

Sung-Tong Chin

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.

35
papers

1,088
citations

21
h-index

32
g-index

37
ext. papers

1,230
ext. citations

6.3
avg, IF

4.57
L-index

#	Paper	IF	Citations
35	Techniques and application in comprehensive multidimensional gas chromatography - mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1636, 461788	4.5	9
34	Advanced gas chromatography and mass spectrometry technologies for fatty acids and triacylglycerols analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 129, 115957	14.6	12
33	Mass-Spectrometry Analysis of Mixed-Breath, Isolated-Bronchial-Breath, and Gastric-Endoluminal-Air Volatile Fatty Acids in Esophagogastric Cancer. <i>Analytical Chemistry</i> , 2019 , 91, 3740-3746	7.8	13
32	Breath Volatile Organic Compound Profiling of Colorectal Cancer Using Selected Ion Flow-tube Mass Spectrometry. <i>Annals of Surgery</i> , 2019 , 269, 903-910	7.8	31
31	Multi-column trajectory to advanced methods in comprehensive two-dimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 106, 11-20	14.6	9
30	Cross-platform mass spectrometry annotation in breathomics of oesophageal-gastric cancer. <i>Scientific Reports</i> , 2018 , 8, 5139	4.9	16
29	Assessment of a Noninvasive Exhaled Breath Test for the Diagnosis of Oesophagogastric Cancer. <i>JAMA Oncology</i> , 2018 , 4, 970-976	13.4	45
28	Gas Chromatography-Mass Spectrometry in Odorant Analysis 2017 , 47-48		2
27	Introducing Students to Gas Chromatography/Mass Spectrometry Analysis and Determination of Kerosene Components in a Complex Mixture. <i>Journal of Chemical Education</i> , 2016 , 93, 742-746	2.4	8
26	Relating pressure tuned coupled column ensembles with the solvation parameter model for tunable selectivity in gas chromatography. <i>Journal of Chromatography A</i> , 2016 , 1455, 156-162	4.5	6
25	The microfluidic Deans switch: 50 years of progress, innovation and application. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 82, 35-54	14.6	30
24	Identification of aroma-active volatiles in banana Terra spirit using multidimensional gas chromatography with simultaneous mass spectrometry and olfactometry detection. <i>Journal of Chromatography A</i> , 2015 , 1388, 227-35	4.5	23
23	Evaluation of reversible interconversion in comprehensive two-dimensional gas chromatography using enantioselective columns in first and second dimensions. <i>Journal of Chromatography A</i> , 2015 , 1404, 104-14	4.5	9
22	Enantiomeric distribution of selected terpenes for authenticity assessment of Australian Melaleuca alternifolia oil. <i>Industrial Crops and Products</i> , 2015 , 67, 475-483	5.9	17
21	Evaluation of fast enantioselective multidimensional gas chromatography methods for monoterpenic compounds: Authenticity control of Australian tea tree oil. <i>Journal of Chromatography A</i> , 2015 , 1406, 307-15	4.5	21
20	Identification of odour-active compounds of pasteurised orange juice using multidimensional gas chromatography techniques. <i>Food Research International</i> , 2015 , 75, 281-288	7	33
19	Application of integrated comprehensive/multidimensional gas chromatography with mass spectrometry and olfactometry for aroma analysis in wine and coffee. <i>Food Chemistry</i> , 2015 , 185, 355-61	8.5	46

18	Review of the role and methodology of high resolution approaches in aroma analysis. <i>Analytica Chimica Acta</i> , 2015 , 854, 1-12	6.6	37
17	Evaluation of comprehensive two-dimensional gas chromatography with accurate mass time-of-flight mass spectrometry for the metabolic profiling of plant-fungus interaction in <i>Aquilaria malaccensis</i> . <i>Journal of Chromatography A</i> , 2015 , 1387, 104-15	4.5	26
16	Enantiomeric separation in comprehensive two-dimensional gas chromatography with accurate mass analysis. <i>Chirality</i> , 2014 , 26, 747-53	2.1	20
15	Multidimensional gas chromatography beyond simple volatiles separation. <i>Chemical Communications</i> , 2014 , 50, 8819-33	5.8	50
14	From Molecular Structures of Ionic Liquids to Predicted Retention of Fatty Acid Methyl Esters in Comprehensive Two-Dimensional Gas Chromatography. <i>ChemPlusChem</i> , 2014 , 79, 790-797	2.8	24
13	Profiling of soil fatty acids using comprehensive two-dimensional gas chromatography with mass spectrometry detection. <i>Journal of Chromatography A</i> , 2013 , 1317, 239-45	4.5	13
12	Benchmarking of candidate detectors for multiresidue analysis of pesticides by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2013 , 1311, 140-8	4.5	30
11	Characterisation of capillary ionic liquid columns for gas chromatography-mass spectrometry analysis of fatty acid methyl esters. <i>Analytica Chimica Acta</i> , 2013 , 803, 166-73	6.6	65
10	Integrated multidimensional and comprehensive 2D GC analysis of fatty acid methyl esters. <i>Journal of Separation Science</i> , 2013 , 36, 878-85	3.4	29
9	Multidimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 34, 1-21	14.6	194
8	Cumulative solid phase microextraction sampling for gas chromatography-olfactometry of Shiraz wine. <i>Journal of Chromatography A</i> , 2012 , 1255, 221-7	4.5	23
7	System design for integrated comprehensive and multidimensional gas chromatography with mass spectrometry and olfactometry. <i>Analytical Chemistry</i> , 2012 , 84, 9154-62	7.8	33
6	Identification of potent odourants in wine and brewed coffee using gas chromatography-olfactometry and comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 7487-98	4.5	85
5	Universal method for online enrichment of target compounds in capillary gas chromatography using in-oven cryotrapping. <i>Analytical Chemistry</i> , 2011 , 83, 6485-92	7.8	20
4	Simultaneous deconvolution and re-construction of primary and secondary overlapping peak clusters in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 2301-10	4.5	19
3	Effect of thermal processing and storage condition on the flavour stability of spray-dried durian powder. <i>LWT - Food Science and Technology</i> , 2010 , 43, 856-861	5.4	27
2	Observations on comprehensive two dimensional gas chromatography coupled with flame photometric detection for sulfur- and phosphorus-containing compounds. <i>Analytical Methods</i> , 2010 , 2, 243	3.2	27
1	Rapid Profiling of Animal-Derived Fatty Acids Using Fast GC [GC Coupled to Time-of-Flight Mass Spectrometry. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2009 , 86, 949-958	1.8	36

