

Young H Choi

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.

278
papers

14,632
citations

63
h-index

112
g-index

298
ext. papers

16,884
ext. citations

4.3
avg, IF

6.73
L-index

#	Paper	IF	Citations
278	Metabolomics on the study of marine organisms.. <i>Metabolomics</i> , 2022 , 18, 17	4.7	3
277	Metabolic variation in Caribbean giant barrel sponges: Influence of age and sea-depth. <i>Marine Environmental Research</i> , 2021 , 172, 105503	3.3	
276	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}	2.7	0
275	Solubility and Stability of Some Pharmaceuticals in Natural Deep Eutectic Solvents-Based Formulations. <i>Molecules</i> , 2021 , 26,	4.8	13
274	Chemical Differentiation of Plant Latexes and Their Anti-herbivory Activity against Thrips <i>Frankliniella occidentalis</i> . <i>Planta Medica</i> , 2021 , 87, 1032-1044	3.1	
273	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
272	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
271	Flavonol glycosides from aerial parts of <i>Astragalus thracicus</i> Griseb. <i>Phytochemistry Letters</i> , 2021 , 41, 119-122	1.9	2
270	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	
269	Morphological and Chemical Factors Related to Western Flower Thrips Resistance in the Ornamental <i>Gladiolus</i> . <i>Plants</i> , 2021 , 10,	4.5	1
268	Natural deep eutectic solvents as biofilm structural breakers. <i>Water Research</i> , 2021 , 201, 117323	12.5	5
267	Structural properties and stability of the Betaine-Urea natural deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2021 , 343, 117655	6	0
266	Localization of Major Ephedra Alkaloids in Whole Aerial Parts of <i>Ephedrae Herba</i> Using Direct Analysis in Real Time-Time of Flight-Mass Spectrometry. <i>Molecules</i> , 2021 , 26,	4.8	3
265	Global warming shifts the composition of the abundant bacterial phyllosphere microbiota as indicated by a cultivation-dependent and -independent study of the grassland phyllosphere of a long-term warming field experiment. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	7
264	Metabolic variation in <i>Cistus monspeliensis</i> L. ecotypes correlated to their plant-fungal interactions. <i>Phytochemistry</i> , 2020 , 176, 112402	4	10
263	Influence of Geographical Location on the Metabolic Production of Giant Barrel Sponges (spp.) Revealed by Metabolomics Tools. <i>ACS Omega</i> , 2020 , 5, 12398-12408	3.9	8
262	Above-ground plant metabolomic responses to plant-soil feedbacks and herbivory. <i>Journal of Ecology</i> , 2020 , 108, 1703-1712	6	15

261	Natural Deep Eutectic Solvent Extraction of Flavonoids of as a Replacement for Conventional Organic Solvents. <i>Molecules</i> , 2020 , 25,	4.8	32
260	Soil Inoculation Alters Leaf Metabolic Profiles in Genetically Identical Plants. <i>Journal of Chemical Ecology</i> , 2020 , 46, 745-755	2.7	2
259	Antibiotic production in is organized by a division of labor through terminal genomic differentiation. <i>Science Advances</i> , 2020 , 6, eaay5781	14.3	29
258	Metabolic fingerprinting of banana passion fruits and its correlation with quorum quenching activity. <i>Phytochemistry</i> , 2020 , 172, 112272	4	2
257	Natural Deep Eutectic Solvents as Performance Additives for Peroxygenase Catalysis. <i>ChemCatChem</i> , 2020 , 12, 989-994	5.2	12
256	Preanalytical Treatments: Extraction With Deep Eutectic Solvents 2020 , 565-590		1
255	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
254	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
253	Lugdunomycin, an Angucycline-Derived Molecule with Unprecedented Chemical Architecture. <i>Angewandte Chemie</i> , 2019 , 131, 2835-2840	3.6	2
252	Plant Latex, from Ecological Interests to Bioactive Chemical Resources. <i>Planta Medica</i> , 2019 , 85, 856-868	3.1	13
251	Effect of Benzothiadiazole on the Metabolome of Tomato Plants Infected by Citrus Exocortis Viroid. <i>Viruses</i> , 2019 , 11,	6.2	6
250	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
249	Identification of antiplasmodial triterpenes from Keetia species using NMR-based metabolic profiling. <i>Metabolomics</i> , 2019 , 15, 27	4.7	9
248	Natural Deep Eutectic Solvents as Multifunctional Media for the Valorization of Agricultural Wastes. <i>ChemSusChem</i> , 2019 , 12, 1310-1315	8.3	27
247	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
246	Metabolic Profiling of Saponin-Rich Ophiopogon japonicus Roots Based on 1H NMR and HPTLC Platforms. <i>Planta Medica</i> , 2019 , 85, 917-924	3.1	5
245	Metabolomics reveals novel insight on dormancy of aquatic invertebrate encysted embryos. <i>Scientific Reports</i> , 2019 , 9, 8878	4.9	2
244	Methyljasmonate Elicitation Increases Terpenoid Indole Alkaloid Accumulation in Hairy Root Cultures. <i>Plants</i> , 2019 , 8,	4.5	12

243	Natural Deep Eutectic Solvents: From Their Discovery to Their Applications 2019 , 61-81		3
242	Proximate mechanisms of drought resistance in <i>Phytoseiulus persimilis</i> eggs. <i>Experimental and Applied Acarology</i> , 2019 , 79, 279-298	2.1	15
241	Lugdunomycin, an Angucycline-Derived Molecule with Unprecedented Chemical Architecture. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2809-2814	16.4	27
240	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
239	NMR Analysis of Fecal Samples. <i>Methods in Molecular Biology</i> , 2018 , 1730, 317-328	1.4	5
238	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
237	Metabolic discrimination of pine resins using multiple analytical platforms. <i>Phytochemistry</i> , 2018 , 155, 37-44	4	10
236	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
235	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
234	CHAPTER 9:NMR-based Metabolomics: Understanding Plant Chemistry and Identification of Biologically Active Compounds. <i>New Developments in NMR</i> , 2018 , 246-263	0.9	2
233	HPTLC, A Supplementary Tool for Metabolic Profiling and Metabolomics 2018 , 59-59		
232	Synergy: Easier to say than to prove. <i>Synergy</i> , 2018 , 7, 34-35	0.9	4
231	Increasing Metabolic Diversity in Marine Sponges Extracts by Controlling Extraction Parameters. <i>Marine Drugs</i> , 2018 , 16,	6	9
230	Investigation of species and environmental effects on rhubarb roots metabolome using H NMR combined with high performance thin layer chromatography. <i>Metabolomics</i> , 2018 , 14, 137	4.7	9
229	Identification of a Collagenase-Inhibiting Flavonoid from <i>Alchemilla vulgaris</i> Using NMR-Based Metabolomics. <i>Planta Medica</i> , 2018 , 84, 941-946	3.1	11
228	Discovery of C-Glycosylpyranonaphthoquinones in <i>Streptomyces</i> sp. MBT76 by a Combined NMR-Based Metabolomics and Bioinformatics Workflow. <i>Journal of Natural Products</i> , 2017 , 80, 269-277	4.9	31
227	H-NMR analysis of feces: new possibilities in the helminthes infections research. <i>BMC Infectious Diseases</i> , 2017 , 17, 275	4	15
226	Aromatic Polyketide GTRI-02 is a Previously Unidentified Product of the act Gene Cluster in <i>Streptomyces coelicolor</i> A3(2). <i>ChemBioChem</i> , 2017 , 18, 1428-1434	3.8	13

225	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
224	Towards eco-friendly crop protection: natural deep eutectic solvents and defensive secondary metabolites. <i>Phytochemistry Reviews</i> , 2017 , 16, 935-951	7.7	25
223	Host and Guest: Vanilla Inhabited by Endophytes 2017 , 191-217		
222	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
221	Metabolic changes in <i>Euphorbia palustris</i> latex after fungal infection. <i>Phytochemistry</i> , 2016 , 131, 17-25	4	9
220	Seasonal Changes in Starch Content in Trophopods of <i>Matteuccia struthiopteris</i> . <i>American Fern Journal</i> , 2016 , 106, 153-160	0.6	
219	Application of eco-metabolomics in biological science 2016 ,		1
218	Co-cultivation of <i>Synechocystis salina</i> and <i>Pseudokirchneriella subcapitata</i> under varying phosphorus concentrations evidences an allelopathic competition scenario. <i>RSC Advances</i> , 2016 , 6, 56091-56100	3.7	100
217	Culturing <i>Synechocystis</i> sp. Strain PCC 6803 with N ₂ and CO ₂ in a Diel Regime Reveals Multiphase Glycogen Dynamics with Low Maintenance Costs. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 4180-4189	4.8	15
216	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
215	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
214	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
213	Antistaphylococcal Prenylated Acylphoroglucinol and Xanthones from <i>Kielmeyera variabilis</i> . <i>Journal of Natural Products</i> , 2016 , 79, 470-6	4.9	19
212	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
211	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
210	Leucanicidin and Endophenacins Result from Methyl-Rhamnosylation by the Same Tailoring Enzymes in <i>Kitasatospora</i> sp. MBT66. <i>ACS Chemical Biology</i> , 2016 , 11, 478-90	4.9	16
209	Genotypic differences in metabolomic changes during storage induced-degreening of chrysanthemum disk florets. <i>Postharvest Biology and Technology</i> , 2016 , 115, 48-59	6.2	10
208	Metabolic profiling as a tool for prioritizing antimicrobial compounds. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 299-312	4.2	26

207	Incorporation of an invasive plant into a native insect herbivore food web. <i>PeerJ</i> , 2016 , 4, e1954	3.1	23
206	Host and Guest: Vanilla Inhabited by Endophytes 2016 , 1-28		
205	Metabolomics-guided analysis of isocoumarin production by species MBT76 and biotransformation of flavonoids and phenylpropanoids. <i>Metabolomics</i> , 2016 , 12, 90	4.7	24
204	Discrimination of wild types and hybrids of <i>Duboisia myoporoides</i> and <i>Duboisia leichhardtii</i> at different growth stages using ¹ H NMR-based metabolite profiling and tropane alkaloids-targeted HPLC-MS analysis. <i>Phytochemistry</i> , 2016 , 131, 44-56	4	11
203	Antibiotic adjuvants from <i>Buxus sempervirens</i> to promote effective treatment of drug-resistant <i>Staphylococcus aureus</i> biofilms. <i>RSC Advances</i> , 2016 , 6, 95000-95009	3.7	8
202	Extending pharmacological dose-response curves for salsalate with natural deep eutectic solvents. <i>RSC Advances</i> , 2015 , 5, 61398-61401	3.7	17
201	Expanding the chemical space for natural products by <i>Aspergillus-Streptomyces</i> co-cultivation and biotransformation. <i>Scientific Reports</i> , 2015 , 5, 10868	4.9	56
200	Tailoring properties of natural deep eutectic solvents with water to facilitate their applications. <i>Food Chemistry</i> , 2015 , 187, 14-9	8.5	518
199	Metabolomics-Driven Discovery of a Prenylated Isatin Antibiotic Produced by <i>Streptomyces</i> Species MBT28. <i>Journal of Natural Products</i> , 2015 , 78, 2355-63	4.9	44
198	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
197	Probiotic supplementation influences faecal short chain fatty acids in infants at high risk for eczema. <i>Beneficial Microbes</i> , 2015 , 6, 783-90	4.9	32
196	Investigation of chemomarkers of <i>astragali radix</i> of different ages and geographical origin by NMR profiling. <i>Molecules</i> , 2015 , 20, 3389-405	4.8	11
195	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
194	Metabolomics in the natural products field--a gateway to novel antibiotics. <i>Drug Discovery Today: Technologies</i> , 2015 , 13, 11-7	7.1	58
193	Identification of novel endophenaside antibiotics produced by <i>Kitasatospora</i> sp. MBT66. <i>Journal of Antibiotics</i> , 2015 , 68, 445-52	3.7	19
192	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
191	Extraction for metabolomics: access to the metabolome. <i>Phytochemical Analysis</i> , 2014 , 25, 291-306	3.4	101
190	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

189	Natural product proteomining, a quantitative proteomics platform, allows rapid discovery of biosynthetic gene clusters for different classes of natural products. <i>Chemistry and Biology</i> , 2014 , 21, 707-18		43
188	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
187	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
186	Eliciting antibiotics active against the ESKAPE pathogens in a collection of actinomycetes isolated from mountain soils. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1714-1725	2.9	56
185	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
184	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
183	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
182	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
181	New phytochemicals from the corms of medicinally important South African Hypoxis species. <i>Phytochemistry Letters</i> , 2014 , 10, lxxix-lxxxv	1.9	8
180	Metabolomics for the rapid dereplication of bioactive compounds from natural sources. <i>Phytochemistry Reviews</i> , 2013 , 12, 293-304	7.7	34
179	New Methods of Analysis and Investigation of Terpenoid Indole Alkaloids. <i>Advances in Botanical Research</i> , 2013 , 68, 233-272	2.2	2
178	Identification of bioactive metabolites against adenosine A1 receptor using NMR-based metabolomics. <i>Metabolomics</i> , 2013 , 9, 778-785	4.7	17
177	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
176	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
175	NMR-based metabolomics: a probe to utilize biodiversity. <i>Methods in Molecular Biology</i> , 2013 , 1055, 117-27	2.7	13
174	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
173	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
172	Collection and trade of wild-harvested orchids in Nepal. <i>Journal of Ethnobiology and Ethnomedicine</i> , 2013 , 9, 64	3.9	87

171	Natural deep eutectic solvents as new potential media for green technology. <i>Analytica Chimica Acta</i> , 2013 , 766, 61-8	6.6	1227
170	Seasonal accumulation of major alkaloids in organs of pharmaceutical crop <i>Narcissus Carlton</i> . <i>Phytochemistry</i> , 2013 , 88, 43-53	4	37
169	NMR-Based Metabolomics Analysis 2013 , 209-238		4
168	Nuclear Magnetic Resonance Spectroscopy for Plant Metabolite Profiling 2013 , 57-76		7
167	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
166	Profiling the jasmonic acid responses by nuclear magnetic resonance-based metabolomics. <i>Methods in Molecular Biology</i> , 2013 , 1011, 267-75	1.4	
165	An investigation of the antidepressant action of xiaoyaosan in rats using ultra performance liquid chromatography-mass spectrometry combined with metabolomics. <i>Phytotherapy Research</i> , 2013 , 27, 1074-85	6.7	20
164	Plant Metabolomics: From Holistic Data to Relevant Biomarkers. <i>Current Medicinal Chemistry</i> , 2013 , 20, 1056-1090	4.3	11
163	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
162	Plant Metabolomics: From Holistic Data to Relevant Biomarkers. <i>Current Medicinal Chemistry</i> , 2013 , 20, 1056-1090	4.3	104
161	Plant metabolomics: from holistic data to relevant biomarkers. <i>Current Medicinal Chemistry</i> , 2013 , 20, 1056-90	4.3	128
160	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	
159	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
158	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
157	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
156	¹ H-NMR-based metabolomics approach to understanding the drying effects on the phytochemicals in <i>Cosmos caudatus</i> . <i>Food Research International</i> , 2012 , 49, 763-770	7	59
155	Metabolic fingerprinting of Tomato Mosaic Virus infected <i>Solanum lycopersicum</i> . <i>Journal of Plant Physiology</i> , 2012 , 169, 1586-96	3.6	45
154	Metabolomic plasticity in GM and non-GM potato leaves in response to aphid herbivory and virus infection. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 1488-93	5.7	14

153	Pharmacokinetic and pharmacodynamic interaction between nifedipine and metformin in rats: competitive inhibition for metabolism of nifedipine and metformin by each other via CYP isozymes. <i>Xenobiotica</i> , 2012 , 42, 483-95	2	19
152	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
151	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
150	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
149	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
148	INVESTIGATION OF BRASSICA BIOCHEMICAL STATUS BY NMR-BASED METABOLOMICS. <i>Acta Horticulturae</i> , 2012 , 163-172	0.3	5
147	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
146	Transgressive segregation of primary and secondary metabolites in F(2) hybrids between <i>Jacobaea aquatica</i> and <i>J. vulgaris</i> . <i>Metabolomics</i> , 2012 , 8, 211-219	4.7	21
145	Metabolic fingerprinting by 1HNMR for discrimination of the two species used as <i>Radix Bupleuri</i> . <i>Planta Medica</i> , 2012 , 78, 926-33	3.1	19
144	Metabolite analysis of <i>Cannabis sativa</i> L. by NMR spectroscopy. <i>Methods in Molecular Biology</i> , 2012 , 815, 363-75	1.4	9
143	Pre-analytical method for NMR-based grape metabolic fingerprinting and chemometrics. <i>Analytica Chimica Acta</i> , 2011 , 703, 179-86	6.6	22
142	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
141	Comprehensive review on herbal medicine for energy intake suppression. <i>Obesity Reviews</i> , 2011 , 12, 499-514	10.6	23
140	Metabolic differentiations and classification of <i>Verbascum</i> species by NMR-based metabolomics. <i>Phytochemistry</i> , 2011 , 72, 2045-51	4	73
139	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
138	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
137	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
136	NMR-based plant metabolomics: where do we stand, where do we go?. <i>Trends in Biotechnology</i> , 2011 , 29, 267-75	15.1	294

135	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
134	Metabolomics for bioactivity assessment of natural products. <i>Phytotherapy Research</i> , 2011 , 25, 157-69	6.7	97
133	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
132	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
131	Metabolic alterations in different developmental stages of <i>Pilocarpus microphyllus</i> . <i>Planta Medica</i> , 2011 , 77, 293-300	3.1	9
130	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
129	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
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