

Sun-Mee Lee

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198
papers

5,571
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37
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67
g-index

204
ext. papers

6,216
ext. citations

4.6
avg, IF

5.51
L-index

#	Paper	IF	Citations
198	T-DNA insertional mutagenesis for functional genomics in rice. <i>Plant Journal</i> , 2000 , 22, 561-70	6.9	574
197	Effects of various pretreatments for enhanced anaerobic digestion with waste activated sludge. <i>Journal of Bioscience and Bioengineering</i> , 2003 , 95, 271-5	3.3	505
196	Metabolic engineering of Escherichia coli for enhanced production of succinic acid, based on genome comparison and in silico gene knockout simulation. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 7880-7	4.8	255
195	Evaluation of the toxic impact of silver nanoparticles on Japanese medaka (<i>Oryzias latipes</i>). <i>Aquatic Toxicology</i> , 2009 , 94, 320-7	5.1	227
194	Hydrothermal acid pretreatment of Chlamydomonas reinhardtii biomass for ethanol production. <i>Journal of Microbiology and Biotechnology</i> , 2009 , 19, 161-6	3.3	153
193	The rice heterochronic gene SUPERNUMERARY BRACKETS regulates the transition from spikelet meristem to floral meristem. <i>Plant Journal</i> , 2007 , 49, 64-78	6.9	128
192	Biodegradation and biosorption for decolorization of synthetic dyes by <i>Funalia troglia</i> . <i>Biochemical Engineering Journal</i> , 2007 , 36, 59-65	4.2	121
191	Transgene structures in T-DNA-inserted rice plants. <i>Plant Molecular Biology</i> , 2003 , 52, 761-73	4.6	116
190	Production of 2,3-butanediol in <i>Saccharomyces cerevisiae</i> by in silico aided metabolic engineering. <i>Microbial Cell Factories</i> , 2012 , 11, 68	6.4	109
189	Converting carbohydrates extracted from marine algae into ethanol using various ethanolic <i>Escherichia coli</i> strains. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 164, 878-88	3.2	96
188	Pilot scale treatment of textile wastewater by combined process (fluidized biofilm process-chemical coagulation-electrochemical oxidation). <i>Water Research</i> , 2002 , 36, 3979-88	12.5	96
187	Mutations in the rice liguleless gene result in a complete loss of the auricle, ligule, and lamina joint. <i>Plant Molecular Biology</i> , 2007 , 65, 487-99	4.6	89
186	Systematic reverse genetic screening of T-DNA tagged genes in rice for functional genomic analyses: MADS-box genes as a test case. <i>Plant and Cell Physiology</i> , 2003 , 44, 1403-11	4.9	89
185	Deletion of lactate dehydrogenase in <i>Enterobacter aerogenes</i> to enhance 2,3-butanediol production. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 461-9	5.7	83
184	Microbial synthesis gas utilization and ways to resolve kinetic and mass-transfer limitations. <i>Bioresour. Technol.</i> , 2015 , 177, 361-74	11	81
183	Production of hydrogen from marine macro-algae biomass using anaerobic sewage sludge microflora. <i>Biotechnology and Bioengineering</i> , 2009 , 14, 307-315	3.1	70
182	High production of 2,3-butanediol from biodiesel-derived crude glycerol by metabolically engineered <i>Klebsiella oxytoca</i> M1. <i>Biotechnology for Biofuels</i> , 2015 , 8, 146	7.8	67

181	COD reduction and decolorization of textile effluent using a combined process. <i>Journal of Bioscience and Bioengineering</i> , 2003 , 95, 102-5	3.3	67
180	Microbial production of 2,3 butanediol from seaweed hydrolysate using metabolically engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2013 , 136, 329-36	11	63
179	Identification and functional analysis of light-responsive unique genes and gene family members in rice. <i>PLoS Genetics</i> , 2008 , 4, e1000164	6	59
178	Enzymatic production of glycerol carbonate from by-product after biodiesel manufacturing process. <i>Enzyme and Microbial Technology</i> , 2012 , 51, 143-7	3.8	51
177	Production of 1,2-propanediol from glycerol in <i>Saccharomyces cerevisiae</i> . <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 846-53	3.3	49
176	Improvement of 2,3-butanediol yield in <i>Klebsiella pneumoniae</i> by deletion of the pyruvate formate-lyase gene. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 6195-203	4.8	46
175	Cellulosic alcoholic fermentation using recombinant <i>Saccharomyces cerevisiae</i> engineered for the production of <i>Clostridium cellulovorans</i> endoglucanase and <i>Saccharomycopsis fibuligera</i> beta-glucosidase. <i>FEMS Microbiology Letters</i> , 2009 , 301, 130-6	2.9	46
174	Adding value to plant oils and fatty acids: Biological transformation of fatty acids into hydroxycarboxylic, dicarboxylic, and aminocarboxylic acids. <i>Journal of Biotechnology</i> , 2015 , 216, 158-66	3.7	44
173	Effect of internal pressure and gas/liquid interface area on the CO mass transfer coefficient using hollow fibre membranes as a high mass transfer gas diffusing system for microbial syngas fermentation. <i>Bioresource Technology</i> , 2014 , 169, 637-643	11	43
172	Removal of pathogenic factors from 2,3-butanediol-producing <i>Klebsiella</i> species by inactivating virulence-related wabG gene. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 1997-2007	5.7	43
171	Harvesting of microalgae using flocculation combined with dissolved air flotation. <i>Biotechnology and Bioprocess Engineering</i> , 2014 , 19, 143-149	3.1	42
170	Eco-toxicity of commercial silver nanopowders to bacterial and yeast strains. <i>Biotechnology and Bioprocess Engineering</i> , 2009 , 14, 490-495	3.1	42
169	Enhanced 2,3-butanediol production in recombinant <i>Klebsiella pneumoniae</i> via overexpression of synthesis-related genes. <i>Journal of Microbiology and Biotechnology</i> , 2012 , 22, 1258-63	3.3	42
168	Production of hydroxyundec-9-enoic acid and n-heptanoic acid from ricinoleic acid by recombinant <i>Escherichia coli</i> -based biocatalyst. <i>Process Biochemistry</i> , 2014 , 49, 617-622	4.8	41
167	Engineered <i>Enterobacter aerogenes</i> for efficient utilization of sugarcane molasses in 2,3-butanediol production. <i>Bioresource Technology</i> , 2013 , 139, 21-7	11	41
166	Enhanced 2,3-Butanediol Production by Optimizing Fermentation Conditions and Engineering <i>Klebsiella oxytoca</i> M1 through Overexpression of Acetoin Reductase. <i>PLoS ONE</i> , 2015 , 10, e0138109	3.7	41
165	Complete genome sequence of the 2,3-butanediol-producing <i>Klebsiella pneumoniae</i> strain KCTC 2242. <i>Journal of Bacteriology</i> , 2012 , 194, 2736-7	3.5	40
164	Complete genome sequence of <i>Enterobacter aerogenes</i> KCTC 2190. <i>Journal of Bacteriology</i> , 2012 , 194, 2373-4	3.5	40

163	Decolorization of acid black 52 by fungal immobilization. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 371-374	3.8	40
162	Optimization for biodegradation of 2,4,6-trinitrotoluene (TNT) by <i>Pseudomonas putida</i> . <i>Journal of Bioscience and Bioengineering</i> , 2003 , 95, 567-71	3.3	40
161	Hydrogen production by steam reforming of simulated liquefied natural gas (LNG) over nickel catalyst supported on mesoporous phosphorus-modified alumina xerogel. <i>Applied Catalysis B: Environmental</i> , 2014 , 148-149, 269-280	21.8	37
160	Tolerance of <i>Saccharomyces cerevisiae</i> K35 to lignocellulose-derived inhibitory compounds. <i>Biotechnology and Bioprocess Engineering</i> , 2011 , 16, 755-760	3.1	36
159	Transition metal-doped TiO ₂ nanowire catalysts for the oxidative coupling of methane. <i>Catalysis Communications</i> , 2014 , 50, 54-58	3.2	33
158	Suppressed acid formation by cofeeding of glucose and citrate in <i>Bacillus</i> cultures: emergence of pyruvate kinase as a potential metabolic engineering site. <i>Biotechnology Progress</i> , 1995 , 11, 380-5	2.8	33
157	Production of minicellulosomes from <i>Clostridium cellulovorans</i> for the fermentation of cellulosic ethanol using engineered recombinant <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 2010 , 310, 39-47	2.9	32
156	Optimization and morphology for decolorization of reactive black 5 by <i>Funalia trogii</i> . <i>Enzyme and Microbial Technology</i> , 2007 , 40, 1758-1764	3.8	32
155	Carbonic anhydrase: Its biocatalytic mechanisms and functional properties for efficient CO ₂ capture process development. <i>Engineering in Life Sciences</i> , 2013 , 13, 422-431	3.4	31
154	Synthesis of pure meso-2,3-butanediol from crude glycerol using an engineered metabolic pathway in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2012 , 166, 1801-13	3.2	30
153	Enzymatic coproduction of biodiesel and glycerol carbonate from soybean oil in solvent-free system. <i>Enzyme and Microbial Technology</i> , 2013 , 53, 154-8	3.8	29
152	Effects of polymer concentration and zone drawing on the structure and properties of biodegradable poly(butylene succinate) film. <i>Polymer</i> , 2000 , 41, 9055-9062	3.9	28
151	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	3.1	27
150	Optimization and scale-up of succinic acid production by <i>Mannheimia succiniciproducens</i> LPK7. <i>Journal of Microbiology and Biotechnology</i> , 2009 , 19, 167-71	3.3	27
149	Sustainable Production of Bioplastics from Lignocellulosic Biomass: Technoeconomic Analysis and Life-Cycle Assessment. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12419-12429	8.3	27
148	Development of <i>Escherichia coli</i> MG1655 strains to produce long chain fatty acids by engineering fatty acid synthesis (FAS) metabolism. <i>Enzyme and Microbial Technology</i> , 2011 , 49, 44-51	3.8	26
147	Metal-free cathodic catalyst with nitrogen- and phosphorus-doped ordered mesoporous carbon (NPOMC) for microbial fuel cells. <i>Journal of Power Sources</i> , 2020 , 451, 227816	8.9	25
146	Alleviation of carbon catabolite repression in <i>Enterobacter aerogenes</i> for efficient utilization of sugarcane molasses for 2,3-butanediol production. <i>Biotechnology for Biofuels</i> , 2015 , 8, 106	7.8	25

145	Complete genome sequence of <i>Klebsiella oxytoca</i> KCTC 1686, used in production of 2,3-butanediol. <i>Journal of Bacteriology</i> , 2012 , 194, 2371-2	3.5	25
144	Biokinetic parameter estimation for degradation of 2,4,6-trinitrotoluene (TNT) with <i>Pseudomonas putida</i> KP-T201. <i>Journal of Bioscience and Bioengineering</i> , 2002 , 94, 57-61	3.3	25
143	Improved production of long-chain fatty acid in <i>Escherichia coli</i> by an engineering elongation cycle during fatty acid synthesis (FAS) through genetic manipulation. <i>Journal of Microbiology and Biotechnology</i> , 2012 , 22, 990-9	3.3	25
142	Recent insights in the removal of <i>Klebsiella</i> pathogenicity factors for the industrial production of 2,3-butanediol. <i>Journal of Microbiology and Biotechnology</i> , 2013 , 23, 885-96	3.3	25
141	Metabolic profiling of <i>Klebsiella oxytoca</i> : evaluation of methods for extraction of intracellular metabolites using UPLC/Q-TOF-MS. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 425-38	3.2	24
140	Selective production of 2,3-butanediol and acetoin by a newly isolated bacterium <i>Klebsiella oxytoca</i> M1. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 1922-33	3.2	23
139	Expression, reconstruction and characterization of codon-optimized carbonic anhydrase from <i>Hahella chejuensis</i> for CO ₂ sequestration application. <i>Bioprocess and Biosystems Engineering</i> , 2013 , 36, 375-81	3.7	23
138	Effect of the molecular weight of poly(vinyl alcohol) on the water stability of a syndiotactic poly(vinyl alcohol)/iodine complex film. <i>Colloid and Polymer Science</i> , 2003 , 281, 416-422	2.4	23
137	Gas-liquid mass transfer coefficient of methane in bubble column reactor. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 1060-1063	2.8	22
136	Industrial Production of 2,3-Butanediol from the Engineered <i>Corynebacterium glutamicum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015 , 176, 2303-13	3.2	22
135	Natural variations at the Stay-Green gene promoter control lifespan and yield in rice cultivars. <i>Nature Communications</i> , 2020 , 11, 2819	17.4	22
134	Expression and characterization of codon-optimized carbonic anhydrase from <i>Dunaliella</i> species for CO ₂ sequestration application. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 2341-56	3.2	22
133	Intracellular transformation rates of fatty acids are influenced by expression of the fatty acid transporter FadL in <i>Escherichia coli</i> cell membrane. <i>Journal of Biotechnology</i> , 2018 , 281, 161-167	3.7	21
132	Expression levels of chaperones influence biotransformation activity of recombinant <i>Escherichia coli</i> expressing <i>Micrococcus luteus</i> alcohol dehydrogenase and <i>Pseudomonas putida</i> Baeyer-Villiger monooxygenase. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 889-95	4.9	21
131	Bioremediation of 2,4,6-trinitrotoluene contaminated soil in slurry and column reactors. <i>Journal of Bioscience and Bioengineering</i> , 2003 , 96, 429-33	3.3	21
130	Preparation of high molecular weight poly(vinyl alcohol) with high yield using low-temperature solution polymerization of vinyl acetate. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 1003-1012	2.9	21
129	High production of 2,3-butanediol from glycerol without 1,3-propanediol formation by <i>Raoultella ornithinolytica</i> B6. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 2821-2830	5.7	20
128	Improvement of fatty acid biosynthesis by engineered recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2011 , 16, 706-713	3.1	20

127	Improved fermentation of lignocellulosic hydrolysates to 2,3-butanediol through investigation of effects of inhibitory compounds by <i>Enterobacter aerogenes</i> . <i>Chemical Engineering Journal</i> , 2016 , 306, 916-924	14.7	20
126	Characterization of negative regulatory genes for the biosynthesis of rapamycin in <i>Streptomyces rapamycinicus</i> and its application for improved production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015 , 42, 125-35	4.2	19
125	Syndiotacticity-rich ultrahigh molecular-weight poly(vinyl alcohol) film. I. Determination of optimum polymer concentration by zone-drawing method in film preparation. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 123-134	2.9	19
124	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous nickel/iron/Alumina catalyst. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 5869-5877	6.7	18
123	OsASN1 Overexpression in Rice Increases Grain Protein Content and Yield under Nitrogen-Limiting Conditions. <i>Plant and Cell Physiology</i> , 2020 , 61, 1309-1320	4.9	18
122	Small Current but Highly Productive Synthesis of 1,3-Propanediol from Glycerol by an Electrode-Driven Metabolic Shift in <i>Klebsiella pneumoniae</i> L17. <i>ChemSusChem</i> , 2020 , 13, 564-573	8.3	18
121	Efficient simultaneous production of biodiesel and glycerol carbonate via statistical optimization. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 51, 49-53	6.3	17
120	Toxic effects of titanium dioxide nanoparticles on microbial activity and metabolic flux. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 276-282	3.1	17
119	Strain development and medium optimization for fumaric acid production. <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 761-769	3.1	17
118	Enhanced mass transfer rate of methane in aqueous phase via methyl-functionalized SBA-15. <i>Journal of Molecular Liquids</i> , 2016 , 215, 154-160	6	16
117	Dynamic modeling of lactic acid fermentation metabolism with <i>Lactococcus lactis</i> . <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 162-9	3.3	16
116	Metabolic engineering of type II methanotroph, <i>Methylosinus trichosporium</i> OB3b, for production of 3-hydroxypropionic acid from methane via a malonyl-CoA reductase-dependent pathway. <i>Metabolic Engineering</i> , 2020 , 59, 142-150	9.7	15
115	Redistribution of carbon flux toward 2,3-butanediol production in <i>Klebsiella pneumoniae</i> by metabolic engineering. <i>PLoS ONE</i> , 2014 , 9, e105322	3.7	15
114	Zeolite-Like Metal Organic Framework (ZMOF) with a rho Topology for a CO ₂ Cycloaddition to Epoxides. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 7078-7086	8.3	14
113	Increased expression level and catalytic activity of internally-duplicated carbonic anhydrase from <i>Dunaliella</i> species by reconstitution of two separate domains. <i>Process Biochemistry</i> , 2012 , 47, 1423-1427 ^{4.8}		14
112	Process design and evaluation of value-added chemicals production from biomass. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 1055-1061	3.1	14
111	Complete Genome Sequence of <i>Raoultella ornithinolytica</i> Strain B6, a 2,3-Butanediol-Producing Bacterium Isolated from Oil-Contaminated Soil. <i>Genome Announcements</i> , 2013 , 1,		14
110	Increased expression, folding and enzyme reaction rate of recombinant human insulin by selecting appropriate leader peptide. <i>Journal of Biotechnology</i> , 2011 , 151, 350-6	3.7	14

109	Effect of emulsion polymerization conditions of vinyl acetate on the viscosity fluctuation and gelation behavior of aqueous poly(vinyl alcohol) solution. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 1897-1902	2.9	14
108	Whole Cell Bioconversion of Ricinoleic Acid to 12-Ketooleic Acid by Recombinant <i>Corynebacterium glutamicum</i> -Based Biocatalyst. <i>Journal of Microbiology and Biotechnology</i> , 2015 , 25, 452-8	3.3	14
107	Determination of the Intracellular Concentrations of Metabolites in <i>Escherichia coli</i> Collected during the Exponential and Stationary Growth Phases using Liquid Chromatography-Mass Spectrometry. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 524-530	1.2	14
106	Oxaloacetate and malate production in engineered <i>Escherichia coli</i> by expression of codon-optimized phosphoenolpyruvate carboxylase2 gene from <i>Dunaliella salina</i> . <i>Bioprocess and Biosystems Engineering</i> , 2013 , 36, 127-31	3.7	13
105	Observation of 2,3-butanediol biosynthesis in Lys regulator mutated <i>Klebsiella pneumoniae</i> at gene transcription level. <i>Journal of Biotechnology</i> , 2013 , 168, 520-6	3.7	13
104	Molecular bases for differential aging programs between flag and second leaves during grain-filling in rice. <i>Scientific Reports</i> , 2017 , 7, 8792	4.9	13
103	Engineering <i>Escherichia coli</i> BL21 genome to improve the heptanoic acid tolerance by using CRISPR-Cas9 system. <i>Biotechnology and Bioprocess Engineering</i> , 2017 , 22, 231-238	3.1	13
102	Bulk polymerization of vinyl pivalate using low-temperature azoinitiator and saponification for the preparation of poly(vinyl alcohol) microfibrils. <i>Angewandte Makromolekulare Chemie</i> , 1999 , 271, 46-52		13
101	The regulation of 2,3-butanediol synthesis in <i>Klebsiella pneumoniae</i> as revealed by gene over-expressions and metabolic flux analysis. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 343-53	3.7	12
100	Enhancement of CH ₄ -water mass transfer using methyl-modified mesoporous silica nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 1744-1748	2.8	11
99	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous alkaline earth metal-promoted nickel-alumina xerogel catalysts. <i>Journal of Molecular Catalysis A</i> , 2013 , 380, 28-33		11
98	Enhancement of long-chain fatty acid production in <i>Escherichia coli</i> by coexpressing genes, including <i>fabF</i> , involved in the elongation cycle of fatty acid biosynthesis. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 169, 462-76	3.2	11
97	Small-angle neutron scattering study of the miscibility of metallocene-catalyzed octene linear low-density polyethylene and low-density polyethylene blends. <i>Journal of Applied Crystallography</i> , 2009 , 42, 161-168	3.8	11
96	Development of a <i>Saccharomyces cerevisiae</i> strain for the production of 1,2-propanediol by gene manipulation. <i>Enzyme and Microbial Technology</i> , 2009 , 45, 42-47	3.8	11
95	Eco-design and evaluation for production of 7-aminocephalosporanic acid from carbohydrate wastes discharged after microalgae-based biodiesel production. <i>Journal of Cleaner Production</i> , 2016 , 133, 511-517	10.3	10
94	Mevalonate production from ethanol by direct conversion through acetyl-CoA using recombinant <i>Pseudomonas putida</i> , a novel biocatalyst for terpenoid production. <i>Microbial Cell Factories</i> , 2019 , 18, 168	6.4	10
93	Engineering the substrate-binding domain of an esterase enhances its hydrolytic activity toward fatty acid esters. <i>Process Biochemistry</i> , 2014 , 49, 2101-2106	4.8	10
92	Computational identification of altered metabolism using gene expression and metabolic pathways. <i>Biotechnology and Bioengineering</i> , 2009 , 103, 835-43	4.9	10

91	Regulatory analysis of amino acid synthesis pathway in Escherichia coli: aspartate family. <i>Enzyme and Microbial Technology</i> , 2004 , 35, 694-706	3.8	10
90	Solution polymerization behavior of acrylonitrile by moderate temperature azoinitiator. <i>European Polymer Journal</i> , 1999 , 35, 647-653	5.2	10
89	A non-pathogenic and optically high concentrated (R,R)-2,3-butanediol biosynthesizing Klebsiella strain. <i>Journal of Biotechnology</i> , 2015 , 209, 7-13	3.7	9
88	Optimization of hollow fiber membrane cleaning process for microalgae harvest. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 949-955	2.8	9
87	Preparation of high molecular weight poly(methyl methacrylate) with high yield by room temperature suspension polymerization of methyl methacrylate. <i>Fibers and Polymers</i> , 2004 , 5, 75-81	2	9
86	Role of the stereosequences of poly(vinyl alcohol) in the rheological properties of syndiotacticity-rich poly(vinyl alcohol)/water solutions. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 1858-1863 ⁹	2.9	9
85	Enhanced mass transfer rate and solubility of methane via addition of alcohols for Methylosinus trichosporium OB3b fermentation. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 46, 350-355	6.3	8
84	Biotransformation of oleic acid into 10-ketostearic acid by recombinant Corynebacterium glutamicum-based biocatalyst. <i>Biotechnology Letters</i> , 2015 , 37, 1101-6	3	8
83	Increased 2,3-butanediol production by changing codon usages in Escherichia coli. <i>Biotechnology and Applied Biochemistry</i> , 2014 , 61, 535-40	2.8	8
82	Enhanced free fatty acid production by codon-optimized Lactococcus lactis acyl-ACP thioesterase gene expression in Escherichia coli using crude glycerol. <i>Enzyme and Microbial Technology</i> , 2014 , 67, 8-16 ^{3.8}	3.8	8
81	Correlations between FAS elongation cycle genes expression and fatty acid production for improvement of long-chain fatty acids in Escherichia coli. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 169, 1606-19	3.2	8
80	Heterologous co-expression of accA, FabD, and thioesterase genes for improving long-chain fatty acid production in Pseudomonas aeruginosa and Escherichia coli. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 24-38	3.2	8
79	Parameter estimation and dynamic control analysis of central carbon metabolism in Escherichia coli. <i>Biotechnology and Bioprocess Engineering</i> , 2011 , 16, 216-228	3.1	8
78	Effect of iodine absorption on the characteristics of syndiotacticity-rich high molecular weight poly(vinyl alcohol) microfibril. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 1519-1524	2.9	8
77	An array of Au nanoparticles on the nanopatterned Si(100). <i>Microelectronic Engineering</i> , 2005 , 81, 389-392 ⁵	3.5	8
76	High Production of 2,3-Butanediol (2,3-BD) by Raoultella ornithinolytica B6 via Optimizing Fermentation Conditions and Overexpressing 2,3-BD Synthesis Genes. <i>PLoS ONE</i> , 2016 , 11, e0165076	3.7	8
75	Isolation and characterization of a novel agarase-producing Pseudoalteromonas spp. bacterium from the guts of spiny turban shells. <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 818-21	3.3	8
74	Identification of factors regulating Escherichia coli 2,3-butanediol production by continuous culture and metabolic flux analysis. <i>Journal of Microbiology and Biotechnology</i> , 2012 , 22, 659-67	3.3	8

73	Effective suppression of deactivation by utilizing Ni-doped ordered mesoporous alumina-supported catalysts for the production of hydrogen and CO gas mixture from methane. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 24744-24756	6.7	7
72	Inactivation of the virulence factors from 2,3-butanediol-producing <i>Klebsiella pneumoniae</i> . <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 9427-38	5.7	7
71	Optimization of cross flow filtration system for <i>Dunaliella tertiolecta</i> and <i>Tetraselmis</i> sp. microalgae harvest. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 1377-1380	2.8	7
70	Hydrogen Production from Methane by <i>Methylomonas</i> sp. DH-1 under Micro-aerobic Conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2020 , 25, 71-77	3.1	7
69	Expression of codon-optimized phosphoenolpyruvate carboxylase gene from <i>Glaciecola</i> sp. HTCC2999 in <i>Escherichia coli</i> and its application for C4 chemical production. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 1845-53	3.2	7
68	Increased ethanol resistance in Ethanolic <i>Escherichia coli</i> by Insertion of heat-shock genes BEM1 and SOD2 from <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 770-776	3.1	7
67	Effect of copolycondensation temperature on the reactivity ratios of bis(4-hydroxybutyl) terephthalate and bis(2-hydroxyethyl) terephthalate. <i>Polymer Bulletin</i> , 1999 , 42, 9-16	2.4	7
66	Biokinetic parameter estimation for degradation of 2,4,6-trinitrotoluene (TNT) with <i>Pseudomonas putida</i> KP-T201. <i>Journal of Bioscience and Bioengineering</i> , 2002 , 94, 57-61	3.3	7
65	Mass Transfer Performance of a String Film Reactor: A Bioreactor Design for Aerobic Methane Bioconversion. <i>Catalysts</i> , 2018 , 8, 490	4	7
64	Negatively Regulates Internode Elongation and Plant Height by Modulating GA Homeostasis in Rice. <i>Plants</i> , 2020 , 9,	4.5	6
63	Improvement of free fatty acid production in <i>Escherichia coli</i> using codon-optimized <i>Streptococcus pyogenes</i> acyl-ACP thioesterase. <i>Bioprocess and Biosystems Engineering</i> , 2013 , 36, 1519-25	3.7	6
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