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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.

124 papers	2,388 citations	29 h-index	43 g-index
132 ext. papers	3,095 ext. citations	6.1 avg, IF	5.86 L-index

#	Paper	IF	Citations
124	Recent Developments on Genetic Engineering of Microalgae for Biofuels and Bio-Based Chemicals. <i>Biotechnology Journal</i> , 2017 , 12, 1600644	5.6	109
123	Phototrophic cultivation of a thermo-tolerant <i>Desmodesmus</i> sp. for lutein production: effects of nitrate concentration, light intensity and fed-batch operation. <i>Bioresource Technology</i> , 2013 , 144, 435-44 ¹¹		94
122	CRISPRi mediated phosphoenolpyruvate carboxylase regulation to enhance the production of lipid in <i>Chlamydomonas reinhardtii</i> . <i>Bioresource Technology</i> , 2017 , 245, 1527-1537	11	91
121	Autotrophic cultivation of <i>Spirulina platensis</i> for CO ₂ fixation and phycocyanin production. <i>Chemical Engineering Journal</i> , 2012 , 183, 192-197	14.7	83
120	High-level production of a thermoacidophilic beta-glucosidase from <i>Penicillium citrinum</i> YS40-5 by solid-state fermentation with rice bran. <i>Bioresource Technology</i> , 2010 , 101, 1310-7	11	81
119	Impact of carbon and nitrogen feeding strategy on high production of biomass and docosahexaenoic acid (DHA) by <i>Schizochytrium</i> sp. LU310. <i>Bioresource Technology</i> , 2015 , 184, 139-147	11	76
118	Enhanced integration of large DNA into <i>E. coli</i> chromosome by CRISPR/Cas9. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 172-183	4.9	66
117	Antibacterial activity of quaternized chitosan modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 569-577	7.9	66
116	Three-dimensional CFD-PBM coupled model of the temperature fields in fluidized-bed polymerization reactors. <i>AIChE Journal</i> , 2011 , 57, 3351-3366	3.6	64
115	A novel endo-glucanase from the thermophilic bacterium <i>Geobacillus</i> sp. 70PC53 with high activity and stability over a broad range of temperatures. <i>Extremophiles</i> , 2009 , 13, 425-35	3	60
114	Genetic engineering of microalgae for enhanced biorefinery capabilities. <i>Biotechnology Advances</i> , 2020 , 43, 107554	17.8	57
113	A highly efficient two-stage cultivation strategy for lutein production using heterotrophic culture of <i>Chlorella sorokiniana</i> MB-1-M12. <i>Bioresource Technology</i> , 2018 , 253, 141-147	11	46
112	Understanding interactive characteristics of bioelectricity generation and reductive decolorization using <i>Proteus hauseri</i> . <i>Bioresource Technology</i> , 2011 , 102, 1159-65	11	44
111	Challenges and opportunity of recent genome editing and multi-omics in cyanobacteria and microalgae for biorefinery. <i>Bioresource Technology</i> , 2019 , 291, 121932	11	43
110	Decolorization of textile azo dye and Congo red by an isolated strain of the dissimilatory manganese-reducing bacterium <i>Shewanella xiamenensis</i> BC01. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 2297-308	5.7	43
109	Simultaneous enhancement of CO ₂ fixation and lutein production with thermo-tolerant <i>Desmodesmus</i> sp. F51 using a repeated fed-batch cultivation strategy. <i>Biochemical Engineering Journal</i> , 2014 , 86, 33-40	4.2	42
108	Dynamic synergistic effect on <i>Trichoderma reesei</i> cellulases by novel β -glucosidases from Taiwanese fungi. <i>Bioresource Technology</i> , 2011 , 102, 6073-81	11	42

107	Flotation: A promising microalgae harvesting and dewatering technology for biofuels production. <i>Biotechnology Journal</i> , 2016 , 11, 315-26	5.6	42
106	Biorefining of protein waste for production of sustainable fuels and chemicals. <i>Biotechnology for Biofuels</i> , 2018 , 11, 256	7.8	41
105	Expression of Synthetic Phytoene Synthase Gene to Enhance β -Carotene Production in <i>Scenedesmus</i> sp. CPC2. <i>Biotechnology Journal</i> , 2017 , 12, 1700204	5.6	34
104	Enhancing carbon capture and lipid accumulation by genetic carbonic anhydrase in microalgae. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 131-141	5.3	34
103	Daptomycin antibiotic production processes in fed-batch fermentation by <i>Streptomyces roseosporus</i> NRRL11379 with precursor effect and medium optimization. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 415-23	3.7	32
102	Enhancing lutein production with mixotrophic cultivation of <i>Chlorella sorokiniana</i> MB-1-M12 using different bioprocess operation strategies. <i>Bioresource Technology</i> , 2019 , 278, 17-25	11	32
101	Exploring fermentation strategies for enhanced lactic acid production with polyvinyl alcohol-immobilized <i>Lactobacillus plantarum</i> 23 using microalgae as feedstock. <i>Bioresource Technology</i> , 2020 , 308, 123266	11	31
100	Synergistic effect of <i>Trichoderma reesei</i> cellulases on agricultural tea waste for adsorption of heavy metal Cr(VI). <i>Bioresource Technology</i> , 2013 , 145, 297-301	11	31
99	The prospective and potential of carbonic anhydrase for carbon dioxide sequestration: A critical review. <i>Process Biochemistry</i> , 2019 , 87, 55-65	4.8	30
98	Disruption of thermo-tolerant <i>Desmodesmus</i> sp. F51 in high pressure homogenization as a prelude to carotenoids extraction. <i>Biochemical Engineering Journal</i> , 2016 , 109, 243-251	4.2	30
97	Deciphering simultaneous bioelectricity generation and reductive decolorization using mixed-culture microbial fuel cells in salty media. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013 , 44, 446-453	5.3	30
96	Implication of substrate-assisted catalysis on improving lipase activity or enantioselectivity in organic solvents. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 1424-8	4	30
95	Deciphering mediating characteristics of decolorized intermediates for reductive decolorization and bioelectricity generation. <i>Bioresource Technology</i> , 2013 , 145, 321-5	11	29
94	Production, characterization and antibacterial activity of exopolysaccharide from a newly isolated <i>Weissella cibaria</i> under sucrose effect. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 126, 769-777	3.3	29
93	A Critical Review of Genome Editing and Synthetic Biology Applications in Metabolic Engineering of Microalgae and Cyanobacteria. <i>Biotechnology Journal</i> , 2020 , 15, e1900228	5.6	28
92	Deciphering simultaneous bioelectricity generation and dye decolorization using <i>Proteus hauseri</i> . <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 502-7	3.3	28
91	Kinetic simulating of Cr(VI) removal by the waste <i>Chlorella vulgaris</i> biomass. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 1773-1782	5.3	27
90	Development of CRISPR/Cas9 system in <i>Chlorella vulgaris</i> FSP-E to enhance lipid accumulation. <i>Enzyme and Microbial Technology</i> , 2020 , 133, 109458	3.8	27

89	Purification of lysozyme from chicken egg white using nanofiber membrane immobilized with Reactive Orange 4 dye. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 458-468	7.9	26
88	Pyrosequencing Reveals a Core Community of Anodic Bacterial Biofilms in Bioelectrochemical Systems from China. <i>Frontiers in Microbiology</i> , 2015 , 6, 1410	5.7	26
87	Efficient carbon dioxide sequestration by using recombinant carbonic anhydrase. <i>Process Biochemistry</i> , 2018 , 73, 38-46	4.8	22
86	Partially purified <i>Carica papaya</i> lipase: a versatile biocatalyst for the hydrolytic resolution of (R,S)-2-arylpropionic thioesters in water-saturated organic solvents. <i>Biotechnology and Bioengineering</i> , 2005 , 91, 106-13	4.9	22
85	Antibacterial efficacy of chitosan- and poly(hexamethylene biguanide)-immobilized nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 844-854	7.9	20
84	Electron transport phenomena of electroactive bacteria in microbial fuel cells: a review of <i>Proteus hauseri</i> . <i>Bioresources and Bioprocessing</i> , 2017 , 4,	5.2	20
83	Exploring new strains of dye-decolorizing bacteria. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 508-14	3.3	20
82	Towards protein production and application by using <i>Chlorella</i> species as circular economy. <i>Bioresource Technology</i> , 2019 , 289, 121625	11	18
81	Copper ion-stimulated McoA-laccase production and enzyme characterization in <i>Proteus hauseri</i> ZMd44. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 388-93	3.3	18
80	Efficient biotransformation of L-lysine into cadaverine by strengthening pyridoxal 5-phosphate-dependent proteins in <i>Escherichia coli</i> with cold shock treatment. <i>Biochemical Engineering Journal</i> , 2020 , 161, 107659	4.2	17
79	Enhanced exopolysaccharide production and biological activity of <i>Lactobacillus rhamnosus</i> ZY with calcium and hydrogen peroxide. <i>Process Biochemistry</i> , 2017 , 52, 295-304	4.8	17
78	Hydrolytic resolution of (R,S)-naproxen 2,2,2-trifluoroethyl thioester by <i>Carica papaya</i> lipase in water-saturated organic solvents. <i>Biotechnology and Bioengineering</i> , 2005 , 89, 88-95	4.9	17
77	New Insight into Plasmid-Driven T7 RNA Polymerase in and Use as a Genetic Amplifier for a Biosensor. <i>ACS Synthetic Biology</i> , 2020 , 9, 613-622	5.7	15
76	Cloning and characterization of a robust recombinant azoreductase from <i>Shewanella xiamenensis</i> BC01. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 61, 97-105	5.3	15
75	Enhanced 5-Aminolevulinic Acid Production by Co-expression of Codon-Optimized hemaA Gene with Chaperone in Genetic Engineered <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2020 , 191, 299-312	3.2	15
74	5-Aminolevulinic acid promotes arachidonic acid biosynthesis in the red microalga. <i>Biotechnology for Biofuels</i> , 2017 , 10, 168	7.8	14
73	Molecular cloning and heterologous expression of laccase from <i>Aeromonas hydrophila</i> NIU01 in <i>Escherichia coli</i> with parameters optimization in production. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 169, 2223-35	3.2	14
72	Fabrication of bio-based polyamide 56 and antibacterial nanofiber membrane from cadaverine. <i>Chemosphere</i> , 2021 , 266, 128967	8.4	14

71	Biofabrication of gold nanoparticles by Shewanella species. <i>Bioresources and Bioprocessing</i> , 2017 , 4,	5.2	13
70	Mechanism study of photo-induced gold nanoparticles formation by Shewanella oneidensis MR-1. <i>Scientific Reports</i> , 2019 , 9, 7589	4.9	12
69	ARduino-pH Tracker and screening platform for characterization of recombinant carbonic anhydrase in Escherichia coli. <i>Biotechnology Progress</i> , 2019 , 35, e2834	2.8	12
68	Orthogonal array deciphering MRS medium requirements for isolated Lactobacillus rhamnosus ZY with cell properties characterization. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 118, 298-304	3.3	12
67	Investigation of lipases from various Carica papaya varieties for hydrolysis of olive oil and kinetic resolution of (R,S)-profen 2,2,2-trifluoroethyl thioesters. <i>Process Biochemistry</i> , 2006 , 41, 540-546	4.8	12
66	Design and optimization of bioreactor to boost carbon dioxide assimilation in RuBisCo-equipped Escherichia coli. <i>Bioresource Technology</i> , 2020 , 314, 123785	11	11
65	Direct proteomic mapping of Streptomyces roseosporus NRRL 11379 with precursor and insights into daptomycin biosynthesis. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 591-7	3.3	11
64	Cloning and expression of Cel8A from Klebsiella pneumoniae in Escherichia coli and comparison to cel gene of Cellulomonas uda. <i>Biochemical Engineering Journal</i> , 2013 , 78, 53-58	4.2	11
63	Cultural optimization and metal effects of Shewanella xiamenensis BC01 growth and swarming motility. <i>Bioresources and Bioprocessing</i> , 2015 , 2,	5.2	11
62	Genetic design of co-expressed Mesorhizobium loti carbonic anhydrase and chaperone GroELS to enhancing carbon dioxide sequestration. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 326-334	7.9	11
61	High-level l-lysine bioconversion into cadaverine with enhanced productivity using engineered Escherichia coli whole-cell biocatalyst. <i>Biochemical Engineering Journal</i> , 2020 , 157, 107547	4.2	10
60	Enhancing beta-carotene biosynthesis and gene transcriptional regulation in Blakeslea trispora with sodium acetate. <i>Biochemical Engineering Journal</i> , 2016 , 114, 10-17	4.2	10
59	Copper response of Proteus hauseri based on proteomic and genetic expression and cell morphology analyses. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 173, 1057-72	3.2	10
58	Proteomics approach to decipher novel genes and enzymes characterization of a bioelectricity-generating and dye-decolorizing bacterium Proteus hauseri ZMd44. <i>Biotechnology and Bioprocess Engineering</i> , 2013 , 18, 8-17	3.1	10
57	Exploring metal effects and synergistic interactions of ferric stimulation on azo-dye decolorization by new indigenous Acinetobacter guillouiae Ax-9 and Rahnella aquatilis DX2b. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 217-24	3.7	10
56	Lipase-catalyzed dynamic hydrolytic resolution of (R,S)-2,2,2-trifluoroethyl Ethchlorophenyl acetate in water-saturated isooctane. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 1715-1721	3.5	10
55	Crosslinked on novel nanofibers with thermophilic carbonic anhydrase for carbon dioxide sequestration. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 930-938	7.9	10
54	Enhancement of C-phycocyanin purity using negative chromatography with chitosan-modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 615-628	7.9	9

53	Enzymatic exploration of catalase from a nanoparticle producing and biodecolorizing algae <i>Shewanella xiamenensis</i> BC01. <i>Bioresource Technology</i> , 2015 , 184, 429-435	11	9
52	Facilitating the enzymatic conversion of lysine to cadaverine in engineered <i>Escherichia coli</i> with metabolic regulation by genes deletion. <i>Biochemical Engineering Journal</i> , 2020 , 156, 107514	4.2	9
51	Quantification, regulation and production of 5-aminolevulinic acid by green fluorescent protein in recombinant <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2020 , 129, 387-394	3.3	9
50	Simple, effective protein extraction method and proteomics analysis from polyunsaturated fatty acids-producing micro-organisms. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 2331-41	3.7	8
49	Engineering pyridoxal kinase PdxY-integrated <i>Escherichia coli</i> strain and optimization for high-level 5-aminolevulinic acid production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 120, 49-58	5.3	8
48	Development of <i>Escherichia coli</i> Nissle 1917 derivative by CRISPR/Cas9 and application for gamma-aminobutyric acid (GABA) production in antibiotic-free system. <i>Biochemical Engineering Journal</i> , 2021 , 168, 107952	4.2	8
47	Stepwise optimization of genetic RuBisCO-equipped <i>Escherichia coli</i> for low carbon-footprint protein and chemical production. <i>Green Chemistry</i> , 2021 , 23, 4800-4813	10	8
46	Formation and characterization of extracellular polymeric substance from <i>Shewanella xiamenensis</i> BC01 under calcium stimulation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 57, 175-181	5.3	7
45	Explored a cryptic plasmid pSXM33 from <i>Shewanella xiamenensis</i> BC01 and construction as the shuttle vector. <i>Biotechnology and Bioprocess Engineering</i> , 2016 , 21, 68-78	3.1	7
44	<i>Trichoderma reesei</i> Cellulase Complex in Hydrolysis of Agricultural Waste of Grapefruit Peel and Orange Peel. <i>BioResources</i> , 2014 , 9,	1.3	7
43	CRISPR/Cas9 nuclease cleavage enables marker-free genome editing in <i>Escherichia coli</i> : A sequential study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 68, 31-39	5.3	7
42	Pyridoxal kinase PdxY mediated carbon dioxide assimilation to enhance the biomass in <i>Chlamydomonas reinhardtii</i> CC-400. <i>Bioresource Technology</i> , 2021 , 322, 124530	11	7
41	Establishment of toolkit and T7RNA polymerase/promoter system in <i>Shewanella oneidensis</i> MR-1. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 109, 8-14	5.3	6
40	Heterologous expression of an acidophilic multicopper oxidase in <i>Escherichia coli</i> and its applications in biorecovery of gold. <i>Bioresources and Bioprocessing</i> , 2017 , 4,	5.2	6
39	Development of chromosome-based T7 RNA polymerase and orthogonal T7 promoter circuit in <i>Escherichia coli</i> W3110 as a cell factory. <i>Bioresources and Bioprocessing</i> , 2020 , 7,	5.2	6
38	Redirection of metabolic flux in <i>Shewanella oneidensis</i> MR-1 by CRISPRi and modular design for 5-aminolevulinic acid production. <i>Bioresources and Bioprocessing</i> , 2021 , 8,	5.2	6
37	Turn on the Mtr pathway genes under pLacI promoter in <i>Shewanella oneidensis</i> MR-1. <i>Bioresources and Bioprocessing</i> , 2018 , 5,	5.2	6
36	Whole-cell biocatalyst for cadaverine production using stable, constitutive and high expression of lysine decarboxylase in recombinant <i>Escherichia coli</i> W3110. <i>Enzyme and Microbial Technology</i> , 2021 , 148, 109811	3.8	6

35	Effective purification of lysozyme from chicken egg white by tris(hydroxymethyl)aminomethane affinity nanofiber membrane. <i>Food Chemistry</i> , 2020 , 327, 127038	8.5	5
34	Draft Genome Sequence of the Dye-Decolorizing and Nanowire-Producing Bacterium <i>Shewanella xiamenensis</i> BC01. <i>Genome Announcements</i> , 2014 , 2,		4
33	Recent Advances in Photodynamic Therapy against Fungal Keratitis.. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
32	Metabolic manipulation through CRISPRi and gene deletion to enhance cadaverine production in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2020 , 130, 553-562	3.3	4
31	Development and fabrication of disease resistance protein in recombinant <i>Escherichia coli</i> . <i>Bioresources and Bioprocessing</i> , 2020 , 7,	5.2	3
30	CRISPRi-mediated programming essential gene can as a Direct Enzymatic Performance Evaluation & Determination (DEPEND) system. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 2842-2851	4.9	3
29	High-level production and extraction of C-phycoerythrin from cyanobacteria <i>Synechococcus</i> sp. PCC7002 for antioxidation, antibacterial and lead adsorption. <i>Environmental Research</i> , 2021 , 206, 112283	7.9	3
28	Plasmid-Free System and Modular Design for Efficient 5-Aminolevulinic Acid Production by Engineered <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 2858-2871	3.2	3
27	Enhanced recombinant Sulfurylase activity and thermostability by chaperone GroEL for carbon dioxide biomineralization. <i>Chemosphere</i> , 2021 , 271, 128461	8.4	3
26	Migration of glutamate decarboxylase by cold treatment on whole-cell biocatalyst triggered activity for 4-aminobutyric acid production in engineering <i>Escherichia coli</i> . <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 113-119	7.9	3
25	Insights into copper effect on <i>Proteus hauseri</i> through proteomic and metabolic analyses. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 178-85	3.3	2
24	Antigen-43-mediated surface display revealed in <i>Escherichia coli</i> by different fusion sites and proteins. <i>Bioresources and Bioprocessing</i> , 2019 , 6,	5.2	2
23	Draft Genome Sequence of the Bioelectricity-Generating and Dye-Decolorizing Bacterium <i>Proteus hauseri</i> Strain ZMd44. <i>Genome Announcements</i> , 2014 , 2,		2
22	Codon optimization of 1,3-propanediol oxidoreductase expression in <i>Escherichia coli</i> and enzymatic properties. <i>Electronic Journal of Biotechnology</i> , 2011 , 14,	3.1	2
21	Challenges and opportunities of bioprocessing 5-aminolevulinic acid using genetic and metabolic engineering: a critical review. <i>Bioresources and Bioprocessing</i> , 2021 , 8,	5.2	2
20	Sustainable production of 4-aminobutyric acid (GABA) and cultivation of <i>Chlorella sorokiniana</i> and <i>Chlorella vulgaris</i> as circular economy. <i>Bioresource Technology</i> , 2022 , 343, 126089	11	2
19	New insight into the codon usage and medium optimization toward stable and high-level 5-aminolevulinic acid production in <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2021 , 108259	4.2	2
18	CRISPRi-Mediated NIMPLY Logic Gate for Fine-Tuning the Whole-Cell Sensing toward Simple Urine Glucose Detection. <i>ACS Synthetic Biology</i> , 2021 , 10, 412-421	5.7	2

17	Simultaneous release of recombinant cellulases introduced by coexpressing colicin E7 lysis in <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2016 , 21, 491-501	3.1	1
16	Identification of Gold Sensing Peptide by Integrative Proteomics and a Bacterial Two-Component System. <i>Frontiers in Chemistry</i> , 2017 , 5, 127	5	1
15	Novel Cellulase Screening and Optimal Production from the Wood Decaying Xylariaceae: <i>Daldinia</i> Species. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 1	3.2	1
14	Low-Carbon-Footprint Production of High-End 5-Aminolevulinic Acid via Integrative Strain Engineering and RuBisCo-Equipped <i>Escherichia coli</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 15623-15633	8.3	1
13	Optimization of three-phase fluidized bed cell disruptor for the release of alcohol dehydrogenase from baker's yeast. <i>Chemical Engineering Journal</i> , 2020 , 386, 121224	14.7	1
12	Succinic acid fermentation with immobilized <i>Actinobacillus succinogenes</i> using hydrolysate of carbohydrate-rich microalgal biomass. <i>Bioresource Technology</i> , 2021 , 342, 126014	11	1
11	Tailoring Genetic Elements of the Plasmid-Driven T7 System for Stable and Robust One-Step Cloning and Protein Expression in Broad. <i>ACS Synthetic Biology</i> , 2021 , 10, 2753-2762	5.7	1
10	Production, isolation and characterization of C-phycocyanin from a new halo-tolerant <i>Cyanobacterium aponinum</i> using seawater. <i>Bioresource Technology</i> , 2021 , 342, 125946	11	1
9	Enhanced carbon capture and utilization (CCU) using heterologous carbonic anhydrase in <i>Chlamydomonas reinhardtii</i> for lutein and lipid production.. <i>Bioresource Technology</i> , 2022 , 351, 127009	11	1
8	Cooperation of phytoene synthase, pyridoxal kinase and carbonic anhydrase for enhancing carotenoids biosynthesis in genetic <i>Chlamydomonas reinhardtii</i> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 104184	5.3	1
7	CRISPRa/i with Adaptive Single Guide Assisted Regulation DNA (ASGARD) mediated control of <i>Chlorella sorokiniana</i> to enhance lipid and protein production. <i>Biotechnology Journal</i> , 2021 , e2100514	5.6	0
6	Molecular mechanism of arachidonic acid biosynthesis in <i>Porphyridium purpureum</i> promoted by nitrogen limitation. <i>Bioprocess and Biosystems Engineering</i> , 2021 , 44, 1491-1499	3.7	0
5	Towards high-level protein, beta-carotene, and lutein production from <i>Chlorella sorokiniana</i> using aminobutyric acid and pseudo seawater. <i>Biochemical Engineering Journal</i> , 2022 , 184, 108473	4.2	0
4	Effective whole cell biotransformation of arginine to a four-carbon diamine putrescine using engineered <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2022 , 108502	4.2	0
3	Impact of pH regulation on multicopper oxidase production and swarming motility in the bacterium <i>Proteus hauseri</i> ZM44. <i>Biotechnology and Applied Biochemistry</i> , 2018 , 65, 212-219	2.8	
2	Precise measurement of decarboxylase and applied cascade enzyme for simultaneous cadaverine production with carbon dioxide recovery. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 104188	5.3	
1	Equipped C1 chemical assimilation pathway in engineering <i>Escherichia coli</i> 2022 , 69-84		