

Kyo-Bin Kang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

14,736
citations

304743

22
h-index

182427

51
g-index

61
all docs

61
docs citations

61
times ranked

17991
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019, 37, 852-857.	17.5	11,167
2	Feature-based molecular networking in the GNPS analysis environment. <i>Nature Methods</i> , 2020, 17, 905-908.	19.0	650
3	Reproducible molecular networking of untargeted mass spectrometry data using GNPS. <i>Nature Protocols</i> , 2020, 15, 1954-1991.	12.0	344
4	MolNetEnhancer: Enhanced Molecular Networks by Integrating Metabolome Mining and Annotation Tools. <i>Metabolites</i> , 2019, 9, 144.	2.9	245
5	Genome and evolution of the shade-requiring medicinal herb <i>Panax ginseng</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 1904-1917.	8.3	136
6	NPClassifier: A Deep Neural Network-Based Structural Classification Tool for Natural Products. <i>Journal of Natural Products</i> , 2021, 84, 2795-2807.	3.0	131
7	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	8.0	81
8	Advances in decomposing complex metabolite mixtures using substructure- and network-based computational metabolomics approaches. <i>Natural Product Reports</i> , 2021, 38, 1967-1993.	10.3	78
9	Ginsenoside 20(S)-Rh2 exerts anti-cancer activity through targeting IL-6-induced JAK2/STAT3 pathway in human colorectal cancer cells. <i>Journal of Ethnopharmacology</i> , 2016, 194, 83-90.	4.1	76
10	Anti-Influenza Activity of Betulinic Acid from <i>Zizyphus jujuba</i> on Influenza A/PR/8 Virus. <i>Biomolecules and Therapeutics</i> , 2015, 23, 345-349.	2.4	70
11	Comprehensive mass spectrometry-guided phenotyping of plant specialized metabolites reveals metabolic diversity in the cosmopolitan plant family Rhamnaceae. <i>Plant Journal</i> , 2019, 98, 1134-1144.	5.7	59
12	Jubanines F, cyclopeptide alkaloids from the roots of <i>Zizyphus jujuba</i> . <i>Phytochemistry</i> , 2015, 119, 90-95.	2.9	53
13	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in raw and processed foods and beverages. <i>Food Chemistry</i> , 2020, 302, 125290.	8.2	52
14	Targeted Isolation of Neuroprotective Dicoumaroyl Neolignans and Lignans from <i>Sageretia theezans</i> Using <i>in Silico</i> Molecular Network Annotation Propagation-Based Dereplication. <i>Journal of Natural Products</i> , 2018, 81, 1819-1828.	3.0	44
15	Identification of candidate UDP-glycosyltransferases involved in protopanaxadiol-type ginsenoside biosynthesis in <i>Panax ginseng</i> . <i>Scientific Reports</i> , 2018, 8, 11744.	3.3	41
16	Molecular Networking Reveals the Chemical Diversity of Selaginellin Derivatives, Natural Phosphodiesterase-4 Inhibitors from <i>Selaginella tamariscina</i> . <i>Journal of Natural Products</i> , 2019, 82, 1820-1830.	3.0	40
17	Identification of ginsenoside markers from dry purified extract of <i>Panax ginseng</i> by a dereplication approach and UPLC-QTOF/MS analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 109, 91-104.	2.8	35
18	Linking a Gene Cluster to Atranorin, a Major Cortical Substance of Lichens, through Genetic Dereplication and Heterologous Expression. <i>MBio</i> , 2021, 12, e0111121.	4.1	33

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19	Cytotoxic Ceanothane- and Lupane-Type Triterpenoids from the Roots of <i>Ziziphus jujuba</i> . Journal of Natural Products, 2016, 79, 2364-2375.	3.0	28
20	Acylphloroglucinolated Catechin and Phenylethyl Isocoumarin Derivatives from <i>Agrimonia pilosa</i> . Journal of Natural Products, 2016, 79, 2376-2383.	3.0	24
21	<i>C</i> -Methylated Flavonoid Glycosides from <i>Pentarhizidium orientale</i> Rhizomes and Their Inhibitory Effects on the H1N1 Influenza Virus. Journal of Natural Products, 2017, 80, 2818-2824.	3.0	24
22	Combined Application of UHPLC-QTOF/MS, HPLC-ELSD and ¹ H-NMR Spectroscopy for Quality Assessment of DA-9801, A Standardised <i>Dioscorea</i> Extract. Phytochemical Analysis, 2017, 28, 185-194.	2.4	23
23	Antiplasmodial Activity, Cytotoxicity and Structure-Activity Relationship Study of Cyclopeptide Alkaloids. Molecules, 2017, 22, 224.	3.8	22
24	A Metabolic Choreography of Maize Plants Treated with a Humic Substance-Based Biostimulant under Normal and Starved Conditions. Metabolites, 2021, 11, 403.	2.9	21
25	Catechin-Bound Ceanothane-Type Triterpenoid Derivatives from the Roots of <i>Zizyphus jujuba</i> . Journal of Natural Products, 2017, 80, 1048-1054.	3.0	17
26	Tandem Mass Spectrometry Molecular Networking as a Powerful and Efficient Tool for Drug Metabolism Studies. Analytical Chemistry, 2022, 94, 1456-1464.	6.5	17
27	Berchemiosides A-C, 2-Acetoxy- β -phenylpentaene Fatty Acid Triglycosides from the Unripe Fruits of <i>Berchemia berchemiifolia</i> . Journal of Natural Products, 2017, 80, 2778-2786.	3.0	16
28	Assessing specialized metabolite diversity of <i>Alnus</i> species by a digitized LC-MS/MS data analysis workflow. Phytochemistry, 2020, 173, 112292.	2.9	15
29	Prediction of tyrosinase inhibitory activities of <i>Morus alba</i> root bark extracts from HPLC fingerprints. Microchemical Journal, 2013, 110, 731-738.	4.5	14
30	Ceanothane- and lupane-type triterpene esters from the roots of <i>Hovenia dulcis</i> and their antiproliferative activity on HSC-T6 cells. Phytochemistry, 2017, 142, 60-67.	2.9	14
31	Species Prioritization Based on Spectral Dissimilarity: A Case Study of Polyporoid Fungal Species. Journal of Natural Products, 2021, 84, 298-309.	3.0	14
32	Unique Triterpenoid of Jujube Root Protects Cisplatin-induced Damage in Kidney Epithelial LLC-PK1 Cells via Autophagy Regulation. Nutrients, 2020, 12, 677.	4.1	11
33	UHPLC-ESI-qTOF-MS Analysis of Cyclopeptide Alkaloids in the Seeds of <i>Ziziphus jujuba</i> var. <i>spinosa</i> . Mass Spectrometry Letters, 2016, 7, 45-49.	0.5	10
34	The complete chloroplast genome sequence of Korean <i>Lonicera japonica</i> and intra-species diversity. Mitochondrial DNA Part B: Resources, 2018, 3, 941-942.	0.4	9
35	FgPKS7 is an essential player in mating-type-mediated regulatory pathway required for completing sexual cycle in <i>Fusarium graminearum</i> . Environmental Microbiology, 2021, 23, 1972-1990.	3.8	8
36	Chemical and Biological Profiles of <i>Dendrobium</i> in Two Different Species, Their Hybrid, and Gamma-Irradiated Mutant Lines of the Hybrid Based on LC-QToF MS and Cytotoxicity Analysis. Plants, 2021, 10, 1376.	3.5	8

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37	Multiple Targets of 3-Dehydroxyceanothetric Acid 2-Methyl Ester to Protect Against Cisplatin-Induced Cytotoxicity in Kidney Epithelial LLC-PK1 Cells. <i>Molecules</i> , 2019, 24, 878.	3.8	7
38	Combined MS/MS-NMR Annotation Guided Discovery of <i>Iris lactea</i> var. <i>chinensis</i> Seed as a Source of Viral Neuraminidase Inhibitory Polyphenols. <i>Molecules</i> , 2020, 25, 3383.	3.8	7
39	Cyclohumulanoid Sesquiterpenes Induced by the Noncompetitive Coculture of <i>Phellinus orientoasiaticus</i> and <i>Xylodon flaviporus</i> . <i>Journal of Natural Products</i> , 2022, , .	3.0	7
40	Argininoscologanin, a secoiridoid-derived guanidine alkaloid from the roots of <i>Lonicera insularis</i> . <i>Natural Product Research</i> , 2018, 32, 788-794.	1.8	6
41	Chemical and genomic diversity of six <i>Lonicera</i> species occurring in Korea. <i>Phytochemistry</i> , 2018, 155, 126-135.	2.9	6
42	Assessing the genetic and chemical diversity of <i>Taraxacum</i> species in the Korean Peninsula. <i>Phytochemistry</i> , 2021, 181, 112576.	2.9	6
43	Genetic and chemical markers for authentication of three <i>Artemisia</i> species: <i>A. capillaris</i> , <i>A. gmelinii</i> , and <i>A. fukudo</i> . <i>PLoS ONE</i> , 2022, 17, e0264576.	2.5	6
44	Comparative transcriptome and metabolome analyses of four <i>Panax</i> species explore the dynamics of metabolite biosynthesis. <i>Journal of Ginseng Research</i> , 2023, 47, 44-53.	5.7	5
45	Classification of <i>Bupleuri Radix</i> according to Geographical Origins using Near Infrared Spectroscopy (NIRS) Combined with Supervised Pattern Recognition. <i>Natural Product Sciences</i> , 2018, 24, 164.	0.9	4
46	Simultaneous Determination and Stability Test of Two Phthalic Anhydride Derivatives, Senkyunolide A and Ligustilide, in the Water Extract of <i>Cnidium</i> Rhizome from Different Geographical Regions and Species Using HPLC-UV Analysis. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 784-788.	1.9	3
47	Rhamnelloides A and B, 1-Phenylpentaene Fatty Acid Amide Diglycosides from the Fruits of <i>Rhamnella franguloides</i> . <i>Molecules</i> , 2018, 23, 752.	3.8	3
48	Identification of Antibacterial Sterols from Korean Wild Mushroom <i>Daedaleopsis confragosa</i> via Bioactivity- and LC-MS/MS Profile-Guided Fractionation. <i>Molecules</i> , 2022, 27, 1865.	3.8	3
49	Antioxidant and Anti-Inflammatory Effects of 3-Dehydroxyceanothetric Acid 2-Methyl Ester Isolated from <i>Ziziphus jujuba</i> Mill. against Cisplatin-Induced Kidney Epithelial Cell Death. <i>Biomolecules</i> , 2021, 11, 1614.	4.0	2
50	Identification and Semi-Synthesis of 3-O-Protocatechuoylceanothric Acid, a Novel and Natural GPR120 Agonist. <i>Molecules</i> , 2019, 24, 3487.	3.8	1