

Takeshi Bamba

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

825
citations

623734

14
h-index

526287

27
g-index

38
all docs

38
docs citations

38
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	A shift in glutamine nitrogen metabolism contributes to the malignant progression of cancer. <i>Nature Communications</i> , 2020, 11, 1320.	12.8	141
2	Widely-targeted quantitative lipidomics method by supercritical fluid chromatography triple quadrupole mass spectrometry. <i>Journal of Lipid Research</i> , 2018, 59, 1283-1293.	4.2	94
3	Microbe participation in aroma production during soy sauce fermentation. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 688-694.	2.2	51
4	Lipidomic Analysis of Cells and Extracellular Vesicles from High- and Low-Metastatic Triple-Negative Breast Cancer. <i>Metabolites</i> , 2020, 10, 67.	2.9	49
5	Importance of optimizing chromatographic conditions and mass spectrometric parameters for supercritical fluid chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1508, 138-147.	3.7	48
6	Use of online supercritical fluid extraction-supercritical fluid chromatography/tandem mass spectrometry to analyze disease biomarkers in dried serum spots compared with serum analysis using liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 886-894.	1.5	41
7	Inter-Laboratory Comparison of Metabolite Measurements for Metabolomics Data Integration. <i>Metabolites</i> , 2019, 9, 257.	2.9	34
8	Development of a practical online supercritical fluid extraction-supercritical fluid chromatography/mass spectrometry system with an integrated split-flow method. <i>Journal of Chromatography A</i> , 2019, 1592, 161-172.	3.7	28
9	Dynamic Metabolome Analysis Reveals the Metabolic Fate of Medium-Chain Fatty Acids in AML12 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11997-12010.	5.2	28
10	A highly sensitive determination method for acrylamide in beverages, grains, and confectioneries by supercritical fluid chromatography tandem mass spectrometry. <i>Food Chemistry</i> , 2019, 294, 486-492.	8.2	25
11	Comparison of sequential derivatization with concurrent methods for GC/MS-based metabolomics. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 160-168.	2.2	25
12	Highly Accurate Detection and Identification Methodology of Xenobiotic Metabolites Using Stable Isotope Labeling, Data Mining Techniques, and Time-Dependent Profiling Based on LC/HRMS/MS. <i>Analytical Chemistry</i> , 2018, 90, 9068-9076.	6.5	24
13	Structural library and visualization of endogenously oxidized phosphatidylcholines using mass spectrometry-based techniques. <i>Nature Communications</i> , 2021, 12, 6339.	12.8	24
14	Performance of small-domain monolithic silica columns in nano-liquid chromatography and comparison with commercial packed bed columns with 2 Åµm particles. <i>Journal of Chromatography A</i> , 2020, 1616, 460804.	3.7	15
15	Development of a novel method for polar metabolite profiling by supercritical fluid chromatography/tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1632, 461587.	3.7	15
16	Method for Structural Determination of Lipid-Derived Radicals. <i>Analytical Chemistry</i> , 2020, 92, 6993-7002.	6.5	15
17	Improved quantitation of lipid classes using supercritical fluid chromatography with a charged aerosol detector. <i>Journal of Lipid Research</i> , 2019, 60, 1465-1474.	4.2	14
18	Kastor and Polluks polypeptides encoded by a single gene locus cooperatively regulate VDAC and spermatogenesis. <i>Nature Communications</i> , 2022, 13, 1071.	12.8	14

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19	Metabolomics approach to reduce the Crabtree effect in continuous culture of <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 183-188.	2.2	12
20	InÂvitro steroid profiling system for the evaluation of endocrine disruptors. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 370-377.	2.2	11
21	Wide target analysis of acylglycerols in miso (Japanese fermented soybean paste) by supercritical fluid chromatography coupled with triple quadrupole mass spectrometry and the analysis of the correlation between taste and both acylglycerols and free fatty acids. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 928-936.	1.5	11
22	In-Line Sample Processing System with an Immobilized Trypsin-Packed Fused-Silica Capillary Tube for the Proteomic Analysis of a Small Number of Mammalian Cells. <i>Analytical Chemistry</i> , 2020, 92, 2997-3005.	6.5	11
23	Design of Synthetic Quorum Sensing Achieving Induction Timing-Independent Signal Stabilization for Dynamic Metabolic Engineering of <i>E.Âcoli</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 1384-1393.	3.8	11
24	Targeting leukemia-specific dependence on the de novo purine synthesis pathway. <i>Leukemia</i> , 2022, 36, 383-393.	7.2	11
25	Gas chromatography-mass spectrometry metabolomics-based prediction of potato tuber sprouting during long-term storage. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 249-254.	2.2	10
26	Lipid Profiling of Serum and Lipoprotein Fractions in Response to Pitavastatin Using an Animal Model of Familial Hypercholesterolemia. <i>Journal of Proteome Research</i> , 2020, 19, 1100-1108.	3.7	10
27	Comparison of Kit-Based Metabolomics with Other Methodologies in a Large Cohort, towards Establishing Reference Values. <i>Metabolites</i> , 2021, 11, 652.	2.9	10
28	Development of a novel comprehensive analytical method for volatile compounds using supercritical fluid chromatography/mass spectrometry with a highly cross-linked styrene divinylbenzene polymer-based column. <i>Journal of Chromatography A</i> , 2020, 1626, 461363.	3.7	9
29	Profiling of volatile compounds in APCMin/+ mice blood by dynamic headspace extraction and gas chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1003, 35-40.	2.3	8
30	Insights into the formation mechanism of chloropropanol fatty acid esters under laboratory-scale deodorization conditions. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 246-251.	2.2	7
31	Quantitative metabolomics for dynamic metabolic engineering using stable isotope labeled internal standards mixture (SILIS). <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 46-55.	2.2	7
32	Identification of Acrylamide Adducts Generated during Storage of Canned Milk Coffee. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3859-3867.	5.2	3
33	Calibration-Curve-Locking Database for Semi-Quantitative Metabolomics by Gas Chromatography/Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 207.	2.9	3
34	Investigation of supercritical fluid chromatography retention behaviors using quantitative structure-retention relationships. <i>Analytica Chimica Acta</i> , 2022, 1197, 339463.	5.4	3
35	Produced $\hat{1}^2$ -hydroxybutyrate after $\hat{1}^2$ -hydroxy- $\hat{1}^2$ -methylbutyrate (HMB) administration may contribute HMB function in mice. <i>Biochemistry and Biophysics Reports</i> , 2021, 27, 101097.	1.3	1
36	Detection and structural analysis of pyrimidine-derived radicals generated on DNA using a profluorescent nitroxide probe. <i>Chemical Communications</i> , 2021, 58, 56-59.	4.1	1

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37	Comparative Evaluation of Plasma Metabolomic Data from Multiple Laboratories. <i>Metabolites</i> , 2022, 12, 135.	2.9	1
38	Performance of functionalized monolithic silica capillary columns with different mesopore sizes using radical polymerization of octadecyl methacrylate. <i>Journal of Chromatography A</i> , 2021, 1651, 462282.	3.7	0