Kyo-Bin Kang

List of Publications by Citations

54 papers	5,589 citations	21 h-index	61 g-index
61 ext. papers	10,334 ext. citations	6.4 avg, IF	4.59 L-index

#	Paper	IF	Citations
54	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. *Nature Biotechnology*, **2019**, 37, 852-857	44.5	4050
53	Feature-based molecular networking in the GNPS analysis environment. *Nature Methods*, **2020**, 17, 905-9086	28.6	207
52	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science		138
51	Reproducible molecular networking of untargeted mass spectrometry data using GNPS. *Nature Protocols*, **2020**, 15, 1954-1991	18.8	125
50	MolNetEnhancer: Enhanced Molecular Networks by Integrating Metabolome Mining and Annotation Tools. *Metabolites*, **2019**, 9,	5.6	101
49	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science **2018**,		78
48	Genome and evolution of the shade-requiring medicinal herb Panax ginseng. *Plant Biotechnology Journal*, **2018**, 16, 1904-1917	11.6	77
47	Ginsenoside 20(S)-Rh2 exerts anti-cancer activity through targeting IL-6-induced JAK2/STAT3 pathway in human colorectal cancer cells. *Journal of Ethnopharmacology*, **2016**, 194, 83-90	5	52
46	Anti-Influenza Activity of Betulinic Acid from Zizyphus jujuba on Influenza A/PR/8 Virus. *Biomolecules and Therapeutics*, **2015**, 23, 345-9	4.2	43
45	Jubanines F-J, cyclopeptide alkaloids from the roots of Ziziphus jujuba. *Phytochemistry*, **2015**, 119, 90-5	4	39
44	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science		36
43	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in raw and processed foods and beverages. *Food Chemistry*, **2020**, 302, 125290	8.5	34
42	Comprehensive mass spectrometry-guided phenotyping of plant specialized metabolites reveals metabolic diversity in the cosmopolitan plant family Rhamnaceae. *Plant Journal*, **2019**, 98, 1134-1144	6.9	32
41	A community resource for paired genomic and metabolomic data mining. *Nature Chemical Biology*, **2021**, 17, 363-368	11.7	32
40	Feature-based Molecular Networking in the GNPS Analysis Environment		29
39	Identification of ginsenoside markers from dry purified extract of Panax ginseng by a dereplication approach and UPLC-QTOF/MS analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 109, 91-104	3.5	27
38	Targeted Isolation of Neuroprotective Dicoumaroyl Neolignans and Lignans from Sageretia theezans Using in Silico Molecular Network Annotation Propagation-Based Dereplication. *Journal of Natural Products*, **2018**, 81, 1819-1828	4.9	26

37	Cytotoxic Ceanothane- and Lupane-Type Triterpenoids from the Roots of Ziziphus jujuba. *Journal of Natural Products*, **2016**, 79, 2364-75	4.9	23
36	Molecular Networking Reveals the Chemical Diversity of Selaginellin Derivatives, Natural Phosphodiesterase-4 Inhibitors from. *Journal of Natural Products*, **2019**, 82, 1820-1830	4.9	21
35	NPClassifier: A Deep Neural Network-Based Structural Classification Tool for Natural Products. *Journal of Natural Products*, **2021**, 84, 2795-2807	4.9	21
34	Identification of candidate UDP-glycosyltransferases involved in protopanaxadiol-type ginsenoside biosynthesis in Panax ginseng. *Scientific Reports*, **2018**, 8, 11744	4.9	19
33	Acylphloroglucinolated Catechin and Phenylethyl Isocoumarin Derivatives from Agrimonia pilosa. *Journal of Natural Products*, **2016**, 79, 2376-83	4.9	18
32	Antiplasmodial Activity, Cytotoxicity and Structure-Activity Relationship Study of Cyclopeptide Alkaloids. *Molecules*, **2017**, 22,	4.8	17
31	C-Methylated Flavonoid Glycosides from Pentarhizidium orientale Rhizomes and Their Inhibitory Effects on the H1N1 Influenza Virus. *Journal of Natural Products*, **2017**, 80, 2818-2824	4.9	15
30	Combined Application of UHPLC-QTOF/MS, HPLC-ELSD and H-NMR Spectroscopy for Quality Assessment of DA-9801, A Standardised Dioscorea Extract. *Phytochemical Analysis*, **2017**, 28, 185-194	3.4	14
29	Catechin-Bound Ceanothane-Type Triterpenoid Derivatives from the Roots of Zizyphus jujuba. *Journal of Natural Products*, **2017**, 80, 1048-1054	4.9	13
28	Berchemiosides A-C, 2-Acetoxy-□phenylpentaene Fatty Acid Triglycosides from the Unripe Fruits of Berchemia berchemiifolia. *Journal of Natural Products*, **2017**, 80, 2778-2786	4.9	13
27	Prediction of tyrosinase inhibitory activities of Morus alba root bark extracts from HPLC fingerprints. *Microchemical Journal*, **2013**, 110, 731-738	4.8	13
26	Ceanothane- and lupane-type triterpene esters from the roots of Hovenia dulcis and their antiproliferative activity on HSC-T6 cells. *Phytochemistry*, **2017**, 142, 60-67	4	12
25	Advances in decomposing complex metabolite mixtures using substructure- and network-based computational metabolomics approaches. *Natural Product Reports*, **2021**, 38, 1967-1993	15.1	11
24	MolNetEnhancer: enhanced molecular networks by integrating metabolome mining and annotation tools		10
23	A Metabolic Choreography of Maize Plants Treated with a Humic Substance-Based Biostimulant under Normal and Starved Conditions. *Metabolites*, **2021**, 11,	5.6	10
22	NPClassifier: A Deep Neural Network-Based Structural Classification Tool for Natural Products		9
21	Assessing specialized metabolite diversity of Alnus species by a digitized LC-MS/MS data analysis workflow. *Phytochemistry*, **2020**, 173, 112292	4	9
20	Linking a Gene Cluster to Atranorin, a Major Cortical Substance of Lichens, through Genetic Dereplication and Heterologous Expression. *MBio*, **2021**, 12, e0111121	7.8	9

19	The complete chloroplast genome sequence of Korean and intra-species diversity. *Mitochondrial DNA Part B: Resources*, **2018**, 3, 941-942	0.5	9
18	Reproducible Molecular Networking Of Untargeted Mass Spectrometry Data Using GNPS.		7
17	Unique Triterpenoid of Jujube Root Protects Cisplatin-induced Damage in Kidney Epithelial LLC-PK1 Cells via Autophagy Regulation. *Nutrients*, **2020**, 12,	6.7	6
16	Multiple Targets of 3-Dehydroxyceanothetric Acid 2-Methyl Ester to Protect Against Cisplatin-Induced Cytotoxicity in Kidney Epithelial LLC-PK1 Cells. *Molecules*, **2019**, 24,	4.8	5
15	UHPLC-ESI-qTOF-MS Analysis of Cyclopeptide Alkaloids in the Seeds of Ziziphus jujuba var. spinosa. *Mass Spectrometry Letters*, **2016**, 7, 45-49		5
14	Chemical and genomic diversity of six Lonicera species occurring in Korea. *Phytochemistry*, **2018**, 155, 126-135	4	4
13	Assessing the genetic and chemical diversity of Taraxacum species in the Korean Peninsula. *Phytochemistry*, **2021**, 181, 112576	4	4
12	Argininosecologanin, a secoiridoid-derived guanidine alkaloid from the roots of Lonicera insularis. *Natural Product Research*, **2018**, 32, 788-794	2.3	4
11	Classficiation of Bupleuri Radix according to Geographical Origins using Near Infrared Spectroscopy (NIRS) Combined with Supervised Pattern Recognition. *Natural Product Sciences*, **2018**, 24, 164	1.1	4
10	Tandem Mass Spectrometry Molecular Networking as a Powerful and Efficient Tool for Drug Metabolism Studies.. *Analytical Chemistry*, **2022**,	7.8	3
9	NPClassifier: A Deep Neural Network-Based Structural Classification Tool for Natural Products		3
8	Species Prioritization Based on Spectral Dissimilarity: A Case Study of Polyporoid Fungal Species. *Journal of Natural Products*, **2021**, 84, 298-309	4.9	3
7	Rhamnellosides A and B, Phenylpentaene Fatty Acid Amide Diglycosides from the Fruits of Rhamnella franguloides. *Molecules*, **2018**, 23,	4.8	2
6	Cyclohumulanoid Sesquiterpenes Induced by the Noncompetitive Coculture of and .. *Journal of Natural Products*, **2022**,	4.9	2
5	Combined MS/MS-NMR Annotation Guided Discovery of var. Seed as a Source of Viral Neuraminidase Inhibitory Polyphenols. *Molecules*, **2020**, 25,	4.8	2
4	Chemical and Biological Profiles of 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,	4.5	2
3	FgPKS7 is an essential player in mating-type-mediated regulatory pathway required for completing sexual cycle in Fusarium graminearum. *Environmental Microbiology*, **2021**, 23, 1972-1990	5.2	2
2	Simultaneous Determination and Stability Test of Two Phthalic Anhydride Derivatives, Senkyunolide A and Z-Ligustilide, in the Water Extract of Cnidium Rhizome from Different Geographical Regions and Species Using HPLC-UVD Analysis. *Bulletin of the Korean Chemical Society* , **2018**, 39, 784-788	1.2	1

1	Genetic and chemical markers for authentication of three Artemisia species: A. capillaris, A. gmelinii, and A. fukudo.. *PLoS ONE*, **2022**, 17, e0264576	3.7	1