

Brendon A Parsons

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

377
citations

840776

11
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of phase ratio for maximizing peak capacity in comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1536, 16-26.	3.7	17
2	Method to determine the true modulation ratio for comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2016, 1476, 114-123.	3.7	12
3	Chemical characterization of the acid alteration of diesel fuel: Non-targeted analysis by two-dimensional gas chromatography coupled with time-of-flight mass spectrometry with tile-based Fisher ratio and combinatorial threshold determination. <i>Journal of Chromatography A</i> , 2016, 1440, 179-190.	3.7	41
4	Performance evaluation of tile-based Fisher Ratio analysis using a benchmark yeast metabolome dataset. <i>Journal of Chromatography A</i> , 2016, 1459, 101-111.	3.7	34
5	Non-targeted determination of ¹³ C-labeling in the <i>Methylobacterium extorquens</i> AM1 metabolome using the two-dimensional mass cluster method and principal component analysis. <i>Journal of Chromatography A</i> , 2016, 1432, 111-121.	3.7	8
6	Pixel-Level Data Analysis Methods for Comprehensive Two-Dimensional Chromatography. <i>Data Handling in Science and Technology</i> , 2015, 29, 427-463.	3.1	12
7	An Optimised Procedure for PTFE Phase Vanishing Reactions: An Improved reaction Design and the use of Reagents Adsorbed on Silica. <i>Journal of Chemical Research</i> , 2015, 39, 574-581.	1.3	0
8	Properties of PTFE tape as a semipermeable membrane in fluorous reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 980-993.	2.2	4
9	Serial Plasma Metabolites Following Hypoxic-Ischemic Encephalopathy in a Nonhuman Primate Model. <i>Developmental Neuroscience</i> , 2015, 37, 161-171.	2.0	26
10	Modeling RP-1 fuel advanced distillation data using comprehensive two-dimensional gas chromatography coupled with time-of-flight mass spectrometry and partial least squares analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 321-330.	3.7	18
11	Trilinearity deviation ratio: A new metric for chemometric analysis of comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry data. <i>Analytica Chimica Acta</i> , 2015, 871, 66-76.	5.4	23
12	Tile-Based Fisher Ratio Analysis of Comprehensive Two-Dimensional Gas Chromatography Time-of-Flight Mass Spectrometry (GC-TOFMS) Data Using a Null Distribution Approach. <i>Analytical Chemistry</i> , 2015, 87, 3812-3819.	6.5	76
13	Tile-based Fisher-ratio software for improved feature selection analysis of comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry data. <i>Talanta</i> , 2013, 115, 887-895.	5.5	71
14	Fast, high peak capacity separations in comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1266, 116-123.	3.7	24
15	Demonstration of a Runaway Exothermic Reaction: Diels-Alder Reaction of (2 <i>E</i> ,4 <i>E</i>)-2,4-Hexadien-1-ol and Maleic Anhydride. <i>Journal of Chemical Education</i> , 2011, 88, 1553-1557.	2.3	11