

Sastia Prama Putri

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,659
citations

361296

20
h-index

302012

39
g-index

61
all docs

61
docs citations

61
times ranked

2137
citing authors

#	ARTICLE	IF	CITATIONS
1	Escherichia coli as a host for metabolic engineering. <i>Metabolic Engineering</i> , 2018, 50, 16-46.	3.6	250
2	Current metabolomics: Practical applications. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 579-589.	1.1	245
3	Current metabolomics: Technological advances. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 9-16.	1.1	178
4	Upside-Down but Headed in the Right Direction: Review of the Highly Versatile <i>Cassiopea xamachana</i> System. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	81
5	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
6	GC/MS based metabolite profiling of Indonesian specialty coffee from different species and geographical origin. <i>Metabolomics</i> , 2019, 15, 126.	1.4	52
7	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
8	Tailor-made poly- γ -glutamic acid production. <i>Metabolic Engineering</i> , 2019, 55, 239-248.	3.6	38
9	Farinomalein, a Maleimide-Bearing Compound from the Entomopathogenic Fungus <i>Paecilomyces farinosus</i> . <i>Journal of Natural Products</i> , 2009, 72, 1544-1546.	1.5	37
10	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
11	GC-MS Based Metabolite Profiling to Monitor Ripening-Specific Metabolites in Pineapple (<i>Ananas</i>) Tj ETQq1 1 0.784314 rgBT /Overload	1.3	33
12	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
13	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
14	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
15	Untargeted Metabolomics Analysis of Eggplant (<i>Solanum melongena</i> L.) Fruit and Its Correlation to Fruit Morphologies. <i>Metabolites</i> , 2018, 8, 49.	1.3	27
16	Ophiosetin, a new tetramic acid derivative from the mycopathogenic fungus <i>Elaphocordyceps ophioglossoides</i> . <i>Journal of Antibiotics</i> , 2010, 63, 195-198.	1.0	25
17	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
18	Directed strain evolution restructures metabolism for 1-butanol production in minimal media. <i>Metabolic Engineering</i> , 2018, 49, 153-163.	3.6	22

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19	Comparison of Isomerase and Weimberg Pathway for $\hat{\Gamma}^3$ -PGA Production From Xylose by Engineered <i>Bacillus subtilis</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 476.	2.0	21
20	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
21	Metabolic repair through emergence of new pathways in <i>Escherichia coli</i> . <i>Nature Chemical Biology</i> , 2018, 14, 1005-1009.	3.9	20
22	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
23	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
24	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 dischargeâ€“recirculating aquaculture system. <i>Metabolomics</i> , 2020, 16, 49.	1.4	18
25	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> , 2019, 127, 301-308.	1.1	17
26	Metabolomics-Based Study of the Effect of Raw Materials to the End Product of Tempeâ€“An Indonesian Fermented Soybean. <i>Metabolites</i> , 2020, 10, 367.	1.3	17
27	Production of antiomycete compounds active against the phytopathogens <i>Phytophthora sojae</i> and <i>Aphanomyces cochlioides</i> by clavicipitoid entomopathogenic fungi. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 557-562.	1.1	16
28	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
29	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
30	Gas chromatographyâ€“mass spectrometry based metabolic profiling for the identification of discrimination markers of <i>Angelicae Radix</i> and its application to gas chromatographyâ€“flame ionization detector system. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 232-236.	1.1	14
31	Metabolic distance estimation based on principle component analysis of metabolic turnover. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 350-355.	1.1	14
32	Metabolomics continues to expand: highlights from the 2015 metabolomics conference. <i>Metabolomics</i> , 2015, 11, 1036-1040.	1.4	14
33	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
34	Identification of Key Metabolites in Poly- $\hat{\Gamma}^3$ -Glutamic Acid Production by Tuning $\hat{\Gamma}^3$ -PGA Synthetase Expression. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 38.	2.0	13
35	Component Profiling of Soy-Sauce-Like Seasoning Produced from Different Raw Materials. <i>Metabolites</i> , 2020, 10, 137.	1.3	13
36	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

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37	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
38	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
39	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> , 2019, 15, 73.	1.4	8
40	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
41	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
42	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
43	Investigation of the effects of actinorhodin biosynthetic gene cluster expression and a rpoB 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
44	Effects of Soaking Tempe in Vinegar on Metabolome and Sensory Profiles. <i>Metabolites</i> , 2022, 12, 30.	1.3	5
45	Metabolomics-based profiling of three terminal alkene-producing <i>Jeotgalicoccus</i> spp. during different growth phase. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 52-58.	1.1	4
46	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> , 2019, 42, 513-520.	0.5	4
47	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
48	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
49	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
50	Metabolomic Analysis of Response to Nitrogen-Limiting Conditions in <i>Yarrowia</i> spp.. <i>Metabolites</i> , 2021, 11, 16.	1.3	4
51	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
52	Metabolomics-Driven Identification of the Rate-Limiting Steps in 1-Propanol Production. <i>Frontiers in Microbiology</i> , 2022, 13, 871624.	1.5	4
53	Identifying metabolic elements that contribute to productivity of 1-propanol bioproduction using metabolomic analysis. <i>Metabolomics</i> , 2018, 14, 96.	1.4	3
54	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

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55	Metabolomics as a powerful tool for coffee authentication. Burleigh Dodds Series in Agricultural Science, 2018, , 337-358.	0.1	3
56	The Metabolomics Societyâ€™ Current State of the Membership and Future Directions. Metabolites, 2019, 9, 89.	1.3	2
57	Investigation of the characteristics of different shrimps by species and habitat using gas chromatography/mass spectrometry based metabolomics. Journal of Bioscience and Bioengineering, 2021, 132, 258-264.	1.1	2
58	Sample Preparation. , 2014, , 37-102.		1
59	Metabolomics in a Nutshell. , 2014, , 1-8.		0
60	Design of Metabolomics Experiment. , 2014, , 9-35.		0
61	Activity update from the early career members network. Metabolomics, 2015, 11, 247-248.	1.4	0