

Byung-Gee Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4203825/publications.pdf>

Version: 2024-02-01

153
papers

3,541
citations

147801

31
h-index

197818

49
g-index

158
all docs

158
docs citations

158
times ranked

4300
citing authors

#	ARTICLE	IF	CITATIONS
1	The dynamic transcriptional and translational landscape of the model antibiotic producer <i>Streptomyces coelicolor</i> A3(2). <i>Nature Communications</i> , 2016, 7, 11605.	12.8	201
2	Asymmetric synthesis of chiral amines with α -transaminase. <i>Biotechnology and Bioengineering</i> , 1999, 65, 206-211.	3.3	188
3	Synthetic fusion protein design and applications. <i>Biotechnology Advances</i> , 2015, 33, 155-164.	11.7	156
4	Tissue adhesive, rapid forming, and sprayable ECM hydrogel via recombinant tyrosinase crosslinking. <i>Biomaterials</i> , 2018, 178, 401-412.	11.4	109
5	Fabrication of polyphenol-incorporated anti-inflammatory hydrogel via high-affinity enzymatic crosslinking for wet tissue adhesion. <i>Biomaterials</i> , 2020, 242, 119905.	11.4	95
6	Development of High Performance Polyurethane Elastomers Using Vanillin-Based Green Polyol Chain Extender Originating from Lignocellulosic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4582-4588.	6.7	92
7	High-level secretory production of intact, biologically active staphylokinase from <i>Bacillus subtilis</i> . , 1999, 62, 87-96.		86
8	Solubilization and Iterative Saturation Mutagenesis of α -1,3-galactosyltransferase from <i>Helicobacter pylori</i> to enhance its catalytic efficiency. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1666-1675.	3.3	75
9	Comparative Genomics Reveals the Core and Accessory Genomes of <i>Streptomyces</i> Species. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 1599-1605.	2.1	72
10	Reconstruction of a high-quality metabolic model enables the identification of gene overexpression targets for enhanced antibiotic production in <i>Streptomyces coelicolor</i> A3(2). <i>Biotechnology Journal</i> , 2014, 9, 1185-1194.	3.5	58
11	Genome-scale model-driven strain design for dicarboxylic acid production in <i>Yarrowia lipolytica</i> . <i>BMC Systems Biology</i> , 2018, 12, 12.	3.0	58
12	Fungal cytochrome P450 monooxygenases of <i>Fusarium oxysporum</i> for the synthesis of ω -hydroxy fatty acids in engineered <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2015, 14, 45.	4.0	56
13	Mass spectrometric screening of transcriptional regulators involved in antibiotic biosynthesis in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1073-1083.	3.0	53
14	The ROK Family Regulator Rok7B7 Pleiotropically Affects Xylose Utilization, Carbon Catabolite Repression, and Antibiotic Production in <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , 2013, 195, 1236-1248.	2.2	53
15	Using tyrosinase as a monophenol monooxygenase: A combined strategy for effective inhibition of melanin formation. <i>Biotechnology and Bioengineering</i> , 2016, 113, 735-743.	3.3	53
16	Construction of Efficient Platform <i>Escherichia coli</i> Strains for Polyhydroxyalkanoate Production by Engineering Branched Pathway. <i>Polymers</i> , 2019, 11, 509.	4.5	53
17	Enzyme-mediated tissue adhesive hydrogels for meniscus repair. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 479-487.	7.5	51
18	Production of cytidine 5'-monophosphate-N-acetylneuraminic acid using recombinant <i>Escherichia coli</i> as a biocatalyst. <i>Biotechnology and Bioengineering</i> , 2002, 80, 516-524.	3.3	50

#	ARTICLE	IF	CITATIONS
19	Development of Multimodal Antibacterial Surfaces Using Porous Amine-Reactive Films Incorporating Lubricant and Silver Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6550-6560.	8.0	46
20	Differential immune-stimulatory effects of LTAs from different lactic acid bacteria via MAPK signaling pathway in RAW 264.7 cells. <i>Immunobiology</i> , 2015, 220, 460-466.	1.9	42
21	Enhancing Thermostability and Organic Solvent Tolerance of α -Transaminase through Global Incorporation of Fluorotyrosine. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 993-998.	4.3	40
22	Engineering Transaminase for Stability Enhancement and Site-Specific Immobilization through Multiple Noncanonical Amino Acids Incorporation. <i>ChemCatChem</i> , 2015, 7, 417-421.	3.7	40
23	Ecofriendly one-pot biosynthesis of indigo derivative dyes using CYP102G4 and PrnA halogenase. <i>Dyes and Pigments</i> , 2019, 162, 80-88.	3.7	40
24	Multiplex Gene Disruption by Targeted Base Editing of <i>Yarrowia lipolytica</i> Genome Using Cytidine Deaminase Combined with the CRISPR/Cas9 System. <i>Biotechnology Journal</i> , 2020, 15, e1900238.	3.5	40
25	Enzymatic synthesis of epothilone A glycosides. <i>AMB Express</i> , 2014, 4, 31.	3.0	38
26	Heterologous expression of tyrosinase (MelC2) from <i>Streptomyces avermitilis</i> MA4680 in <i>E. coli</i> and its application for ortho-hydroxylation of resveratrol to produce piceatannol. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7915-7924.	3.6	38
27	Transcriptomics-based strain optimization tool for designing secondary metabolite overproducing strains of <i>Streptomyces coelicolor</i> . <i>Biotechnology and Bioengineering</i> , 2016, 113, 651-660.	3.3	38
28	Production of β -hydroxybenzoic acid from β -coumaric acid by <i>Burkholderia glumae</i> BGR1. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1493-1503.	3.3	38
29	Cooperative Catechol-Functionalized Polypept(o)ide Brushes and Ag Nanoparticles for Combination of Protein Resistance and Antimicrobial Activity on Metal Oxide Surfaces. <i>Biomacromolecules</i> , 2018, 19, 1602-1613.	5.4	38
30	Parallel anti-sense two-step cascade for alcohol amination leading to α -amino fatty acids and β , γ -diamines. <i>Green Chemistry</i> , 2018, 20, 4591-4595.	9.0	38
31	Biosynthesis of indigo in <i>Escherichia coli</i> expressing self-sufficient CYP102A from <i>Streptomyces cattleya</i> . <i>Dyes and Pigments</i> , 2017, 140, 29-35.	3.7	36
32	In silico identification of metabolic engineering strategies for improved lipid production in <i>Yarrowia lipolytica</i> by genome-scale metabolic modeling. <i>Biotechnology for Biofuels</i> , 2019, 12, 187.	6.2	34
33	Identification of novel thermostable α -transaminase and its application for enzymatic synthesis of chiral amines at high temperature. <i>RSC Advances</i> , 2016, 6, 69257-69260.	3.6	33
34	Biosynthesis of the Nylon 12 Monomer, α -Aminododecanoic Acid with Novel CYP153A, AlkJ, and α -ETA Enzymes. <i>Biotechnology Journal</i> , 2018, 13, e1700562.	3.5	33
35	Production of Tyrian purple indigoid dye from tryptophan in <i>Escherichia coli</i> . <i>Nature Chemical Biology</i> , 2021, 17, 104-112.	8.0	32
36	Biosynthesis of (α)-5-Hydroxy-equal and 5-Hydroxy-dehydroequal from Soy Isoflavone, Genistein Using Microbial Whole Cell Bioconversion. <i>ACS Chemical Biology</i> , 2017, 12, 2883-2890.	3.4	31

#	ARTICLE	IF	CITATIONS
37	P212A Mutant of Dihydrodaidzein Reductase Enhances (<i>S</i>)-Equl Production and Enantioselectivity in a Recombinant <i>Escherichia coli</i> Whole-Cell Reaction System. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1992-2002.	3.1	30
38	Simultaneously Enhancing the Stability and Catalytic Activity of Multimeric Lysine Decarboxylase CadA by Engineering Interface Regions for Enzymatic Production of Cadaverine at High Concentration of Lysine. <i>Biotechnology Journal</i> , 2017, 12, 1700278.	3.5	30
39	Discovery of glycocholic acid and taurochenodeoxycholic acid as phenotypic biomarkers in cholangiocarcinoma. <i>Scientific Reports</i> , 2018, 8, 11088.	3.3	30
40	A Novel Approach for Gene Expression Optimization through Native Promoter and 5' UTR Combinations Based on RNA-seq, Ribo-seq, and TSS-seq of <i>Streptomyces coelicolor</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 555-565.	3.8	29
41	Dual-Channel Fluorescence Imaging of Hydrogel Degradation and Tissue Regeneration in the Brain. <i>Theranostics</i> , 2019, 9, 4255-4264.	10.0	29
42	Production of γ -hydroxy palmitic acid using CYP153A35 and comparison of cytochrome P450 electron transfer system in vivo. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 10375-10384.	3.6	28
43	Biosynthesis of the human milk oligosaccharide 3-fucosyllactose in metabolically engineered <i>Escherichia coli</i> via the salvage pathway through increasing GTP synthesis and β -galactosidase modification. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3324-3332.	3.3	28
44	Novel enzymatic cross-linking-based hydrogel nanofilm caging system on pancreatic β cell spheroid for long-term blood glucose regulation. <i>Science Advances</i> , 2021, 7, .	10.3	28
45	Lipase-catalyzed synthesis of lysophosphatidylcholine using organic cosolvent for in situ water activity control. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2000, 77, 791-797.	1.9	27
46	Increased in vivo immunological potency of HB-110, a novel therapeutic HBV DNA vaccine, by electroporation. <i>Experimental and Molecular Medicine</i> , 2008, 40, 669.	7.7	27
47	Semi-rational engineering of CYP153A35 to enhance γ -hydroxylation activity toward palmitic acid. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 269-277.	3.6	27
48	Enhanced production of nargenicin A1 and creation of a novel derivative using a synthetic biology platform. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9917-9931.	3.6	25
49	In vitro characterization of CYP102G4 from <i>Streptomyces cattleya</i> : A self-sufficient P450 naturally producing indigo. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 60-67.	2.3	24
50	Surface display of bacterial tyrosinase on spores of <i>Bacillus subtilis</i> using CotE as an anchor protein. <i>Journal of Basic Microbiology</i> , 2016, 56, 1331-1337.	3.3	23
51	Kinetic resolution of \pm -methylbenzylamine by recombinant <i>Pichia pastoris</i> expressing γ -transaminase. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 429-434.	2.6	20
52	Cryoprotective properties and preliminary characterization of exopolysaccharide (P-Arcpo 15) produced by the Arctic bacterium <i>Pseudoalteromonas elyakovii</i> Arcpo 15. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 261-266.	1.9	20
53	Characterization of a new ScbR-like β -butyrolactone binding regulator (SlbR) in <i>Streptomyces coelicolor</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 113-121.	3.6	19
54	Genome-scale analysis reveals a role for NdgR in the thiol oxidative stress response in <i>Streptomyces coelicolor</i> . <i>BMC Genomics</i> , 2015, 16, 116.	2.8	19

#	ARTICLE	IF	CITATIONS
55	Systems biology for understanding and engineering of heterotrophic oleaginous microorganisms. <i>Biotechnology Journal</i> , 2017, 12, 1600104.	3.5	19
56	Production of pikromycin using branched chain amino acid catabolism in <i>Streptomyces venezuelae</i> ATCC 15439. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 293-303.	3.0	19
57	Structural Basis for Highly Efficient Production of Catechol Derivatives at Acidic pH by Tyrosinase from <i>Burkholderia thailandensis</i> . <i>ACS Catalysis</i> , 2018, 8, 10375-10382.	11.2	18
58	Polymeric solvent engineering for gram/liter scale production of a water-insoluble isoflavone derivative, (S)-equol. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6915-6921.	3.6	18
59	High-yield production of (R)-acetoin in <i>Saccharomyces cerevisiae</i> by deleting genes for NAD(P)H-dependent ketone reductases producing meso-2,3-butanediol and 2,3-dimethylglycerate. <i>Metabolic Engineering</i> , 2021, 66, 68-78.	7.0	18
60	Comparative functional characterization of a novel benzoate hydroxylase cytochrome P450 of <i>Fusarium oxysporum</i> . <i>Enzyme and Microbial Technology</i> , 2015, 70, 58-65.	3.2	17
61	Circular permutation of a bacterial tyrosinase enables efficient polyphenol-specific oxidation and quantitative preparation of orobol. <i>Biotechnology and Bioengineering</i> , 2019, 116, 19-27.	3.3	17
62	Orobol, an Enzyme-Convertible Product of Genistein, exerts Anti-Obesity Effects by Targeting Casein Kinase 1 Epsilon. <i>Scientific Reports</i> , 2019, 9, 8942.	3.3	17
63	Sugar-mediated regulation of a c-di-GMP phosphodiesterase in <i>Vibrio cholerae</i> . <i>Nature Communications</i> , 2019, 10, 5358.	12.8	17
64	Multi-enzymatic cascade reactions with <i>Escherichia coli</i> -based modules for synthesizing various bioplastic monomers from fatty acid methyl esters. <i>Green Chemistry</i> , 2022, 24, 2222-2231.	9.0	17
65	Effect of the hydration state of supports before lyophilization on subtilisin-A activity in organic media. <i>Journal of Applied Microbiology</i> , 1996, 50, 687-692.		16
66	Lipase-Catalyzed Synthesis of Lysophosphatidylcholine. <i>Annals of the New York Academy of Sciences</i> , 1998, 864, 341-344.	3.8	16
67	Comparison of P _{aprE} , P _{amyE} , and P _{P43} promoter strength for Î ² -galactosidase and staphylokinase expression in <i>Bacillus subtilis</i> . <i>Biotechnology and Bioengineering</i> , 2008, 13, 313-318.	2.6	16
68	Production of 12-hydroxy dodecanoic acid methyl ester using a signal peptide sequence-optimized transporter AlkL and a novel monooxygenase. <i>Bioresource Technology</i> , 2019, 291, 121812.	9.6	16
69	Enhancing biosynthesis of 2'-Fucosyllactose in <i>Escherichia coli</i> through engineering lactose operon for lactose transport and Î ^{1,2} -Fucosyltransferase for solubility. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1264-1277.	3.3	16
70	Spatial epitranscriptomics reveals A-to-I editome specific to cancer stem cell microniches. <i>Nature Communications</i> , 2022, 13, 2540.	12.8	15
71	FCS and ECH dependent production of phenolic aldehyde and melanin pigment from l-tyrosine in <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2018, 112, 59-64.	3.2	14
72	Characterization of a Tryptophan 6-Halogenase from <i>Streptomyces albus</i> and Its Regioselectivity Determinants. <i>ChemBioChem</i> , 2020, 21, 1446-1452.	2.6	14

#	ARTICLE	IF	CITATIONS
73	Justification of continuous packed-bed reactor for retroviral vector production from amphotropic PsiCRIP murine producer cell. <i>Cytotechnology</i> , 2000, 34, 151-158.	1.6	13
74	Improved immobilized enzyme systems using spherical micro silica sol-gel enzyme beads. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 277-281.	2.6	13
75	Effect of transmembrane pressure on Factor VIII yield in ATF perfusion culture for the production of recombinant human Factor VIII co-expressed with von Willebrand factor. <i>Cytotechnology</i> , 2016, 68, 1687-1696.	1.6	13
76	LC/MS detection of oligogalacturonic acids obtained from tragacanth degradation by pectinase producing bacteria. <i>Journal of Basic Microbiology</i> , 2019, 59, 249-255.	3.3	13
77	Screening of <i>Exiguobacterium acetylicum</i> from soil samples showing enantioselective and alkalotolerant esterase activity. <i>Biotechnology and Bioprocess Engineering</i> , 2005, 10, 367-371.	2.6	12
78	Asymmetric synthesis of unnatural amino acids using thermophilic aromatic amino acid transaminase. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 299-305.	2.6	12
79	Laser desorption/ionization Mass spectrometry using mesoporous silicate as matrix for the analysis of various molecules. <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 174-179.	2.6	12
80	Enzymatic production of (R)-phenylacetylcarbinol by pyruvate decarboxylase from <i>Zymomonas mobilis</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 372-376.	2.6	12
81	Recent advances in the microbial hydroxylation and reduction of soy isoflavones. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	12
82	In vivo Protein Evolution, Next Generation Protein Engineering Strategy: from Random Approach to Target-specific Approach. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 85-94.	2.6	12
83	Development of cellulose-based conductive fabrics with electrical conductivity and flexibility. <i>PLoS ONE</i> , 2020, 15, e0233952.	2.5	12
84	Effects of Sucrose, Phosphate, and Calcium Carbonate on the Production of Pikromycin from <i>Streptomyces venezuelae</i> . <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 496-502.	2.1	12
85	Light-Triggered In Situ Biosynthesis of Artificial Melanin for Skin Protection. <i>Advanced Science</i> , 2022, 9, e2103503.	11.2	12
86	An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on <i>Faecalibacterium prausnitzii</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 825399.	4.1	12
87	Implementing bacterial acid resistance into cell-free protein synthesis for buffer-free expression and screening of enzymes. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2630-2635.	3.3	11
88	A MALDI-MS-based quantitative analytical method for endogenous estrone in human breast cancer cells. <i>Scientific Reports</i> , 2016, 6, 24489.	3.3	11
89	Elucidating Cysteine-Assisted Synthesis of Indirubin by a Flavin-Containing Monooxygenase. <i>ACS Catalysis</i> , 2019, 9, 9539-9544.	11.2	11
90	Biochemical reactions on a microfluidic chip based on a precise fluidic handling method at the nanoliter scale. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 146-153.	2.6	10

#	ARTICLE	IF	CITATIONS
91	Preclinical studies for pharmacokinetics and biodistribution of Ad-stTRAIL, an adenovirus delivering secretable trimeric TRAIL for gene therapy. <i>Experimental and Molecular Medicine</i> , 2011, 43, 580.	7.7	10
92	Lipase catalyzed reaction of L-ascorbic acid with cinnamic acid esters and substituted cinnamic acids. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 50-54.	2.6	10
93	BeReTa: a systematic method for identifying target transcriptional regulators to enhance microbial production of chemicals. <i>Bioinformatics</i> , 2017, 33, 87-94.	4.1	10
94	Identification of (R)-selective α -aminotransferases by exploring evolutionary sequence space. <i>Enzyme and Microbial Technology</i> , 2018, 110, 46-52.	3.2	10
95	Chitooligosaccharides and Thermostable Chitinase Against Vulvovaginal Candidiasis and Saprophyte Fungi: LC Mass Studies of Shrimp Shell Fermentation by <i>Bacillus altitudinis</i> . <i>Current Microbiology</i> , 2020, 77, 40-48.	2.2	10
96	Characterization of two-step deglycosylation via oxidation by glycoside oxidoreductase and defining their subfamily. <i>Scientific Reports</i> , 2015, 5, 10877.	3.3	9
97	NAD ⁺ -specific glutamate dehydrogenase (EC.1.4.1.2) in <i>Streptomyces coelicolor</i> ; in vivo characterization and the implication for nutrient-dependent secondary metabolism. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5527-5536.	3.6	9
98	Transcriptome analysis of wild-type and <i>afsS</i> deletion mutant strains identifies synergistic transcriptional regulator of <i>afsS</i> for a high antibiotic-producing strain of <i>Streptomyces coelicolor</i> A3(2). <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3243-3253.	3.6	9
99	Rewiring FadR regulon for the selective production of α -hydroxy palmitic acid from glucose in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2018, 47, 414-422.	7.0	9
100	Development of an in vitro coculture device for the investigation of host-microbe interactions via integrative multiomics approaches. <i>Biotechnology and Bioengineering</i> , 2021, 118, 1593-1604.	3.3	9
101	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 819-823.	2.2	8
102	Rational engineering of ornithine decarboxylase with greater selectivity for ornithine over lysine through protein network analysis. <i>Journal of Biotechnology</i> , 2018, 281, 175-182.	3.8	8
103	Engineering <i>Streptomyces coelicolor</i> for production of monomethyl branched chain fatty acids. <i>Journal of Biotechnology</i> , 2020, 307, 69-76.	3.8	8
104	Enzymatic Synthesis of Aliphatic Primary α -Amino Alcohols from α -Amino Fatty Acids by Carboxylic Acid Reductase. <i>Catalysis Letters</i> , 2020, 150, 3079-3085.	2.6	8
105	New application of the CRISPR-Cas9 system for site-specific exogenous gene doping analysis. <i>Drug Testing and Analysis</i> , 2021, 13, 871-875.	2.6	8
106	Application of Random Mutagenesis and Synthetic FadR Promoter for de novo Production of α -Hydroxy Fatty Acid in <i>Yarrowia lipolytica</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 624838.	4.1	8
107	Kinetic Resolution of Racemic \pm -Methyl- β -propiothiolactone by Lipase-Catalyzed Hydrolysis. <i>Biotechnology Progress</i> , 2000, 16, 973-978.	2.6	7
108	Fabrication of disposable protein chip for simultaneous sample detection. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 455-461.	2.6	6

#	ARTICLE	IF	CITATIONS
109	Expression profiling of <i>Streptomyces peucetius</i> metabolic genes using DNA microarray analysis. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 738-744.	2.6	6
110	Selective removal of anti-Î±-Gal antibodies from human serum by using synthetic Î±-Gal epitope on a core-shell type resin. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 445-452.	2.6	6
111	The role of NdgR in glycerol metabolism in <i>Streptomyces coelicolor</i> . <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1573-1580.	3.4	6
112	Exploiting transcriptomic data for metabolic engineering: toward a systematic strain design. <i>Current Opinion in Biotechnology</i> , 2018, 54, 26-32.	6.6	6
113	Structural characterization of phosphoethanolamine-modified lipid A from probiotic <i>Escherichia coli</i> strain Nissle 1917. <i>RSC Advances</i> , 2019, 9, 19762-19771.	3.6	6
114	Enzymatic Synthesis of Î±-Hydroxydodecanoic Acid By Employing a Cytochrome P450 from <i>Limnobacter</i> sp. 105 MED. <i>Catalysts</i> , 2019, 9, 54.	3.5	6
115	RiSLnet: Rapid identification of smart mutant libraries using protein structure network. Application to thermal stability enhancement. <i>Biotechnology and Bioengineering</i> , 2019, 116, 250-259.	3.3	6
116	A multi-enzyme cascade reaction for the production of Î±,Î±-dicarboxylic acids from free fatty acids. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 358-365.	5.8	6
117	The Reductive Amination of Carbonyl Compounds Using Native Amine Dehydrogenase from <i>Laribacter hongkongensis</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 384-391.	2.6	6
118	High-level secretory production of intact, biologically active staphylokinase from <i>Bacillus subtilis</i> . <i>Biotechnology and Bioengineering</i> , 1999, 62, 87-96.	3.3	6
119	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 999-1004.	2.2	5
120	Nanopatterning of proteins using composite nanomold and self-assembled polyelectrolyte multilayers. <i>Macromolecular Research</i> , 2009, 17, 232-239.	2.4	5
121	Comparative N-Linked Glycan Analysis of Wild-Type and Î±1,3-Galactosyltransferase Gene Knock-Out Pig Fibroblasts Using Mass Spectrometry Approaches. <i>Molecules and Cells</i> , 2015, 38, 65-74.	2.6	5
122	Modified harvest system for enhancing Factor VIII yield in alternating tangential flow perfusion culture. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 561-565.	2.2	5
123	To the Final Goal: Can We Predict and Suggest Mutations for Protein to Develop Desired Phenotype?. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 134-143.	2.6	5
124	Regioselective Biotransformation of Phloretin Using <i>Streptomyces avermitilis</i> MA4680. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 272-278.	2.6	5
125	Novel <i>Bacillus subtilis</i> Spore-Displayed Tyrosinase Kit for Rapid Detection of Tyrosine in Urine: Pharmaceutical Applications for the Early Diagnosis of Kidney-Related Diseases. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 331-334.	1.4	5
126	Development of a CHO cell line for stable production of recombinant antibodies against human MMP9. <i>BMC Biotechnology</i> , 2022, 22, 8.	3.3	5

#	ARTICLE	IF	CITATIONS
127	Application of LFH-PCR for the disruption of SpoIIIE and SpoIIIG of <i>B. subtilis</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2000, 5, 327-331.	2.6	4
128	A versatile PCR-based tandem epitope tagging system for <i>Streptomyces coelicolor</i> genome. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 22-27.	2.1	4
129	Highly sensitive glycosylation analysis of membrane glycoproteins avoiding polymeric contaminants. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 545-550.	2.6	4
130	Identification of novel cytochrome P450 homologs using overlapped conserved residues based approach. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 431-438.	2.6	4
131	Ortho-hydroxylation of mammalian lignan enterodiol by cytochrome P450s from <i>Actinomycetes</i> sp.. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 471-477.	2.7	4
132	Effect of Extracellular Tyrosinase on the Expression Level of P450, Fpr, and Fdx and Ortho-hydroxylation of Daidzein in <i>Streptomyces avermitilis</i> . <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 1036-1046.	2.9	4
133	Characterization of ELP-fused α -Transaminase and Its Application for the Biosynthesis of β -Amino Acid. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 481-489.	2.6	4
134	Decreased Growth and Antibiotic Production in <i>Streptomyces coelicolor</i> A3(2) by Deletion of a Highly Conserved DeoR Family Regulator, SCO1463. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 613-621.	2.6	4
135	Polyphenol-Hydroxylating Tyrosinase Activity under Acidic pH Enables Efficient Synthesis of Plant Catechols and Gallols. <i>Microorganisms</i> , 2021, 9, 1866.	3.6	4
136	Asymmetric synthesis of chiral amines with α -transaminase. <i>Biotechnology and Bioengineering</i> , 1999, 65, 206.	3.3	4
137	Rationally Designed Eugenol-Based Chain Extender for Self-Healing Polyurethane Elastomers. <i>ACS Omega</i> , 2021, 6, 28848-28858.	3.5	4
138	Production of Theasinensin A Using Laccase as Antioxidant and Antiaging Agent. <i>Biotechnology and Bioprocess Engineering</i> , 2022, 27, 253-261.	2.6	4
139	Synthesis of soluble melanin nanoparticles under acidic conditions using <i>Burkholderia cepacia</i> tyrosinase and their characterization. <i>RSC Advances</i> , 2022, 12, 17434-17442.	3.6	4
140	Production of sialyltrisaccharides using β -galactosidase and trans-sialidase in one pot. <i>Biotechnology and Bioprocess Engineering</i> , 2000, 5, 215-218.	2.6	3
141	A new flow path design for multidimensional protein identification technology using nano-liquid chromatography electrospray ionization mass spectrometry. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 417-421.	2.7	3
142	Regioselectivity-driven evolution of CYP102D1 for improved synthesis of 3 α -ortho-dihydroxyisoflavone. <i>Enzyme and Microbial Technology</i> , 2015, 71, 20-27.	3.2	3
143	rational design and directed evolution of CYP102A1 (BM3) for regio-specific hydroxylation of isoflavone. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 225-233.	2.6	3
144	Regioselective One-Pot Synthesis of Hydroxy-(S)-Equols Using Isoflavonoid Reductases and Monooxygenases and Evaluation of the Hydroxyequol Derivatives as Selective Estrogen Receptor Modulators and Antioxidants. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 830712.	4.1	3

#	ARTICLE	IF	CITATIONS
145	Generation of Recombinant Antibodies in HEK293F Cells for the Detection of <i>Staphylococcus aureus</i> . ACS Omega, 2022, 7, 9690-9700.	3.5	3
146	An integrative approach for high-throughput screening and characterization of transcriptional regulators in <i>Streptomyces coelicolor</i> . Pure and Applied Chemistry, 2010, 82, 57-67.	1.9	1
147	Subgrouping Automata: Automatic sequence subgrouping using phylogenetic tree-based optimum subgrouping algorithm. Computational Biology and Chemistry, 2014, 48, 64-70.	2.3	1
148	Plasmid stability in a recombinant mammalian cell bioprocess. Biotechnology Letters, 1992, 14, 351-356.	2.2	0
149	The effects of reformulating buffer species and their concentrations on subtilisin-catalyzed optical resolution of racemic 1-phenylethylamine in 3-methyl-3-pentanol. Biotechnology and Bioprocess Engineering, 1997, 2, 43-47.	2.6	0
150	Lysine μ -aminotransferases: kinetic constants, substrate specificities, and the variation in active site residues. Enzyme and Microbial Technology, 2016, 84, 11-16.	3.2	0
151	Development of Quenching-qPCR (Q-Q) assay for measuring absolute intracellular cleavage efficiency of ribozyme. Analytical Biochemistry, 2018, 550, 27-33.	2.4	0
152	Expression of soluble recombinant human matrix metalloproteinase 9 and generation of its monoclonal antibody. Protein Expression and Purification, 2021, 187, 105931.	1.3	0
153	Trap column-based intact mass spectrometry for rapid and accurate evaluation of protein molecular weight. RSC Advances, 2022, 12, 15643-15651.	3.6	0