

KNApSAcK Family Databases: Integrated Metaboliteâ€™ Multifaceted Plant Research

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Metab2MeSH: annotating compounds with medical subject headings. <i>Bioinformatics</i> , 2012, 28, 1408-1410.	4.1	33
2	Plant & Cell Physiology Research Highlights. <i>Plant and Cell Physiology</i> , 2012, 53, 1985-1988.	3.1	1
3	Systems Biology Approaches and Metabolomics for Understanding Japanese Traditional Kampo Medicine. <i>Current Pharmacogenomics and Personalized Medicine</i> , 2012, 10, 111-124.	0.2	8
4	Quinolizidine alkaloid biosynthesis: recent advances and future prospects. <i>Frontiers in Plant Science</i> , 2012, 3, 239.	3.6	76
5	The use of metabolomics to dissect plant responses to abiotic stresses. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3225-3243.	5.4	680
6	Role of Metabolomics in Crop Improvement. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2012, 21, 24-31.	1.7	21
7	KNAPSAck-3D: A Three-Dimensional Structure Database of Plant Metabolites. <i>Plant and Cell Physiology</i> , 2013, 54, e4-e4.	3.1	51
8	StreptomeDB: a resource for natural compounds isolated from <i>Streptomyces</i> species. <i>Nucleic Acids Research</i> , 2013, 41, D1130-D1136.	14.5	107
9	Bioinformatics opportunities for identification and study of medicinal plants. <i>Briefings in Bioinformatics</i> , 2013, 14, 238-250.	6.5	80
10	Coupling Deep Transcriptome Analysis with Untargeted Metabolic Profiling in <i>Ophiorrhiza pumila</i> to Further the Understanding of the Biosynthesis of the Anti-Cancer Alkaloid Camptothecin and Anthraquinones. <i>Plant and Cell Physiology</i> , 2013, 54, 686-696.	3.1	88
11	DATA MINING METHODS FOR OMICS AND KNOWLEDGE OF CRUDE MEDICINAL PLANTS TOWARD BIG DATA BIOLOGY. <i>Computational and Structural Biotechnology Journal</i> , 2013, 4, e201301010.	4.1	46
12	Metabolomics for unknown plant metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5005-5011.	3.7	93
13	Phytochemical genomics – a new trend. <i>Current Opinion in Plant Biology</i> , 2013, 16, 373-380.	7.1	112
14	INTEGRATED LC-MS/MS SYSTEM FOR PLANT METABOLOMICS. <i>Computational and Structural Biotechnology Journal</i> , 2013, 4, e201301011.	4.1	32
15	Suppression of camptothecin biosynthetic genes results in metabolic modification of secondary products in hairy roots of <i>Ophiorrhiza pumila</i> . <i>Phytochemistry</i> , 2013, 91, 128-139.	2.9	51
16	COMPUTATIONAL TOOLS FOR THE SECONDARY ANALYSIS OF METABOLOMICS EXPERIMENTS. <i>Computational and Structural Biotechnology Journal</i> , 2013, 4, e201301003.	4.1	62
17	Leveraging biodiversity knowledge for potential phyto-therapeutic applications. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013, 20, 668-679.	4.4	19
18	Recent Progress in the Development of Metabolome Databases for Plant Systems Biology. <i>Frontiers in Plant Science</i> , 2013, 4, 73.	3.6	68

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20	Phytochemical Genomics on the Way. <i>Plant and Cell Physiology</i> , 2013, 54, 645-646.	3.1	25
21	Systematization of the Protein Sequence Diversity in Enzymes Related to Secondary Metabolic Pathways in Plants, in the Context of Big Data Biology Inspired by the KNApSACK Motorcycle Database. <i>Plant and Cell Physiology</i> , 2013, 54, 711-727.	3.1	18
22	PosMed: ranking genes and bioresources based on Semantic Web Association Study. <i>Nucleic Acids Research</i> , 2013, 41, W109-W114.	14.5	15
23	Rethinking Mass Spectrometry-Based Small Molecule Identification Strategies in Metabolomics. <i>Mass Spectrometry</i> , 2014, 3, S0038-S0038.	0.6	15
24	Winners of CASMI2013: Automated Tools and Challenge Data. <i>Mass Spectrometry</i> , 2014, 3, S0039-S0039.	0.6	24
25	Clustering of 3D α CS Structure Similarity Based Network of Secondary Metabolites Reveals Their Relationships with Biological Activities. <i>Molecular Informatics</i> , 2014, 33, 790-801.	2.5	18
26	Metabolome-scale prediction of intermediate compounds in multistep metabolic pathways with a recursive supervised approach. <i>Bioinformatics</i> , 2014, 30, i165-i174.	4.1	15
27	Integrated Text Mining and Chemoinformatics Analysis Associates Diet to Health Benefit at Molecular Level. <i>PLoS Computational Biology</i> , 2014, 10, e1003432.	3.2	31
28	Plant and Cell Physiology 2014 Online Database Issue. <i>Plant and Cell Physiology</i> , 2014, 55, 1-2.	3.1	35
29	Arabidopsis ENHANCED DISEASE SUSCEPTIBILITY1 promotes systemic acquired resistance via azelaic acid and its precursor 9-oxo nonanoic acid. <i>Journal of Experimental Botany</i> , 2014, 65, 5919-5931.	4.8	60
30	Tools and Databases of the KOMICS Web Portal for Preprocessing, Mining, and Dissemination of Metabolomics Data. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	38
31	Exploring the Arabidopsis sulfur metabolome. <i>Plant Journal</i> , 2014, 77, 31-45.	5.7	60
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33	RARGE II: An Integrated Phenotype Database of Arabidopsis Mutant Traits Using a Controlled Vocabulary. <i>Plant and Cell Physiology</i> , 2014, 55, e4-e4.	3.1	32
34	TIPdb-3D: the three-dimensional structure database of phytochemicals from Taiwan indigenous plants. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, bau055-bau055.	3.0	29
35	Ectopic Expression of a Loblolly Pine Class II 4-Coumarate:CoA Ligase Alters Soluble Phenylpropanoid Metabolism but not Lignin Biosynthesis in Populus. <i>Plant and Cell Physiology</i> , 2014, 55, 1669-1678.	3.1	19
36	Systems Biology in the Context of Big Data and Networks. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	75

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37	Supervised Clustering Based on DPCLUSO: Prediction of Plant-Disease Relations Using Jamu Formulas of KNApSACK Database. <i>BioMed Research International</i> , 2014, 2014, 1-15.	1.9	21
38	Stress-responsive hydroxycinnamate glycosyltransferase modulates phenylpropanoid metabolism in <i>Populus</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 4191-4200.	4.8	24
39	Toward better annotation in plant metabolomics: isolation and structure elucidation of 36 specialized metabolites from <i>Oryza sativa</i> (rice) by using MS/MS and NMR analyses. <i>Metabolomics</i> , 2014, 10, 543-555.	3.0	76
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47	Untargeted Metabolomics as a Screening Tool for Estimating Compliance to a Dietary Pattern. <i>Journal of Proteome Research</i> , 2014, 13, 1405-1418.	3.7	121
48	Multi-scale engineering of plant cell cultures for promotion of specialized metabolism. <i>Current Opinion in Biotechnology</i> , 2014, 29, 163-170.	6.6	18
49	A network perspective on nitrogen metabolism from model to crop plants using integrated "omics" approaches. <i>Journal of Experimental Botany</i> , 2014, 65, 5619-5630.	4.8	54
50	Chemo- and bioinformatics resources for in silico drug discovery from medicinal plants beyond their traditional use: a critical review. <i>Natural Product Reports</i> , 2014, 31, 1585-1611.	10.3	104
51	Discrimination of conventional and organic white cabbage from a long-term field trial study using untargeted LC-MS-based metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2885-2897.	3.7	39
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56	Ectopic expression of snapdragon transcription factors facilitates the identification of genes encoding enzymes of anthocyanin decoration in tomato. <i>Plant Journal</i> , 2015, 83, 686-704.	5.7	62
57	Metabolic fingerprinting of <i>Arabidopsis thaliana</i> accessions. <i>Frontiers in Plant Science</i> , 2015, 6, 365.	3.6	24
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67	Traditionally used medicinal plants against uncomplicated urinary tract infections: Are unusual, flavan-4-ol- and derhamnosylmaysin derivatives responsible for the antiadhesive activity of extracts obtained from stigmata of <i>Zea mays</i> L. against uropathogenic <i>E. coli</i> and Benzethonium chloride as frequent contaminant faking potential antibacterial activities?. <i>FÄ-toterapÄ-Äc</i> , 2015, 105, 246-253.	2.2	20
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77	Folic acid induces salicylic acid-dependent immunity in <i>A. thaliana</i> and enhances susceptibility to <i>A. thaliana</i> <i>Alternaria brassicicola</i> . <i>Molecular Plant Pathology</i> , 2015, 16, 616-622.	4.2	41
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87	Metabolic pathway reconstruction strategies for central metabolism and natural product biosynthesis. <i>Biophysics and Physicobiology</i> , 2016, 13, 195-205.	1.0	16
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95	Identification of Enzyme Genes Using Chemical Structure Alignments of Substrate ⁺ Product Pairs. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 510-516.	5.4	17
96	Mutations in jasmonoyl-L-isoleucine-12-hydroxylases suppress multiple JA-dependent wound responses in <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1396-1408.	2.4	38
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103	Genome-Wide Prediction of Metabolic Enzymes, Pathways, and Gene Clusters in Plants. <i>Plant Physiology</i> , 2017, 173, 2041-2059.	4.8	333
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110	Data Resources for the Computer-Guided Discovery of Bioactive Natural Products. Journal of Chemical Information and Modeling, 2017, 57, 2099-2111.	5.4	131
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112	Phytochemical Genomics of Ashwagandha. , 2017, , 3-36.		13
113	Metabolomic Studies of Indonesian Jamu Medicines: Prediction of Jamu Efficacy and Identification of Important Metabolites. Molecular Informatics, 2017, 36, 1700050.	2.5	17
114	Jatropha Metabolomics. Compendium of Plant Genomes, 2017, , 83-96.	0.5	1
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145	Insights into Tissue-specific Specialized Metabolism in Tieguanyin Tea Cultivar by Untargeted Metabolomics. <i>Molecules</i> , 2018, 23, 1817.	3.8	24

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147	Sistemax, an Online Web-Based Cheminformatics Tool for Data Management of Secondary Metabolites. Molecules, 2018, 23, 103.	3.8	41
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