoids of as a Replacement for Conventional Organic Solvents. <i>Molecules</i> , 2020 , 25,	4.8	32
564	Preanalytical Treatments: Extraction With Deep Eutectic Solvents 2020 , 565-590		1
563	Natural deep eutectic characteristics of honey improve the bioactivity and safety of traditional medicines. <i>Journal of Ethnopharmacology</i> , 2020 , 250, 112460	5	14
562	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
561	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
560	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
559	Current research in biotechnology: Exploring the biotech forefront. <i>Current Research in Biotechnology</i> , 2019 , 1, 34-40	4.8	9
558	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
557	Effect of Benzothiadiazole on the Metabolome of Tomato Plants Infected by Citrus Exocortis Viroid. <i>Viruses</i> , 2019 , 11,	6.2	6
556	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
555	Quality marker identification based on standard decoction of differently processed materials of Ephedrae Herba. <i>Journal of Ethnopharmacology</i> , 2019 , 237, 47-54	5	14
554	Historical and traditional medical applications of Carlina acaulis L. - A critical ethnopharmacological review. <i>Journal of Ethnopharmacology</i> , 2019 , 239, 111842	5	15
553	Natural Deep Eutectic Solvents as Multifunctional Media for the Valorization of Agricultural Wastes. <i>ChemSusChem</i> , 2019 , 12, 1310-1315	8.3	27
552	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
551	Metabolomics reveals novel insight on dormancy of aquatic invertebrate encysted embryos. <i>Scientific Reports</i> , 2019 , 9, 8878	4.9	2
550	Natural Deep Eutectic Solvents: From Their Discovery to Their Applications 2019 , 61-81		3

549	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
548	Effects of processing adjuvants on traditional Chinese herbs. <i>Journal of Food and Drug Analysis</i> , 2018 , 26, S96-S114	7	36
547	The Ethnopharmacologic Contribution to Bioprospecting Natural Products. <i>Annual Review of Pharmacology and Toxicology</i> , 2018 , 58, 509-530	17.9	38
546	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
545	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	
544	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
543	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
542	HPTLC, A Supplementary Tool for Metabolic Profiling and Metabolomics 2018 , 59-59		
541	Synergy: Easier to say than to prove. <i>Synergy</i> , 2018 , 7, 34-35	0.9	4
540	Vanilla flavor production methods: A review. <i>Industrial Crops and Products</i> , 2018 , 125, 433-442	5.9	20
539	Traditional Mediterranean and European herbal medicines. <i>Journal of Ethnopharmacology</i> , 2017 , 199, 161-167	5	36
538	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
537	Major achievements of evidence-based traditional Chinese medicine in treating major diseases. <i>Biochemical Pharmacology</i> , 2017 , 139, 94-104	6	81
536	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
535	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
534	Host and Guest: Vanilla Inhabited by Endophytes 2017 , 191-217		
533	Biotransformation of Tetrahydrocannabinol. <i>Phytochemistry Reviews</i> , 2016 , 15, 921-934	7.7	5
532	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

531	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
530	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
529	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
528	Antistaphylococcal Prenylated Acylphoroglucinol and Xanthenes from <i>Kielmeyera variabilis</i> . <i>Journal of Natural Products</i> , 2016 , 79, 470-6	4.9	19
527	Metabolic effects of cannabinoids in zebrafish (<i>Danio rerio</i>) embryos determined by 1H NMR metabolomics. <i>Metabolomics</i> , 2016 , 12, 1	4.7	8
526	A simple and rapid HPLC-DAD method for simultaneously monitoring the accumulation of alkaloids and precursors in different parts and different developmental stages of <i>Catharanthus roseus</i> plants. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1014, 10-6	3.2	20
525	Incorporation of an invasive plant into a native insect herbivore food web. <i>PeerJ</i> , 2016 , 4, e1954	3.1	23
524	Host and Guest: Vanilla Inhabited by Endophytes 2016 , 1-28		
523	Phytochemical Content and Pharma-Nutrition Study on Fruits <i>Intractum</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 9270691	6.7	10
522	Extending pharmacological dose-response curves for salsalate with natural deep eutectic solvents. <i>RSC Advances</i> , 2015 , 5, 61398-61401	3.7	17
521	Tailoring properties of natural deep eutectic solvents with water to facilitate their applications. <i>Food Chemistry</i> , 2015 , 187, 14-9	8.5	518
520	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
519	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
518	A MORPHOLOGICAL AND HISTOLOGICAL CHARACTERIZATION OF BROWNING IN POMEGRANATE HUSK. <i>Acta Horticulturae</i> , 2015 , 445-451	0.3	3
517	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
516	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
515	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
514	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

513	Extraction for metabolomics: access to the metabolome. <i>Phytochemical Analysis</i> , 2014 , 25, 291-306	3.4	101
512	Medicinal plants of the Russian Pharmacopoeia; their history and applications. <i>Journal of Ethnopharmacology</i> , 2014 , 154, 481-536	5	158
511	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
510	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
509	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
508	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
507	Environmentally benign supercritical CO ₂ extraction of galanthamine from floricultural crop waste of <i>Narcissus pseudonarcissus</i> . <i>Journal of Supercritical Fluids</i> , 2014 , 93, 7-19	4.2	9
506	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
505	The seco-iridoid pathway from <i>Catharanthus roseus</i> . <i>Nature Communications</i> , 2014 , 5, 3606	17.4	250
504	What is in a name? The need for accurate scientific nomenclature for plants. <i>Journal of Ethnopharmacology</i> , 2014 , 152, 393-402	5	121
503	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
502	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
501	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
500	Investigation of the chemomarkers correlated with flower colour in different organs of <i>Catharanthus roseus</i> using NMR-based metabolomics. <i>Phytochemical Analysis</i> , 2014 , 25, 66-74	3.4	8
499	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
498	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
497	Metabolic Engineering of Plant Cellular Metabolism: Methodologies, Advances, and Future Directions 2013 , 359-393		3
496	Metabolomics for the rapid dereplication of bioactive compounds from natural sources. <i>Phytochemistry Reviews</i> , 2013 , 12, 293-304	7.7	34

495	New Methods of Analysis and Investigation of Terpenoid Indole Alkaloids. <i>Advances in Botanical Research</i> , 2013 , 68, 233-272	2.2	2
494	Identification of bioactive metabolites against adenosine A1 receptor using NMR-based metabolomics. <i>Metabolomics</i> , 2013 , 9, 778-785	4.7	17
493	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
492	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
491	Developmental effects of cannabinoids on zebrafish larvae. <i>Zebrafish</i> , 2013 , 10, 283-93	2	37
490	Molecular cloning and expression of tryptophan decarboxylase from <i>Mitragyna speciosa</i> . <i>Acta Physiologiae Plantarum</i> , 2013 , 35, 2611-2621	2.6	5
489	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
488	NMR-based metabolomics: a probe to utilize biodiversity. <i>Methods in Molecular Biology</i> , 2013 , 1055, 117-27	13	13
487	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
486	Simple Phenols, Phenolic Acids, and Related Esters from the Medicinal Plants of Africa 2013 , 225-249		3
485	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
484	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
483	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
482	Natural deep eutectic solvents as new potential media for green technology. <i>Analytica Chimica Acta</i> , 2013 , 766, 61-8	6.6	1227
481	Phytochemicals as a potential source for TNF α -inhibitors. <i>Phytochemistry Reviews</i> , 2013 , 12, 65-93	7.7	27
480	Cytotoxic sesquiterpene lactones from the leaves of <i>Vernonia guineensis</i> Benth. (Asteraceae). <i>Journal of Ethnopharmacology</i> , 2013 , 146, 552-6	5	24
479	In vivo antiprostata tumor potential of <i>Vernonia guineensis</i> Benth. (Asteraceae) tuber extract (VGDE) and the cytotoxicity of its major compound pentaisovaleryl sucrose. <i>Journal of Ethnopharmacology</i> , 2013 , 150, 724-8	5	8
478	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

477	Seasonal accumulation of major alkaloids in organs of pharmaceutical crop <i>Narcissus Carlton</i> . <i>Phytochemistry</i> , 2013 , 88, 43-53	4	37
476	NMR-Based Metabolomics Analysis 2013 , 209-238		4
475	Nuclear Magnetic Resonance Spectroscopy for Plant Metabolite Profiling 2013 , 57-76		7
474	Harpagoside: from Kalahari Desert to pharmacy shelf. <i>Phytochemistry</i> , 2013 , 92, 8-15	4	42
473	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
472	Profiling the jasmonic acid responses by nuclear magnetic resonance-based metabolomics. <i>Methods in Molecular Biology</i> , 2013 , 1011, 267-75	1.4	
471	Zebrafish as a model for systems biology. <i>Biotechnology and Genetic Engineering Reviews</i> , 2013 , 29, 187-205	4.0	21
470	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
469	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
468	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	
467	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
466	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
465	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
464	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
463	Metabolic fingerprinting of Tomato Mosaic Virus infected <i>Solanum lycopersicum</i> . <i>Journal of Plant Physiology</i> , 2012 , 169, 1586-96	3.6	45
462	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
461	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
460	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

459	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
458	Metabolome of <i>Vanilla planifolia</i> (Orchidaceae) and related species under <i>Cymbidium mosaic virus</i> (CymMV) infection. <i>Plant Physiology and Biochemistry</i> , 2012 , 60, 25-34	5.4	9
457	Comprehensive analysis of commercial willow bark extracts by new technology platform: combined use of metabolomics, high-performance liquid chromatography-solid-phase extraction-nuclear magnetic resonance spectroscopy and high-resolution radical scavenging assay. <i>Journal of Chromatography A</i> , 2012 , 1262, 130-7	4.5	46
456	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
455	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
454	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
453	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
452	Metabolite analysis of <i>Cannabis sativa</i> L. by NMR spectroscopy. <i>Methods in Molecular Biology</i> , 2012 , 815, 363-75	1.4	9
451	Pre-analytical method for NMR-based grape metabolic fingerprinting and chemometrics. <i>Analytica Chimica Acta</i> , 2011 , 703, 179-86	6.6	22
450	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
449	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
448	Comprehensive review on herbal medicine for energy intake suppression. <i>Obesity Reviews</i> , 2011 , 12, 499-514	10.6	23
447	Initiation, growth and cryopreservation of plant cell suspension cultures. <i>Nature Protocols</i> , 2011 , 6, 715-42.8	42.8	141
446	Metabolic differentiations and classification of <i>Verbascum</i> species by NMR-based metabolomics. <i>Phytochemistry</i> , 2011 , 72, 2045-51	4	73
445	Cultivation of medicinal and aromatic plants for specialty industrial materials. <i>Industrial Crops and Products</i> , 2011 , 34, 785-801	5.9	317
444	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
443	Metabolic characterization of Palatinate 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
442	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

441	Chalcone synthase and its functions in plant resistance. <i>Phytochemistry Reviews</i> , 2011 , 10, 397-412	7.7	324
440	Renewable energy from Cyanobacteria: energy production optimization by metabolic pathway engineering. <i>Applied Microbiology and Biotechnology</i> , 2011 , 91, 471-90	5.7	239
439	NMR-based plant metabolomics: where do we stand, where do we go?. <i>Trends in Biotechnology</i> , 2011 , 29, 267-75	15.1	294
438	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
437	Metabolomics for bioactivity assessment of natural products. <i>Phytotherapy Research</i> , 2011 , 25, 157-69	6.7	97
436	Screening of selected Asian spices for anti obesity-related bioactivities. <i>Food Chemistry</i> , 2011 , 126, 1724-5	8.5	29
435	Effect of fertilizers on galanthamine and metabolite profiles in Narcissus bulbs by 1H NMR. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 3155-61	5.7	24
434	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
433	Metabolic alterations in different developmental stages of <i>Pilocarpus microphyllus</i> . <i>Planta Medica</i> , 2011 , 77, 293-300	3.1	9
432	The content of artemisinin in the <i>Artemisia annua</i> tea infusion. <i>Planta Medica</i> , 2011 , 77, 1754-6	3.1	29
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