

# Eiichiro Fukusaki

## 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.

290  
papers

8,203  
citations

52  
h-index

75  
g-index

307  
ext. papers

9,420  
ext. citations

4  
avg, IF

6.15  
L-index

#	Paper	IF	Citations
290	Application of gas chromatography-mass spectrometry-based metabolomics in food science and technology.. <i>Journal of Bioscience and Bioengineering</i> , <b>2022</b> ,	3.3	4
289	Metabolomics-Driven Identification of the Rate-Limiting Steps in 1-Propanol Production.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 871624	5.7	0
288	History of hair analysis by mass spectrometry imaging. <i>Journal of Bioscience and Bioengineering</i> , <b>2021</b> ,	3.3	1
287	Metabolomic investigation of differences in components and taste between hon-mirin and mirin-like-seasoning. <i>Journal of Bioscience and Bioengineering</i> , <b>2021</b> , 132, 599-605	3.3	0
286	Characterization of five Indonesian mangoes using gas chromatography-mass spectrometry-based metabolic profiling and sensory evaluation. <i>Journal of Bioscience and Bioengineering</i> , <b>2021</b> , 132, 613-620	3.3	1
285	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> , <b>2021</b> , 11, 5598	4.9	0
284	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> , <b>2021</b> ,	3.9	1
283	H-NMR metabolomics-based classification of Japanese sake and comparative metabolome analysis by gas chromatography-mass spectrometry. <i>Journal of Bioscience and Bioengineering</i> , <b>2021</b> , 131, 557-564	3.3	0
282	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> , <b>2021</b> , 131, 525-536	3.3	3
281	Mass Spectrometric Enzyme Histochemistry for Choline Acetyltransferase Reveals Acetylcholine Synthesis in Rodent Brain and Spinal Cord. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 2079-2087	5.7	2
280	Gas chromatography/mass spectrometry-based metabolite profiling of coffee beans obtained from different altitudes and origins with various postharvest processing. <i>Metabolomics</i> , <b>2021</b> , 17, 69	4.7	2
279	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> , <b>2021</b> , 132, 102-107	3.3	0
278	Fake metabolomics chromatogram generation for facilitating deep learning of peak-picking neural networks. <i>Journal of Bioscience and Bioengineering</i> , <b>2021</b> , 131, 207-212	3.3	0
277	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> , <b>2021</b> , 17, 19	4.7	2
276	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> , <b>2021</b> , 1641, 461996	4.5	
275	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> , <b>2021</b> , 132, 108-112	3.3	1
274	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> , <b>2021</b> , 132, 487-495	3.3	1

273	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> , <b>2021</b> , 132, 258-264	3.3	
272	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> , <b>2021</b> , 132, 592-598	3.3	1
271	Saliva and Plasma Reflect Metabolism Altered by Diabetes and Periodontitis. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 742002	5.6	1
270	Metabolomics Analysis Reveals Global Metabolic Changes in the Evolved Strain with Improved Growth and 1-Butanol Production in Minimal Medium. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	1
269	Plasma metabolites associated with arterial stiffness in patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , <b>2020</b> , 19, 75	8.7	9
268	Poly- $\gamma$ -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> , <b>2020</b> , 130, 272-282	3.3	9
267	Dataset of Cavendish banana transcriptome in response to chitosan coating application. <i>Data in Brief</i> , <b>2020</b> , 29, 105337	1.2	3
266	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> , <b>2020</b> , 130, 437-442	3.3	12
265	Serine racemase enhances growth of colorectal cancer by producing pyruvate from serine. <i>Nature Metabolism</i> , <b>2020</b> , 2, 81-96	14.6	8
264	Identification of Key Metabolites in Poly- $\gamma$ -Glutamic Acid Production by Tuning $\gamma$ PGA Synthetase Expression. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 38	5.8	4
263	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> , <b>2020</b> , 27, 1053-1067	4	10
262	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> , <b>2020</b> , 130, 63-70	3.3	4
261	The depletion of ubiquilin in <i>Drosophila melanogaster</i> disturbs neurochemical regulation to drive activity and behavioral deficits. <i>Scientific Reports</i> , <b>2020</b> , 10, 5689	4.9	3
260	Component Profiling of Soy-Sauce-Like Seasoning Produced from Different Raw Materials. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	6
259	GC/MS-based metabolic profiling for the evaluation of solid state fermentation to improve quality of Arabica coffee beans. <i>Metabolomics</i> , <b>2020</b> , 16, 57	4.7	10
258	Metabolic Visualization Reveals the Distinct Distribution of Sugars and Amino Acids in Rice. <i>Mass Spectrometry</i> , <b>2020</b> , 9, A0089	1.7	1
257	Mapping haze-komi on rice koji grains using $\beta$ -glucuronidase expressing <i>Aspergillus oryzae</i> and mass spectrometry imaging. <i>Journal of Bioscience and Bioengineering</i> , <b>2020</b> , 129, 296-301	3.3	7
256	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> , <b>2020</b> , 129, 581-587	3.3	10

255	Online monitoring of the respiratory quotient reveals metabolic phases during microaerobic 2,3-butanediol production with. <i>Engineering in Life Sciences</i> , <b>2020</b> , 20, 133-144	3.4	10
254	Potato tuber metabolomics-based prediction of chip color quality and application using gas chromatography/flame ionization detector. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2020</b> , 84, 2193-2198	2.7	6
253	Multi-Omics Analysis of the Effect of cAMP on Actinorhodin Production in. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 595552	5.8	5
252	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> , <b>2020</b> , 10, 2427-2436	2.7	6
251	Mass Spectrometric Enzyme Histochemistry Method Developed for Visualizing Cholinesterase Activity in and. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 12379-12386	7.8	3
250	Metabolomics-Based Study of the Effect of Raw Materials to the End Product of Tempe-An Indonesian Fermented Soybean. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	7
249	Comparison of metabolic profiles of yeasts based on the difference of the Crabtree positive and negative. <i>Journal of Bioscience and Bioengineering</i> , <b>2020</b> , 129, 52-58	3.3	9
248	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> , <b>2020</b> , 129, 177-183	3.3	0
247	Suppression of lactate production by using sucrose as a carbon source in lactic acid bacteria. <i>Journal of Bioscience and Bioengineering</i> , <b>2020</b> , 129, 47-51	3.3	6
246	GC-MS Based Metabolite Profiling to Monitor Ripening-Specific Metabolites in Pineapple (). <i>Metabolites</i> , <b>2020</b> , 10,	5.6	17
245	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> , <b>2020</b> , 16, 49	4.7	8
244	GC/MS based metabolite profiling of Indonesian specialty coffee from different species and geographical origin. <i>Metabolomics</i> , <b>2019</b> , 15, 126	4.7	22
243	Automatic switching valve system to minimize variation of liquid chromatography-tandem mass spectrometry-based chiral amino acid profiling. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 128, 773-779	3.3	2
242	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> , <b>2019</b> , 1592, 161-172	4.5	17
241	Tandem Mass Spectrometry Imaging Reveals Distinct Accumulation Patterns of Steroid Structural Isomers in Human Adrenal Glands. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 8918-8925	7.8	27
240	A metabolomics-based approach for the evaluation of off-tree ripening conditions and different postharvest treatments in mangosteen ( <i>Garcinia mangostana</i> ). <i>Metabolomics</i> , <b>2019</b> , 15, 73	4.7	8
239	Gas chromatography-mass spectrometry metabolomics-based prediction of potato tuber sprouting during long-term storage. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 128, 249-254	3.3	7
238	Comparison of Isomerase and Weimberg Pathway for EPGA Production From Xylose by Engineered. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 476	5.8	12

237	Identification of Metabolites Associated with Onset of CAD in Diabetic Patients Using CE-MS Analysis: A Pilot Study. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>2019</b> , 26, 233-245	4	21
236	Metabolomics-based profiling of three terminal alkene-producing <i>Jeotgalicoccus</i> spp. during different growth phase. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 52-58	3.3	3
235	High-Throughput LC-MS/MS Method for Chiral Amino Acid Analysis Without Derivatization. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2030, 253-261	1.4	1
234	Tailor-made poly- $\gamma$ -glutamic acid production. <i>Metabolic Engineering</i> , <b>2019</b> , 55, 239-248	9.7	17
233	HPLC fingerprinting coupled with linear discriminant analysis for the detection of adulteration in <i>Orthosiphon aristatus</i> . <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2019</b> , 42, 513-520	1.3	3
232	Enantioselective Amino Acid Profile Improves Metabolomics-based Sensory Prediction of Japanese Sake. <i>Food Science and Technology Research</i> , <b>2019</b> , 25, 775-784	0.8	2
231	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> , <b>2019</b> , 25, 871-877	0.8	2
230	Imaging Isomers on a Biological Surface: A Review. <i>Mass Spectrometry</i> , <b>2019</b> , 8, A0078	1.7	3
229	High-sensitive liquid chromatography-tandem mass spectrometry-based chiral metabolic profiling focusing on amino acids and related metabolites. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 520-527	3.3	18
228	Metabolome analysis revealed the knockout of glyoxylate shunt as an effective strategy for improvement of 1-butanol production in transgenic <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 301-308	3.3	10
227	Metabolomics approach to reduce the Crabtree effect in continuous culture of <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 126, 183-188	3.3	7
226	Molecular Components of Arabidopsis Intact Vacuoles Clarified with Metabolomic and Proteomic Analyses. <i>Plant and Cell Physiology</i> , <b>2018</b> , 59, 1353-1362	4.9	3
225	Microbe participation in aroma production during soy sauce fermentation. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 688-694	3.3	27
224	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> , <b>2018</b> , 126, 411-416	3.3	11
223	Metabolic profiling of <i>Garcinia mangostana</i> (mangosteen) based on ripening stages. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 238-244	3.3	12
222	Inhibition of <i>Saccharomyces cerevisiae</i> growth by simultaneous uptake of glucose and maltose. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 52-58	3.3	5
221	Mass Spectrometric Imaging of GABA in the <i>Drosophila melanogaster</i> Adult Head. <i>Analytical Sciences</i> , <b>2018</b> , 34, 1055-1059	1.7	9
220	Iterative cycle of widely targeted metabolic profiling for the improvement of 1-butanol titer and productivity in. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 188	7.8	24

219	Identifying metabolic elements that contribute to productivity of 1-propanol bioproduction using metabolomic analysis. <i>Metabolomics</i> , <b>2018</b> , 14, 96	4.7	2
218	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> , <b>2018</b> , 90, 9068-9076	7.8	13
217	Directed strain evolution restructures metabolism for 1-butanol production in minimal media. <i>Metabolic Engineering</i> , <b>2018</b> , 49, 153-163	9.7	16
216	Hypoxanthine Secretion from Human Adipose Tissue and its Increase in Hypoxia. <i>Obesity</i> , <b>2018</b> , 26, 116881178	26	
215	Expression Analysis of 1-aminocyclopropane-1-carboxylic Acid Oxidase Genes in Chitosan-Coated Banana. <i>HAYATI Journal of Biosciences</i> , <b>2018</b> , 25, 18	1.2	3
214	Glutamate production from ammonia via glutamate dehydrogenase 2 activity supports cancer cell proliferation under glutamine depletion. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 495, 761-767	3.4	21
213	Adiponectin/T-cadherin system enhances exosome biogenesis and decreases cellular ceramides by exosomal release. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	68
212	Free D-amino acids produced by commensal bacteria in the colonic lumen. <i>Scientific Reports</i> , <b>2018</b> , 8, 17915	4.9	23
211	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> , <b>2018</b> , 1578, 35-44	4.5	22
210	Metabolic repair through emergence of new pathways in Escherichia coli. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 1005-1009	11.7	14
209	Visualization of Asparagine in Asparagus ( <i>Asparagus officinalis</i> ) Using MALDI-IMS. <i>Analytical Sciences</i> , <b>2018</b> , 34, 997-1001	1.7	10
208	Metabolomics: State-of-the-Art Technologies and Applications on <i>Drosophila melanogaster</i> . <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1076, 257-276	3.6	5
207	Development of a Visualization Method for Imidacloprid in <i>Drosophila melanogaster</i> via Imaging Mass Spectrometry. <i>Analytical Sciences</i> , <b>2018</b> , 34, 991-996	1.7	10
206	Increased Dynamics of Tricarboxylic Acid Cycle and Glutamate Synthesis in Obese Adipose Tissue: IN VIVO METABOLIC TURNOVER ANALYSIS. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 4469-4483	5.4	26
205	Distinct signatures of dental plaque metabolic byproducts dictated by periodontal inflammatory status. <i>Scientific Reports</i> , <b>2017</b> , 7, 42818	4.9	40
204	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> , <b>2017</b> , 65, 2136-2140	5.7	5
203	Metabolic profiling of <i>Drosophila melanogaster</i> metamorphosis: a new insight into the central metabolic pathways. <i>Metabolomics</i> , <b>2017</b> , 13, 1	4.7	14
202	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> , <b>2017</b> , 89, 6766-6773	7.8	23

201	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> , <b>2017</b> , 124, 365-367	3.3	
200	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> , <b>2017</b> , 124, 414-418	3.3	8
199	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> , <b>2017</b> , 31, 928-936	2.2	7
198	Metabolomics-driven approach to solving a CoA imbalance for improved 1-butanol production in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , <b>2017</b> , 41, 135-143	9.7	65
197	Simultaneous profiling of 17 steroid hormones for the evaluation of endocrine-disrupting chemicals in H295R cells. <i>Bioanalysis</i> , <b>2017</b> , 9, 67-69	2.1	6
196	Influence of yeast and lactic acid bacterium on the constituent profile of soy sauce during fermentation. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 123, 203-208	3.3	44
195	Lipoprotein profiling methodology based on determination of apolipoprotein concentration. <i>Bioanalysis</i> , <b>2017</b> , 9, 9-19	2.1	2
194	Investigation of poly( $\gamma$ -glutamic acid) production via online determination of viscosity and oxygen transfer rate in shake flasks. <i>Journal of Biological Engineering</i> , <b>2017</b> , 11, 23	6.3	8
193	Development of a split-flow system for high precision variable sample introduction in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , <b>2017</b> , 1515, 218-231	4.5	14
192	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> , <b>2017</b> , 124, 498-505	3.3	15
191	Epigenetic regulation of starvation-induced autophagy in <i>Drosophila</i> by histone methyltransferase G9a. <i>Scientific Reports</i> , <b>2017</b> , 7, 7343	4.9	24
190	Solid-phase analytical derivatization for gas-chromatography-mass-spectrometry-based metabolomics. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 124, 700-706	3.3	15
189	Development of a liquid chromatography-tandem mass spectrometry method for quantitative analysis of trace d-amino acids. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 123, 134-138	3.3	40
188	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> , <b>2017</b> , 123, 39-45	3.3	27
187	Quality evaluation of green tea leaf cultured under artificial light condition using gas chromatography/mass spectrometry. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 123, 197-202	3.3	13
186	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> , <b>2017</b> , 123, 126-133	3.3	28
185	Application of metabolomics for high resolution phenotype analysis. <i>Japanese Journal of Lactic Acid Bacteria</i> , <b>2017</b> , 28, 66-73	0	
184	Metabolomic approach for improving ethanol stress tolerance in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 121, 399-405	3.3	25

183	Metabolome analysis reveals the effect of carbon catabolite control on the poly( $\gamma$ -glutamic acid) biosynthesis of <i>Bacillus licheniformis</i> ATCC 9945. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 121, 413-9	3.3	22
182	Two isoforms of TALDO1 generated by alternative translational initiation show differential nucleocytoplasmic distribution to regulate the global metabolic network. <i>Scientific Reports</i> , <b>2016</b> , 6, 34648	4.9	9
181	Protocol for Quantitative Imaging Mass Spectrometry. <i>Bunseki Kagaku</i> , <b>2016</b> , 65, 745-750	0.2	0
180	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> , <b>2016</b> , 122, 79-84	3.3	39
179	Quantitative target analysis and kinetic profiling of acyl-CoAs reveal the rate-limiting step in cyanobacterial 1-butanol production. <i>Metabolomics</i> , <b>2016</b> , 12, 26	4.7	23
178	In vitro steroid profiling system for the evaluation of endocrine disruptors. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 122, 370-7	3.3	8
177	Insights into the formation mechanism of chloropropanol fatty acid esters under laboratory-scale deodorization conditions. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 122, 246-51	3.3	7
176	Extra-facile chiral separation of amino acid enantiomers by LC-TOFMS analysis. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 121, 349-53	3.3	27
175	Current Status and Future Direction in Imaging Mass Spectrometry. <i>Hyomen Kagaku</i> , <b>2016</b> , 37, 593-598		
174	A High Phosphorus Diet Affects Lipid Metabolism in Rat Liver: A DNA Microarray Analysis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155386	3.7	17
173	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> , <b>2016</b> , 122, 168-75	3.3	7
172	Branched chain amino acids maintain the molecular weight of poly( $\gamma$ -glutamic acid) of <i>Bacillus licheniformis</i> ATCC 9945 during the fermentation. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 122, 400-5	3.3	9
171	New Insight into the Role of the Calvin Cycle: Reutilization of CO <sub>2</sub> Emitted through Sugar Degradation. <i>Scientific Reports</i> , <b>2015</b> , 5, 11617	4.9	23
170	Influence of nitrogen source and pH value on undesired poly( $\gamma$ -glutamic acid) formation of a protease producing <i>Bacillus licheniformis</i> strain. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2015</b> , 42, 1203-15	4.2	18
169	Lipidomic analysis of plasma lipoprotein fractions in myocardial infarction-prone rabbits. <i>Journal of Bioscience and Bioengineering</i> , <b>2015</b> , 120, 476-82	3.3	29
168	Planteose as a storage carbohydrate required for early stage of germination of <i>Orobancha minor</i> and its metabolism as a possible target for selective control. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 3085-97	7	17
167	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> , <b>2015</b> , 8, 144	7.8	24
166	Profiling of volatile compounds in APC(Min/+) 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> , <b>2015</b> , 1003, 35-40	3.2	8



165	Bulk RNA degradation by nitrogen starvation-induced autophagy in yeast. <i>EMBO Journal</i> , <b>2015</b> , 34, 154-68	68	79
164	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> , <b>2015</b> , 4, A0036	1.7	4
163	Multi-Component Profiling of Trace Volatiles in Blood by Gas Chromatography/Mass Spectrometry with Dynamic Headspace Extraction. <i>Mass Spectrometry</i> , <b>2015</b> , 4, A0034	1.7	3
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160	MRM-DIFF: data processing strategy for differential analysis in large scale MRM-based lipidomics studies. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 471	4.5	21
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144	Novel strategy for non-targeted isotope-assisted metabolomics by means of metabolic turnover and multivariate analysis. <i>Metabolites</i> , <b>2014</b> , 4, 722-39	5.6 8
143	Determination of niacin and its metabolites using supercritical fluid chromatography coupled to tandem mass spectrometry. <i>Mass Spectrometry</i> , <b>2014</b> , 3, A0029	1.7 23
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