

# Si Jae Park

## List of Publications by Year in descending order

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112  
papers

4,789  
citations

81889

39  
h-index

110368

64  
g-index

116  
all docs

116  
docs citations

116  
times ranked

3395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic engineering of <i>Escherichia coli</i> for the production of polylactic acid and its copolymers. <i>Biotechnology and Bioengineering</i> , 2010, 105, 161-171.	3.3	272
2	One-step fermentative production of poly(lactate-co-glycolate) from carbohydrates in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 2016, 34, 435-440.	17.5	182
3	Biosynthesis of polylactic acid and its copolymers using evolved propionate CoA transferase and PHA synthase. <i>Biotechnology and Bioengineering</i> , 2010, 105, 150-160.	3.3	159
4	Advanced bacterial polyhydroxyalkanoates: Towards a versatile and sustainable platform for unnatural tailor-made polyesters. <i>Biotechnology Advances</i> , 2012, 30, 1196-1206.	11.7	150
5	Biological Valorization of Poly(ethylene terephthalate) Monomers for Upcycling Waste PET. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19396-19406.	6.7	141
6	Metabolic engineering of <i>Escherichia coli</i> for the production of 5-aminovalerate and glutarate as C5 platform chemicals. <i>Metabolic Engineering</i> , 2013, 16, 42-47.	7.0	140
7	Metabolic engineering for the synthesis of polyesters: A 100-year journey from polyhydroxyalkanoates to non-natural microbial polyesters. <i>Metabolic Engineering</i> , 2020, 58, 47-81.	7.0	138
8	Synthesis of nylon 4 from gamma-aminobutyrate (GABA) produced by recombinant <i>Escherichia coli</i> . <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 885-892.	3.4	113
9	Biosynthesis of polyhydroxyalkanoates containing 2-hydroxybutyrate from unrelated carbon source by metabolically engineered <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 273-283.	3.6	112
10	Recent advances in development of biomass pretreatment technologies used in biorefinery for the production of bio-based fuels, chemicals and polymers. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1945-1959.	2.7	104
11	Metabolic engineering of <i>Corynebacterium glutamicum</i> for enhanced production of 5-aminovaleric acid. <i>Microbial Cell Factories</i> , 2016, 15, 174.	4.0	96
12	Enhanced production of gamma-aminobutyrate (GABA) in recombinant <i>Corynebacterium glutamicum</i> by expressing glutamate decarboxylase active in expanded pH range. <i>Microbial Cell Factories</i> , 2015, 14, 21.	4.0	95
13	Identification and Characterization of a New Enoyl Coenzyme A Hydratase Involved in Biosynthesis of Medium-Chain-Length Polyhydroxyalkanoates in Recombinant <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2003, 185, 5391-5397.	2.2	93
14	Recent Advances in Sustainable Plastic Upcycling and Biopolymers. <i>Biotechnology Journal</i> , 2020, 15, e1900489.	3.5	92
15	One-step fermentative production of aromatic polyesters from glucose by metabolically engineered <i>Escherichia coli</i> strains. <i>Nature Communications</i> , 2018, 9, 79.	12.8	84
16	Metabolic Engineering of <i>Corynebacterium glutamicum</i> for the High-Level Production of Cadaverine That Can Be Used for the Synthesis of Biopolyamide 510. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5296-5305.	6.7	83
17	Metabolic engineering of <i>Escherichia coli</i> for biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) from glucose. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 95-104.	3.6	76
18	Metabolic engineering of <i>Escherichia coli</i> for the production of 1,3-diaminopropane, a three carbon diamine. <i>Scientific Reports</i> , 2015, 5, 13040.	3.3	67

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19	Recent advances in the metabolic engineering of microorganisms for the production of 3-hydroxypropionic acid as C3 platform chemical. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3309-3321.	3.6	66
20	Recombinant <i>Ralstonia eutropha</i> engineered to utilize xylose and its use for the production of poly(3-hydroxybutyrate) from sunflower stalk hydrolysate solution. <i>Microbial Cell Factories</i> , 2016, 15, 95.	4.0	66
21	High-level conversion of L-lysine into 5-aminovalerate that can be used for nylon 6,5 synthesis. <i>Biotechnology Journal</i> , 2014, 9, 1322-1328.	3.5	64
22	Combination of Entner-Doudoroff Pathway with MEP Increases Isoprene Production in Engineered <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2013, 8, e83290.	2.5	64
23	Tailor-made type II <i>Pseudomonas</i> PHA synthases and their use for the biosynthesis of polylactic acid and its copolymer in recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 603-614.	3.6	63
24	Metabolic engineering of <i>Ralstonia eutropha</i> for the biosynthesis of 2-hydroxyacid-containing polyhydroxyalkanoates. <i>Metabolic Engineering</i> , 2013, 20, 20-28.	7.0	63
25	Metabolic engineering of <i>Ralstonia eutropha</i> for the production of polyhydroxyalkanoates from sucrose. <i>Biotechnology and Bioengineering</i> , 2015, 112, 638-643.	3.3	62
26	Metabolic engineering of <i>Corynebacterium glutamicum</i> for fermentative production of chemicals in biorefinery. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3915-3937.	3.6	60
27	Synthetic biology platform of CoryneBrick vectors for gene expression in <i>Corynebacterium glutamicum</i> and its application to xylose utilization. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5991-6002.	3.6	58
28	Display of Bacterial Lipase on the <i>Escherichia coli</i> Cell Surface by Using FadL as an Anchoring Motif and Use of the Enzyme in Enantioselective Biocatalysis. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5074-5080.	3.1	57
29	Engineering of <i>Escherichia coli</i> fatty acid metabolism for the production of polyhydroxyalkanoates. <i>Enzyme and Microbial Technology</i> , 2005, 36, 579-588.	3.2	57
30	Production of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) by Metabolically Engineered <i>Escherichia coli</i> Strains. <i>Biomacromolecules</i> , 2001, 2, 248-254.	5.4	54
31	Metabolic engineering of <i>Escherichia coli</i> for the production of medium-chain-length polyhydroxyalkanoates rich in specific monomers. <i>FEMS Microbiology Letters</i> , 2002, 214, 217-222.	1.8	52
32	Direct bioconversion of d-xylose to 1,2,4-butanetriol in an engineered <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2014, 49, 25-32.	3.7	52
33	Metabolic engineering of <i>Corynebacterium glutamicum</i> for the production of glutaric acid, a C5 dicarboxylic acid platform chemical. <i>Metabolic Engineering</i> , 2019, 51, 99-109.	7.0	50
34	Chemoautotroph <i>Cupriavidus necator</i> as a potential game-changer for global warming and plastic waste problem: A review. <i>Bioresource Technology</i> , 2021, 340, 125693.	9.6	50
35	Roles and applications of small heat shock proteins in the production of recombinant proteins in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2004, 88, 426-436.	3.3	47
36	Construction of Synthetic Promoter-Based Expression Cassettes for the Production of Cadaverine in Recombinant <i>Corynebacterium glutamicum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 2065-2075.	2.9	47

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37	Engineered microbial biosensors based on bacterial two-component systems as synthetic biotechnology platforms in bioremediation and biorefinery. <i>Microbial Cell Factories</i> , 2017, 16, 62.	4.0	47
38	Production of 5-aminovaleric acid in recombinant <i>Corynebacterium glutamicum</i> strains from a <i>Miscanthus hydrolyzate</i> solution prepared by a newly developed <i>Miscanthus hydrolysis</i> process. <i>Bioresource Technology</i> , 2017, 245, 1692-1700.	9.6	45
39	In silico prediction and validation of the importance of the Entner-Doudoroff pathway in poly(3-hydroxybutyrate) production by metabolically engineered <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2003, 83, 854-863.	3.3	42
40	Development of rice bran treatment process and its use for the synthesis of polyhydroxyalkanoates from rice bran hydrolyzate solution. <i>Bioresource Technology</i> , 2015, 181, 283-290.	9.6	42
41	Enhanced production of gamma-aminobutyrate (GABA) in recombinant <i>Corynebacterium glutamicum</i> strains from empty fruit bunch biosugar solution. <i>Microbial Cell Factories</i> , 2018, 17, 129.	4.0	42
42	Biosynthesis of enantiopure (S)-3-hydroxybutyric acid in metabolically engineered <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 633-641.	3.6	38
43	Propionyl-CoA dependent biosynthesis of 2-hydroxybutyrate containing polyhydroxyalkanoates in metabolically engineered <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2013, 165, 93-98.	3.8	38
44	Engineered fumarate sensing <i>Escherichia coli</i> based on novel chimeric two-component system. <i>Journal of Biotechnology</i> , 2013, 168, 560-566.	3.8	38
45	A chemo-microbial hybrid process for the production of 2-pyrone-4,6-dicarboxylic acid as a promising bioplastic monomer from PET waste. <i>Green Chemistry</i> , 2020, 22, 3461-3469.	9.0	36
46	Chemo-Biological Upcycling of Poly(ethylene terephthalate) to Multifunctional Coating Materials. <i>ChemSusChem</i> , 2021, 14, 4251-4259.	6.8	36
47	Biosynthesis of lactate-containing polyesters by metabolically engineered bacteria. <i>Biotechnology Journal</i> , 2012, 7, 199-212.	3.5	35
48	Development of engineered <i>Escherichia coli</i> whole-cell biocatalysts for high-level conversion of L-lysine into cadaverine. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1481-1491.	3.0	35
49	Development of electrochemical biosensor for detection of pathogenic microorganism in Asian dust events. <i>Chemosphere</i> , 2017, 175, 269-274.	8.2	35
50	Engineering the xylose-catabolizing Dahms pathway for production of poly(d-lactate-co-glycolate) and poly(d-lactate-co-glycolate-co-d-2-hydroxybutyrate) in <i>Escherichia coli</i> . <i>Microbial Biotechnology</i> , 2017, 10, 1353-1364.	3.2	35
51	Production of gamma-aminobutyric acid from glucose by introduction of synthetic scaffolds between isocitrate dehydrogenase, glutamate synthase and glutamate decarboxylase in recombinant <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2015, 207, 52-57.	3.8	34
52	Fermentative L-lactic acid production from pretreated whole slurry of oil palm trunk treated by hydrothermolysis and subsequent enzymatic hydrolysis. <i>Bioresource Technology</i> , 2015, 185, 143-149.	9.6	34
53	Recent advances in metabolic engineering of <i>Corynebacterium glutamicum</i> as a potential platform microorganism for biorefinery. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 899-925.	3.7	34
54	Recent Advances in the Metabolic Engineering of <i>Klebsiella pneumoniae</i> : A Potential Platform Microorganism for Biorefineries. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 48-64.	2.6	34

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55	Efficient gamma-aminobutyric acid bioconversion by employing synthetic complex between glutamate decarboxylase and glutamate/GABA antiporter in engineered <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 927-933.	3.0	33
56	Secretory Production of Recombinant Protein by a High Cell Density Culture of a Protease Negative Mutant <i>Escherichia coli</i> Strain. <i>Biotechnology Progress</i> , 1999, 15, 164-167.	2.6	32
57	Biosynthesis of polyhydroxyalkanoates from sucrose by metabolically engineered <i>Escherichia coli</i> strains. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 593-599.	7.5	30
58	Quantified High-Throughput Screening of <i>Escherichia coli</i> Producing Poly(3-hydroxybutyrate) Based on FACS. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1767-1779.	2.9	29
59	Pilot scale production of poly(3-hydroxybutyrate-co-3-hydroxy-valerate) by fed-batch culture of recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2002, 7, 371-374.	2.6	27
60	Efficient production of gamma-aminobutyric acid using <i>Escherichia coli</i> by co-localization of glutamate synthase, glutamate decarboxylase, and GABA transporter. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 79-86.	3.0	27
61	Screening of microorganisms able to degrade low-rank coal in aerobic conditions: Potential coal biosolubilization mediators from coal to biochemicals. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 178-185.	2.6	26
62	Enhanced production of poly(3-hydroxybutyrate) (PHB) by expression of response regulator DR1558 in recombinant <i>Escherichia coli</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 131, 29-35.	7.5	26
63	Biosynthesis of (R)-3-Hydroxyalkanoic Acids by Metabolically Engineered <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2004, 114, 373-380.	2.9	25
64	Biosynthesis of poly(2-hydroxyisovalerate-co-lactate) by metabolically engineered <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2016, 11, 1572-1585.	3.5	25
65	Biosynthesis of poly(2-hydroxybutyrate-co-lactate) in metabolically engineered <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 169-174.	2.6	25
66	Valorization of lignocellulosic biomass for polyhydroxyalkanoate production: Status and perspectives. <i>Bioresource Technology</i> , 2022, 360, 127575.	9.6	25
67	Advances in the biological treatment of coal for synthetic natural gas and chemicals. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2788-2801.	2.7	23
68	Development of Metabolically Engineered <i>Corynebacterium glutamicum</i> for Enhanced Production of Cadaverine and Its Use for the Synthesis of Bio-Polyamide 510. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 129-138.	6.7	23
69	Enrichment of specific monomer in medium-chain-length poly(3-hydroxyalkanoates) by amplification of <i>fadD</i> and <i>fadE</i> genes in recombinant <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2003, 33, 62-70.	3.2	22
70	New <i>fadB</i> homologous enzymes and their use in enhanced biosynthesis of medium-chain-length polyhydroxyalkanoates in <i>fadB</i> mutant <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2004, 86, 681-686.	3.3	21
71	Characterization of a Whole-Cell Biotransformation Using a Constitutive Lysine Decarboxylase from <i>Escherichia coli</i> for the High-Level Production of Cadaverine from Industrial Grade L-Lysine. <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 909-924.	2.9	21
72	High-Level Conversion of L-lysine into Cadaverine by <i>Escherichia coli</i> Whole Cell Biocatalyst Expressing <i>Hafnia alvei</i> L-lysine Decarboxylase. <i>Polymers</i> , 2019, 11, 1184.	4.5	21

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73	Recent Advances in Systems Metabolic Engineering Strategies for the Production of Biopolymers. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 848-861.	2.6	21
74	Fermentative High-Level Production of 5-Hydroxyvaleric Acid by Metabolically Engineered <i>Corynebacterium glutamicum</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2523-2533.	6.7	21
75	Engineering the intracellular metabolism of <i>Escherichia coli</i> to produce gamma-aminobutyric acid by co-localization of GABA shunt enzymes. <i>Biotechnology Letters</i> , 2016, 38, 321-327.	2.2	20
76	Efficient and simultaneous cleaner production of biodiesel and glycerol carbonate in solvent-free system via statistical optimization. <i>Journal of Cleaner Production</i> , 2019, 218, 985-992.	9.3	20
77	Rapid analysis of polyhydroxyalkanoate contents and its monomer compositions by pyrolysis-gas chromatography combined with mass spectrometry (Py-GC/MS). <i>International Journal of Biological Macromolecules</i> , 2021, 174, 449-456.	7.5	19
78	Biosynthesis of 2-Hydroxyacid-Containing Polyhydroxyalkanoates by Employing butyryl-CoA Transferases in Metabolically Engineered <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2017, 12, 1700116.	3.5	18
79	Biosynthesis of polyhydroxyalkanoates from sugarcane molasses by recombinant <i>Ralstonia eutropha</i> strains. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1452-1459.	2.7	15
80	Microbial production of 2-pyrone-4,6-dicarboxylic acid from lignin derivatives in an engineered <i>Pseudomonas putida</i> and its application for the synthesis of bio-based polyester. <i>Bioresource Technology</i> , 2022, 352, 127106.	9.6	15
81	Gamma-aminobutyric acid production through GABA shunt by synthetic scaffolds introduction in recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 261-267.	2.6	14
82	Systems Biological Approach for the Production of Various Polyhydroxyalkanoates by Metabolically Engineered <i>Escherichia coli</i> . <i>Macromolecular Symposia</i> , 2005, 224, 1-10.	0.7	13
83	A shortcut to carbon-neutral bioplastic production: Recent advances in microbial production of polyhydroxyalkanoates from C1 resources. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 978-998.	7.5	13
84	Improved Productivity of Naringin Oleate with Flavonoid and Fatty Acid by Efficient Enzymatic Esterification. <i>Antioxidants</i> , 2022, 11, 242.	5.1	13
85	Overexpression of <i>Neurospora crassa</i> OR74A glutamate decarboxylase in <i>Escherichia coli</i> for efficient GABA production. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 1062-1066.	2.6	12
86	Hydrogen Production from Methane by <i>Methylobacterium</i> sp. DH-1 under Micro-aerobic Conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 71-77.	2.6	12
87	Effect of DR1558, a <i>Deinococcus radiodurans</i> response regulator, on the production of GABA in the recombinant <i>Escherichia coli</i> under low pH conditions. <i>Microbial Cell Factories</i> , 2020, 19, 64.	4.0	12
88	Redirection of Metabolic Flux into Novel Gamma-Aminobutyric Acid Production Pathway by Introduction of Synthetic Scaffolds Strategy in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 1315-1324.	2.9	11
89	Mass Transfer Performance of a String Film Reactor: A Bioreactor Design for Aerobic Methane Bioconversion. <i>Catalysts</i> , 2018, 8, 490.	3.5	11
90	Enhanced Production of 2,3-Butanediol in Recombinant <i>Escherichia coli</i> Using Response Regulator DR1558 Derived from <i>Deinococcus radiodurans</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 45-52.	2.6	11

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91	Improving the organic solvent resistance of lipase a from <i>Bacillus subtilis</i> in water-ethanol solvent through rational surface engineering. <i>Bioresource Technology</i> , 2021, 337, 125394.	9.6	11
92	Co-Localization of GABA Shunt Enzymes for the Efficient Production of Gamma-Aminobutyric Acid via GABA Shunt Pathway in <i>Escherichia coli</i> . <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 710-716.	2.1	11
93	Consolidated microbial production of four-, five-, and six-carbon organic acids from crop residues: Current status and perspectives. <i>Bioresource Technology</i> , 2022, 351, 127001.	9.6	11
94	A Chimeric Two-Component Regulatory System-Based <i>Escherichia coli</i> Biosensor Engineered to Detect Glutamate. <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 335-349.	2.9	10
95	Construction of a <i>Vitreoscilla</i> Hemoglobin Promoter-Based Tunable Expression System for <i>Corynebacterium glutamicum</i> . <i>Catalysts</i> , 2018, 8, 561.	3.5	10
96	Microbial cell factories for the production of three-carbon backbone organic acids from agro-industrial wastes. <i>Bioresource Technology</i> , 2022, 349, 126797.	9.6	10
97	Improvement of gamma-amino butyric acid production by an overexpression of glutamate decarboxylase from <i>Pyrococcus horikoshii</i> in <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 327-331.	2.6	9
98	Bio-solubilization of the untreated low rank coal by alkali-producing bacteria isolated from soil. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 105-109.	2.7	9
99	Improved reutilization of industrial crude lysine to 1,5-diaminopentane by enzymatic decarboxylation using various detergents and organic solvents. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1854-1859.	2.7	9
100	Biosynthesis of Lactate-containing Polyhydroxyalkanoates in Recombinant <i>Escherichia coli</i> by Employing New CoA Transferases. <i>KSBB Journal</i> , 2016, 31, 27-32.	0.2	8
101	Optimized Transformation of Newly Constructed <i>Escherichia coli</i> - <i>Clostridia</i> Shuttle Vectors into <i>Clostridium beijerinckii</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 226-236.	2.9	6
102	Recent progress in metabolic engineering of <i>Corynebacterium glutamicum</i> for the production of C4, C5, and C6 chemicals. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1291-1307.	2.7	6
103	Development of a bio-chemical route to C5 plasticizer synthesis using glutaric acid produced by metabolically engineered <i>Corynebacterium glutamicum</i> . <i>Green Chemistry</i> , 2022, 24, 1590-1602.	9.0	6
104	Efficient Production of Naringin Acetate with Different Acyl Donors via Enzymatic Transesterification by Lipases. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2972.	2.6	6
105	Recent advances in the microbial production of C4 alcohols by metabolically engineered microorganisms. <i>Biotechnology Journal</i> , 2022, 17, e2000451.	3.5	5
106	Isolation and Proteomic Analysis of a <i>Chlamydomonas reinhardtii</i> Mutant with Enhanced Lipid Production by the Gamma Irradiation Method. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 2066-2075.	2.1	5
107	Construction of heterologous gene expression cassettes for the development of recombinant <i>Clostridium beijerinckii</i> . <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 555-563.	3.4	4
108	Expression characteristics of the <i>maeA</i> and <i>maeB</i> genes by extracellular malate and pyruvate in <i>Escherichia coli</i> . <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1443-1447.	2.7	3

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109	Establishment of a biosynthesis pathway for (R)-3-hydroxyalkanoates in recombinant Escherichia coli. Korean Journal of Chemical Engineering, 2015, 32, 702-706.	2.7	3
110	Enhancement of Lysine Production in Recombinant Corynebacterium glutamicum through Expression of Deinococcus radiodurans pprM and dr1558 Genes. Microbiology and Biotechnology Letters, 2017, 45, 271-275.	0.4	3
111	Development of Metabolic Engineering Strategies for Microbial Platform to Produce Bioplastics. Applied Chemistry for Engineering, 2014, 25, 134-141.	0.2	1
112	MaoC Mediated Biosynthesis of Medium-chain-length Polyhydroxyalkanoates in Recombinant Escherichia coli from Fatty Acid. KSBB Journal, 2014, 29, 244-249.	0.2	1