

Eiichiro Fukusaki

List of Publications by Year in descending order

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302
papers

10,502
citations

26567

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54797

84
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307
all docs

307
docs citations

307
times ranked

14125
citing authors

#	ARTICLE	IF	CITATIONS
1	History of hair analysis by mass spectrometry imaging. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 89-97.	1.1	3
2	Dynamic Changes in the Bacterial Community and Metabolic Profile during Fermentation of Low-Salt Shrimp Paste (Terasi). <i>Metabolites</i> , 2022, 12, 118.	1.3	8
3	Effects of Soaking Tempe in Vinegar on Metabolome and Sensory Profiles. <i>Metabolites</i> , 2022, 12, 30.	1.3	5
4	Metabolomics approach to elucidate the importance of count size in commercial penaeid shrimps: white leg shrimp (<i>Litopenaeus vannamei</i>) and black tiger shrimp (<i>Penaeus monodon</i>). <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 459-466.	1.1	4
5	Application of gas chromatography-mass spectrometry-based metabolomics in food science and technology. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 425-435.	1.1	31
6	Metabolomics-Driven Identification of the Rate-Limiting Steps in 1-Propanol Production. <i>Frontiers in Microbiology</i> , 2022, 13, 871624.	1.5	4
7	Profiling volatile compounds from culture supernatants of periodontal bacteria using gas chromatography/mass spectrometry/olfactometry analysis with a monolithic silica gel adsorption device. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 77-83.	1.1	1
8	Unique metabolite profiles of Indonesian cocoa beans from different origins and their correlation with temperature. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 125-132.	1.1	8
9	Investigation of the effect of processing on the component changes of single-origin chocolate during the bean-to-bar process. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 138-143.	1.1	7
10	Metabolome analysis to investigate the effect of controlled fermentation on taste-related metabolites in terasi. <i>Metabolomics</i> , 2022, 18, .	1.4	4
11	Fake metabolomics chromatogram generation for facilitating deep learning of peak-picking neural networks. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 207-212.	1.1	2
12	Shrimp count size: GC/MS-based metabolomics approach and quantitative descriptive analysis (QDA) reveal the importance of size in white leg shrimp (<i>Litopenaeus vannamei</i>). <i>Metabolomics</i> , 2021, 17, 19.	1.4	8
13	Reduction of the extra-column band dispersion by a slow transport and splitting of a sample band in isocratic reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2021, 1641, 461996.	1.8	3
14	Stable isotope and chemical inhibition analyses suggested the existence of a non-mevalonate-like pathway in the yeast <i>Yarrowia lipolytica</i> . <i>Scientific Reports</i> , 2021, 11, 5598.	1.6	4
15	Evaluation of change in metabolome caused by comprehensive diabetes treatment: A prospective observational study of diabetes inpatients with gas chromatography/mass spectrometry-based non-target metabolomic analysis. <i>Journal of Diabetes Investigation</i> , 2021, 12, 2232-2241.	1.1	6
16	¹ H-NMR metabolomics-based classification of Japanese sake and comparative metabolome analysis by gas chromatography-mass spectrometry. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 557-564.	1.1	4
17	Investigation of the effects of actinorhodin biosynthetic gene cluster expression and a <i>rpoB</i> point mutation on the metabolome of <i>Streptomyces coelicolor</i> M1146. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 525-536.	1.1	6
18	Mass Spectrometric Enzyme Histochemistry for Choline Acetyltransferase Reveals De Novo Acetylcholine Synthesis in Rodent Brain and Spinal Cord. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2079-2087.	1.7	6

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19	Gas chromatography/mass spectrometry-based metabolite profiling of coffee beans obtained from different altitudes and origins with various postharvest processing. <i>Metabolomics</i> , 2021, 17, 69.	1.4	20
20	Minimization of adverse effects of blank matrices from various apparatuses in the downsizing of gas chromatography-mass spectrometry-based metabolomics. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 102-107.	1.1	1
21	Profiling of volatile compounds in Japanese sake stored in sherry casks using solid phase microextraction/gas chromatography/mass spectrometry analysis. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 108-112.	1.1	3
22	Gas chromatography-mass spectrometry-based metabolite profiling and sensory profile of Indonesian fermented food (tempe) from various legumes. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 487-495.	1.1	9
23	The ATP-hydrolyzing ectoenzyme E-NTPD8 attenuates colitis through modulation of P2X4 receptor-dependent metabolism in myeloid cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
24	Investigation of the characteristics of different shrimps by species and habitat using gas chromatography/mass spectrometry based metabolomics. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 258-264.	1.1	2
25	Comparative metabolomics and sensory evaluation of pineapple (<i>Ananas comosus</i>) reveal the importance of ripening stage compared to cultivar. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 592-598.	1.1	15
26	Saliva and Plasma Reflect Metabolism Altered by Diabetes and Periodontitis. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 742002.	1.6	15
27	Metabolomic investigation of differences in components and taste between hon-mirin and mirin-like-seasoning. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 599-605.	1.1	1
28	Characterization of five Indonesian mangoes using gas chromatography-mass spectrometry-based metabolic profiling and sensory evaluation. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 613-620.	1.1	9
29	Metabolomic Analysis of Response to Nitrogen-Limiting Conditions in <i>Yarrowia</i> spp.. <i>Metabolites</i> , 2021, 11, 16.	1.3	4
30	Comparison of metabolic profiles of yeasts based on the difference of the Crabtree positive and negative. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 52-58.	1.1	14
31	Accumulation of sugars and nucleosides in response to high salt and butanol stress in 1-butanol producing <i>Synechococcus elongatus</i> . <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 177-183.	1.1	4
32	Suppression of lactate production by using sucrose as a carbon source in lactic acid bacteria. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 47-51.	1.1	10
33	Mapping haze-komi on rice koji grains using β -glucuronidase expressing <i>Aspergillus oryzae</i> and mass spectrometry imaging. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 296-301.	1.1	13
34	Metabolomics approach for determining potential metabolites correlated with sensory attributes of <i>Melaleuca cajuputi</i> essential oil, a promising flavor ingredient. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 581-587.	1.1	14
35	Online monitoring of the respiratory quotient reveals metabolic phases during microaerobic 2,3-butanediol production with <i>Bacillus licheniformis</i> . <i>Engineering in Life Sciences</i> , 2020, 20, 133-144.	2.0	19
36	Potato tuber metabolomics-based prediction of chip color quality and application using gas chromatography/flame ionization detector. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 2193-2198.	0.6	0

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37	Multi-Omics Analysis of the Effect of cAMP on Actinorhodin Production in <i>Streptomyces coelicolor</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 595552.	2.0	6
38	Metabolomic analysis of fibrotic mice combined with public RNA-seq human lung data reveal potential diagnostic biomarker candidates for lung fibrosis. <i>FEBS Open Bio</i> , 2020, 10, 2427-2436.	1.0	9
39	Mass Spectrometric Enzyme Histochemistry Method Developed for Visualizing <i>In Situ</i> Cholinesterase Activity in <i>Mus musculus</i> and <i>Drosophila melanogaster</i> . <i>Analytical Chemistry</i> , 2020, 92, 12379-12386.	3.2	16
40	Metabolomics-Based Study of the Effect of Raw Materials to the End Product of Tempeh An Indonesian Fermented Soybean. <i>Metabolites</i> , 2020, 10, 367.	1.3	17
41	Metabolomics Analysis Reveals Global Metabolic Changes in the Evolved <i>E. coli</i> Strain with Improved Growth and 1-Butanol Production in Minimal Medium. <i>Metabolites</i> , 2020, 10, 192.	1.3	3
42	Plasma metabolites associated with arterial stiffness in patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2020, 19, 75.	2.7	19
43	Poly- γ -glutamic acid production by <i>Bacillus subtilis</i> 168 using glucose as the sole carbon source: A metabolomic analysis. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 272-282.	1.1	26
44	Dataset of Cavendish banana transcriptome in response to chitosan coating application. <i>Data in Brief</i> , 2020, 29, 105337.	0.5	3
45	Fast enantiomeric separation of amino acids using liquid chromatography/mass spectrometry on a chiral crown ether stationary phase. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 437-442.	1.1	17
46	Serine racemase enhances growth of colorectal cancer by producing pyruvate from serine. <i>Nature Metabolism</i> , 2020, 2, 81-96.	5.1	23
47	Identification of Key Metabolites in Poly- γ -Glutamic Acid Production by Tuning γ -PGA Synthetase Expression. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 38.	2.0	13
48	Identification of Plasma Inositol and Indoxyl Sulfate as Novel Biomarker Candidates for Atherosclerosis in Patients with Type 2 Diabetes. Findings from Metabolome Analysis Using GC/MS-. <i>Journal of Atherosclerosis and Thrombosis</i> , 2020, 27, 1053-1067.	0.9	15
49	Profiling of taste-related compounds during the fermentation of Japanese sake brewed with or without a traditional seed mash (kimoto). <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 63-70.	1.1	8
50	The depletion of ubiquilin in <i>Drosophila melanogaster</i> disturbs neurochemical regulation to drive activity and behavioral deficits. <i>Scientific Reports</i> , 2020, 10, 5689.	1.6	6
51	Component Profiling of Soy-Sauce-Like Seasoning Produced from Different Raw Materials. <i>Metabolites</i> , 2020, 10, 137.	1.3	13
52	GC/MS-based metabolic profiling for the evaluation of solid state fermentation to improve quality of Arabica coffee beans. <i>Metabolomics</i> , 2020, 16, 57.	1.4	18
53	GC-MS Based Metabolite Profiling to Monitor Ripening-Specific Metabolites in Pineapple (<i>Ananas</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	33
54	Metabolite profiling of whiteleg shrimp <i>Litopenaeus vannamei</i> from super-intensive culture in closed aquaculture systems: a recirculating aquaculture system and a hybrid zero water discharge recirculating aquaculture system. <i>Metabolomics</i> , 2020, 16, 49.	1.4	18

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55	Metabolic Visualization Reveals the Distinct Distribution of Sugars and Amino Acids in Rice <i>Oryza sativa</i>. Mass Spectrometry, 2020, 9, A0089-A0089.	0.2	6
56	Comparison Between the Potential of Tempe Flour Made from Germinated and Nongerminated Soybeans in Preventing Diabetes Mellitus. HAYATI Journal of Biosciences, 2020, 27, 16.	0.1	8
57	Quality Improvement of Semi-Wet Terasi by Optimizing the Starter Culture Ratio of Controlled Fermentation. HAYATI Journal of Biosciences, 2020, 27, 320.	0.1	2
58	Identification of Metabolites Associated with Onset of CAD in Diabetic Patients Using CE-MS Analysis: A Pilot Study. Journal of Atherosclerosis and Thrombosis, 2019, 26, 233-245.	0.9	28
59	Metabolomics-based profiling of three terminal alkene-producing <i>Jeotgalicoccus</i> spp. during different growth phase. Journal of Bioscience and Bioengineering, 2019, 127, 52-58.	1.1	4
60	High-Throughput LC-MS/MS Method for Chiral Amino Acid Analysis Without Derivatization. Methods in Molecular Biology, 2019, 2030, 253-261.	0.4	4
61	Tailor-made poly- γ -glutamic acid production. Metabolic Engineering, 2019, 55, 239-248.	3.6	38
62	HPLC fingerprinting coupled with linear discriminant analysis for the detection of adulteration in <i>Orthosiphon aristatus</i> . Journal of Liquid Chromatography and Related Technologies, 2019, 42, 513-520.	0.5	4
63	GC/MS based metabolite profiling of Indonesian specialty coffee from different species and geographical origin. Metabolomics, 2019, 15, 126.	1.4	52
64	Automatic switching valve system to minimize variation of liquid chromatography-tandem mass spectrometry-based chiral amino acid profiling. Journal of Bioscience and Bioengineering, 2019, 128, 773-779.	1.1	4
65	Development of a practical online supercritical fluid extraction-supercritical fluid chromatography/mass spectrometry system with an integrated split-flow method. Journal of Chromatography A, 2019, 1592, 161-172.	1.8	28
66	Tandem Mass Spectrometry Imaging Reveals Distinct Accumulation Patterns of Steroid Structural Isomers in Human Adrenal Glands. Analytical Chemistry, 2019, 91, 8918-8925.	3.2	48
67	A metabolomics-based approach for the evaluation of off-tree ripening conditions and different postharvest treatments in mangosteen (<i>Garcinia mangostana</i>). Metabolomics, 2019, 15, 73.	1.4	8
68	Gas chromatography-mass spectrometry metabolomics-based prediction of potato tuber sprouting during long-term storage. Journal of Bioscience and Bioengineering, 2019, 128, 249-254.	1.1	10
69	Imaging Isomers on a Biological Surface: A Review. Mass Spectrometry, 2019, 8, A0078-A0078.	0.2	4
70	High-sensitive liquid chromatography-tandem mass spectrometry-based chiral metabolic profiling focusing on amino acids and related metabolites. Journal of Bioscience and Bioengineering, 2019, 127, 520-527.	1.1	25
71	Metabolome analysis revealed the knockout of glyoxylate shunt as an effective strategy for improvement of 1-butanol production in transgenic <i>Escherichia coli</i> . Journal of Bioscience and Bioengineering, 2019, 127, 301-308.	1.1	17
72	Comparison of Isomerase and Weimberg Pathway for γ -PGA Production From Xylose by Engineered <i>Bacillus subtilis</i> . Frontiers in Bioengineering and Biotechnology, 2019, 7, 476.	2.0	21

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73	Enantioselective Amino Acid Profile Improves Metabolomics-based Sensory Prediction of Japanese Sake. <i>Food Science and Technology Research</i> , 2019, 25, 775-784.	0.3	3
74	Construction of a Prediction Model for Taste of Miso (Japanese Fermented Soybean Paste) Using Metabolic Profiling and Quantitative Descriptive Analyses. <i>Food Science and Technology Research</i> , 2019, 25, 871-877.	0.3	2
75	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.	1.1	12
76	Molecular components of <i>Arabidopsis</i> intact vacuoles clarified with metabolomic and proteomic analyses. <i>Plant and Cell Physiology</i> , 2018, 59, 1353-1362.	1.5	11
77	Microbe participation in aroma production during soy sauce fermentation. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 688-694.	1.1	51
78	Gas chromatography coupled with mass spectrometry-based metabolomics for the classification of tempe from different regions and production processes in Indonesia. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 411-416.	1.1	16
79	Metabolic profiling of <i>Garcinia mangostana</i> (mangosteen) based on ripening stages. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 238-244.	1.1	20
80	Inhibition of <i>Saccharomyces cerevisiae</i> growth by simultaneous uptake of glucose and maltose. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 52-58.	1.1	10
81	Glutamate production from ammonia via glutamate dehydrogenase 2 activity supports cancer cell proliferation under glutamine depletion. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 761-767.	1.0	30
82	Adiponectin/T-cadherin system enhances exosome biogenesis and decreases cellular ceramides by exosomal release. <i>JCI Insight</i> , 2018, 3, .	2.3	122
83	Free D-amino acids produced by commensal bacteria in the colonic lumen. <i>Scientific Reports</i> , 2018, 8, 17915.	1.6	55
84	Mechanistic study on the high-selectivity enantioseparation of amino acids using a chiral crown ether-bonded stationary phase and acidic, highly organic mobile phase by liquid chromatography/time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1578, 35-44.	1.8	28
85	Metabolic repair through emergence of new pathways in <i>Escherichia coli</i> . <i>Nature Chemical Biology</i> , 2018, 14, 1005-1009.	3.9	20
86	Visualization of Asparagine in <i>Asparagus (Asparagus officinalis)</i> Using MALDI-IMS. <i>Analytical Sciences</i> , 2018, 34, 997-1001.	0.8	14
87	Metabolomics: State-of-the-Art Technologies and Applications on <i>Drosophila melanogaster</i> . <i>Advances in Experimental Medicine and Biology</i> , 2018, 1076, 257-276.	0.8	7
88	Development of a Visualization Method for Imidacloprid in <i>Drosophila melanogaster</i> via Imaging Mass Spectrometry. <i>Analytical Sciences</i> , 2018, 34, 991-996.	0.8	12
89	Mass Spectrometric Imaging of GABA in the <i>Drosophila melanogaster</i> Adult Head. <i>Analytical Sciences</i> , 2018, 34, 1055-1059.	0.8	16
90	Iterative cycle of widely targeted metabolic profiling for the improvement of 1-butanol titer and productivity in <i>Synechococcus elongatus</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 188.	6.2	33

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91	Identifying metabolic elements that contribute to productivity of 1-propanol bioproduction using metabolomic analysis. <i>Metabolomics</i> , 2018, 14, 96.	1.4	3
92	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.	3.2	24
93	Directed strain evolution restructures metabolism for 1-butanol production in minimal media. <i>Metabolic Engineering</i> , 2018, 49, 153-163.	3.6	22
94	Hypoxanthine Secretion from Human Adipose Tissue and its Increase in Hypoxia. <i>Obesity</i> , 2018, 26, 1168-1178.	1.5	47
95	Expression Analysis of 1-aminocyclopropane-1-carboxylic Acid Oxidase Genes in Chitosan-Coated Banana. <i>HAYATI Journal of Biosciences</i> , 2018, 25, 18.	0.1	4
96	Increased Dynamics of Tricarboxylic Acid Cycle and Glutamate Synthesis in Obese Adipose Tissue. <i>Journal of Biological Chemistry</i> , 2017, 292, 4469-4483.	1.6	39
97	Distinct signatures of dental plaque metabolic byproducts dictated by periodontal inflammatory status. <i>Scientific Reports</i> , 2017, 7, 42818.	1.6	61
98	Effect of Furan Fatty Acids and 3-Methyl-2,4-nonanedione on Light-Induced Off-Odor in Soybean Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2136-2140.	2.4	8
99	Metabolic profiling of <i>Drosophila melanogaster</i> metamorphosis: a new insight into the central metabolic pathways. <i>Metabolomics</i> , 2017, 13, 1.	1.4	18
100	Integrated Strategy for Unknown EI-MS Identification Using Quality Control Calibration Curve, Multivariate Analysis, EI-MS Spectral Database, and Retention Index Prediction. <i>Analytical Chemistry</i> , 2017, 89, 6766-6773.	3.2	38
101	Corrigendum to "Novel high-throughput and widely-targeted liquid chromatography-time of flight mass spectrometry method for d-amino acids in foods" [J. Biosci. Bioeng. 123 (2017) 126-133]. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 365-367.	1.1	0
102	Investigation of storage time-dependent alterations of enantioselective amino acid profiles in kimchi using liquid chromatography-time of flight mass spectrometry. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 414-418.	1.1	11
103	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.	0.7	11
104	Metabolomics-driven approach to solving a CoA imbalance for improved 1-butanol production in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2017, 41, 135-143.	3.6	79
105	Simultaneous profiling of 17 steroid hormones for the evaluation of endocrine-disrupting chemicals in H295R cells. <i>Bioanalysis</i> , 2017, 9, 67-69.	0.6	7
106	Influence of yeast and lactic acid bacterium on the constituent profile of soy sauce during fermentation. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 203-208.	1.1	62
107	Lipoprotein profiling methodology based on determination of apolipoprotein concentration. <i>Bioanalysis</i> , 2017, 9, 9-19.	0.6	2
108	Development of a split-flow system for high precision variable sample introduction in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2017, 1515, 218-231.	1.8	17

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109	Orthogonal partial least squares/projections to latent structures regression-based metabolomics approach for identification of gene targets for improvement of 1-butanol production in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 498-505.	1.1	24
110	Epigenetic regulation of starvation-induced autophagy in <i>Drosophila</i> by histone methyltransferase G9a. <i>Scientific Reports</i> , 2017, 7, 7343.	1.6	31
111	Solid-phase analytical derivatization for gas-chromatography-mass-spectrometry-based metabolomics. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 700-706.	1.1	23
112	Development of a liquid chromatography-tandem mass spectrometry method for quantitative analysis of trace d-amino acids. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 134-138.	1.1	47
113	Metabolic engineering for isopropanol production by an engineered cyanobacterium, <i>Synechococcus elongatus</i> PCC 7942, under photosynthetic conditions. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 39-45.	1.1	32
114	Quality evaluation of green tea leaf cultured under artificial light condition using gas chromatography/mass spectrometry. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 197-202.	1.1	22
115	Novel high-throughput and widely-targeted liquid chromatography-time of flight mass spectrometry method for d-amino acids in foods. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 126-133.	1.1	38
116	Investigation of poly(¹³ C-glutamic acid) production via online determination of viscosity and oxygen transfer rate in shake flasks. <i>Journal of Biological Engineering</i> , 2017, 11, 23.	2.0	12
117	Application of metabolomics for high resolution phenotype analysis. <i>Japanese Journal of Lactic Acid Bacteria</i> , 2017, 28, 66-73.	0.1	0
118	A High Phosphorus Diet Affects Lipid Metabolism in Rat Liver: A DNA Microarray Analysis. <i>PLoS ONE</i> , 2016, 11, e0155386.	1.1	22
119	Random sample consensus combined with partial least squares regression (RANSAC-PLS) for microbial metabolomics data mining and phenotype improvement. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 168-175.	1.1	11
120	Branched chain amino acids maintain the molecular weight of poly(¹³ C-glutamic acid) of <i>Bacillus licheniformis</i> ATCC 9945 during the fermentation. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 400-405.	1.1	16
121	Two isoforms of TALDO1 generated by alternative translational initiation show differential nucleocytoplasmic distribution to regulate the global metabolic network. <i>Scientific Reports</i> , 2016, 6, 34648.	1.6	16
122	Protocol for Quantitative Imaging Mass Spectrometry. <i>Bunseki Kagaku</i> , 2016, 65, 745-750.	0.1	3
123	Quantification of coffee blends for authentication of Asian palm civet coffee (Kopi Luwak) via metabolomics: A proof of concept. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 79-84.	1.1	50
124	Quantitative target analysis and kinetic profiling of acyl-CoAs reveal the rate-limiting step in cyanobacterial 1-butanol production. <i>Metabolomics</i> , 2016, 12, 26.	1.4	28
125	In vitro steroid profiling system for the evaluation of endocrine disruptors. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 370-377.	1.1	11
126	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.	1.1	7

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127	Extra-facile chiral separation of amino acid enantiomers by LC-TOFMS analysis. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 349-353.	1.1	33
128	Metabolomic approach for improving ethanol stress tolerance in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 399-405.	1.1	39
129	Metabolome analysis reveals the effect of carbon catabolite control on the poly(δ^3 -glutamic acid) biosynthesis of <i>Bacillus licheniformis</i> ATCC 9945. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 413-419.	1.1	32
130	Current Status and Future Direction in Imaging Mass Spectrometry. <i>Hyomen Kagaku</i> , 2016, 37, 593-598.	0.0	0
131	Method for the Compound Annotation of Conjugates in Nontargeted Metabolomics Using Accurate Mass Spectrometry, Multistage Product Ion Spectra and Compound Database Searching. <i>Mass Spectrometry</i> , 2015, 4, A0036-A0036.	0.2	4
132	Multi-Component Profiling of Trace Volatiles in Blood by Gas Chromatography/Mass Spectrometry with Dynamic Headspace Extraction. <i>Mass Spectrometry</i> , 2015, 4, A0034-A0034.	0.2	3
133	Application of gas chromatography/flame ionization detector-based metabolite fingerprinting for authentication of Asian palm civet coffee (Kopi Luwak). <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 555-561.	1.1	34
134	High-Throughput Simultaneous Analysis of Pesticides by Supercritical Fluid Chromatography Coupled with High-Resolution Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4457-4463.	2.4	54
135	New Insight into the Role of the Calvin Cycle: Reutilization of CO ₂ Emitted through Sugar Degradation. <i>Scientific Reports</i> , 2015, 5, 11617.	1.6	45
136	Influence of nitrogen source and pH value on undesired poly(δ^3 -glutamic acid) formation of a protease producing <i>Bacillus licheniformis</i> strain. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1203-1215.	1.4	27
137	Lipidomic analysis of plasma lipoprotein fractions in myocardial infarction-prone rabbits. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 476-482.	1.1	32
138	Planteose as a storage carbohydrate required for early stage of germination of <i>Orobanche minor</i> and its metabolism as a possible target for selective control. <i>Journal of Experimental Botany</i> , 2015, 66, 3085-3097.	2.4	32
139	A metabolomics-based strategy for identification of gene targets for phenotype improvement and its application to 1-butanol tolerance in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 144.	6.2	29
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