

# Imhoi Koo

## List of Publications by Citations

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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.

41  
papers

863  
citations

18  
h-index

29  
g-index

49  
ext. papers

1,084  
ext. citations

4.9  
avg, IF

4.13  
L-index

#	Paper	IF	Citations
41	Comparative analysis of mass spectral matching-based compound identification in gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2013</b> , 1298, 132-8	4.5	62
40	MetSign: a computational platform for high-resolution mass spectrometry-based metabolomics. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7668-75	7.8	56
39	Wavelet- and Fourier-transform-based spectrum similarity approaches to compound identification in gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 5631-8	7.8	56
38	Metabolomic analysis of the effects of chronic arsenic exposure in a mouse model of diet-induced Fatty liver disease. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 547-554	5.6	53
37	MetPP: a computational platform for comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry-based metabolomics. <i>Bioinformatics</i> , <b>2013</b> , 29, 1786-92	7.2	51
36	Berberine Directly Affects the Gut Microbiota to Promote Intestinal Farnesoid X Receptor Activation. <i>Drug Metabolism and Disposition</i> , <b>2019</b> , 47, 86-93	4	50
35	The microbiome modulating activity of bile acids. <i>Gut Microbes</i> , <b>2020</b> , 11, 979-996	8.8	49
34	A method of finding optimal weight factors for compound identification in gas chromatography-mass spectrometry. <i>Bioinformatics</i> , <b>2012</b> , 28, 1158-63	7.2	42
33	Compound identification using partial and semipartial correlations for gas chromatography-mass spectrometry data. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6477-87	7.8	36
32	Multivariate classification of urine metabolome profiles for breast cancer diagnosis. <i>BMC Bioinformatics</i> , <b>2010</b> , 11 Suppl 2, S4	3.6	35
31	Intestinal microbiota-derived tryptophan metabolites are predictive of Ah receptor activity. <i>Gut Microbes</i> , <b>2020</b> , 12, 1-24	8.8	35
30	Compound identification in GC-MS by simultaneously evaluating the mass spectrum and retention index. <i>Analyst, The</i> , <b>2014</b> , 139, 2507-14	5	34
29	iMatch2: compound identification using retention index for analysis of gas chromatography-mass spectrometry data. <i>Journal of Chromatography A</i> , <b>2014</b> , 1337, 202-10	4.5	33
28	Genetic Effects of FTO and MC4R Polymorphisms on Body Mass in Constitutional Types. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2011</b> , 2011, 106390	2.3	29
27	The Pretreatment Gut Microbiome Is Associated With Lack of Response to Methotrexate in New-Onset Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , <b>2021</b> , 73, 931-942	9.5	28
26	Smith-Waterman peak alignment for comprehensive two-dimensional gas chromatography-mass spectrometry. <i>BMC Bioinformatics</i> , <b>2011</b> , 12, 235	3.6	27
25	Effects of Dietary Different Doses of Copper and High Fructose Feeding on Rat Fecal Metabolome. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 4050-8	5.6	23

24	Comparison of pathways associated with hepatitis B- and C-infected hepatocellular carcinoma using pathway-based class discrimination method. <i>Genomics</i> , <b>2012</b> , 99, 347-54	4.3	19
23	Feature selection from a facial image for distinction of sasang constitution. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2009</b> , 6 Suppl 1, 65-71	2.3	18
22	Metatranscriptomic Analysis of the Mouse Gut Microbiome Response to the Persistent Organic Pollutant 2,3,7,8-Tetrachlorodibenzofuran. <i>Metabolites</i> , <b>2019</b> , 10,	5.6	18
21	A large scale test dataset to determine optimal retention index threshold based on three mass spectral similarity measures. <i>Journal of Chromatography A</i> , <b>2012</b> , 1251, 188-193	4.5	16
20	Analysis of stable isotope assisted metabolomics data acquired by GC-MS. <i>Analytica Chimica Acta</i> , <b>2017</b> , 980, 25-32	6.6	11
19	Evaluation of Animal Models by Comparison with Human Late-Onset Alzheimer's Disease. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 9234-9250	6.2	11
18	Normal-Gamma-Bernoulli Peak Detection for Analysis of Comprehensive Two-Dimensional Gas Chromatography Mass Spectrometry Data. <i>Computational Statistics and Data Analysis</i> , <b>2017</b> , 105, 96-111	1.6	8
17	Recurrence-associated pathways in hepatitis B virus-positive hepatocellular carcinoma. <i>BMC Genomics</i> , <b>2015</b> , 16, 279	4.5	7
16	Analysis of metabolomic profiling data acquired on GC-MS. <i>Methods in Enzymology</i> , <b>2014</b> , 543, 315-24	1.7	7
15	Metabolic impact of persistent organic pollutants on gut microbiota. <i>Gut Microbes</i> , <b>2020</b> , 12, 1-16	8.8	6
14	Comparative analysis of false discovery rate methods in constructing metabolic association networks. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2014</b> , 12, 1450018	1	5
13	A method of calculating the second dimension hold-up time for comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , <b>2012</b> , 1260, 193-9	4.5	5
12	Association analyses of the INSIG2 polymorphism in the obesity and cholesterol levels of Korean populations. <i>BMC Medical Genetics</i> , <b>2009</b> , 10, 96	2.1	5
11	Relative quantitation of restriction fragment length polymorphic DNAs via DNA melting analysis provides an effective way to determine allele frequencies. <i>Genomics</i> , <b>2009</b> , 94, 355-61	4.3	5
10	Current Challenges and Recent Developments in Mass Spectrometry-Based Metabolomics. <i>Annual Review of Analytical Chemistry</i> , <b>2021</b> , 14, 467-487	12.5	5
9	Multiplatform Physiologic and Metabolic Phenotyping Reveals Microbial Toxicity. <i>MSystems</i> , <b>2018</b> , 3,	7.6	4
8	Structural and Functional Analysis of the Gut Microbiome for Toxicologists. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2018</b> , 78, e54	1	4
7	Isolation and Identification of Aryl Hydrocarbon Receptor Modulators in White Button Mushrooms ( <i>L. edodes</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 9286-9294	5.7	3

6	Elder: A compound identification tool for gas chromatography mass spectrometry data. <i>Journal of Chromatography A</i> , <b>2016</b> , 1448, 107-114	4.5	3
5	Parameterized cross-validation for nonlinear regression models. <i>Neurocomputing</i> , <b>2008</b> , 71, 3089-3095	5.4	2
4	Similarity of therapeutic networks induced by a multi-component herbal remedy, Ukgansan, in neurovascular unit cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 2658	4.9	1
3	Constructing Metabolic Association Networks Using High-dimensional Mass Spectrometry Data. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2014</b> , 138, 193-202	3.8	1
2	Confidence Intervals for the Risks of Regression Models. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 755-764	6.4	0
1	Reconstruction of Metabolic Association Networks Using High-throughput Mass Spectrometry Data. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 160-167	0.9	0