

I-Son Ng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7975463/publications.pdf>

Version: 2024-02-01

128
papers

3,732
citations

117453

34
h-index

168136

53
g-index

132
all docs

132
docs citations

132
times ranked

3500
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Developments on Genetic Engineering of Microalgae for Biofuels and Bio-Based Chemicals. <i>Biotechnology Journal</i> , 2017, 12, 1600644.	1.8	162
2	CRISPRi mediated phosphoenolpyruvate carboxylase regulation to enhance the production of lipid in <i>Chlamydomonas reinhardtii</i> . <i>Bioresource Technology</i> , 2017, 245, 1527-1537.	4.8	156
3	Antibacterial activity of quaternized chitosan modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 569-577.	3.6	125
4	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, 435-444.	4.8	124
5	Genetic engineering of microalgae for enhanced biorefinery capabilities. <i>Biotechnology Advances</i> , 2020, 43, 107554.	6.0	117
6	Autotrophic cultivation of <i>Spirulina platensis</i> for CO ₂ fixation and phycocyanin production. <i>Chemical Engineering Journal</i> , 2012, 183, 192-197.	6.6	97
7	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.	4.8	95
8	High-level production of a thermoacidophilic Î ² -glucosidase from <i>Penicillium citrinum</i> YS40-5 by solid-state fermentation with rice bran. <i>Bioresource Technology</i> , 2010, 101, 1310-1317.	4.8	90
9	Enhanced integration of large DNA into <i>E. coli</i> chromosome by CRISPR/Cas9. <i>Biotechnology and Bioengineering</i> , 2017, 114, 172-183.	1.7	87
10	Challenges and opportunity of recent genome editing and multi-omics in cyanobacteria and microalgae for biorefinery. <i>Bioresource Technology</i> , 2019, 291, 121932.	4.8	74
11	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.	4.8	71
12	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, 425-435.	0.9	68
13	Three-dimensional CFD-PBM coupled model of the temperature fields in fluidized-bed polymerization reactors. <i>AIChE Journal</i> , 2011, 57, 3351-3366.	1.8	68
14	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.	2.7	68
15	The prospective and potential of carbonic anhydrase for carbon dioxide sequestration: A critical review. <i>Process Biochemistry</i> , 2019, 87, 55-65.	1.8	64
16	A Critical Review of Genome Editing and Synthetic Biology Applications in Metabolic Engineering of Microalgae and Cyanobacteria. <i>Biotechnology Journal</i> , 2020, 15, e1900228.	1.8	62
17	Flotation: A promising microalgae harvesting and dewatering technology for biofuels production. <i>Biotechnology Journal</i> , 2016, 11, 315-326.	1.8	61
18	Biorefining of protein waste for production of sustainable fuels and chemicals. <i>Biotechnology for Biofuels</i> , 2018, 11, 256.	6.2	58

#	ARTICLE	IF	CITATIONS
19	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.	1.8	56
20	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, 2297-2308.	1.7	55
21	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.	4.8	55
22	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.	1.1	53
23	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.	1.6	53
24	Dynamic synergistic effect on <i>Trichoderma reesei</i> cellulases by novel β -glucosidases from Taiwanese fungi. <i>Bioresource Technology</i> , 2011, 102, 6073-6081.	4.8	47
25	Understanding interactive characteristics of bioelectricity generation and reductive decolorization using <i>Proteus hauseri</i> . <i>Bioresource Technology</i> , 2011, 102, 1159-1165.	4.8	46
26	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.	4.8	46
27	Expression of Synthetic Phytoene Synthase Gene to Enhance β -Carotene Production in <i>Scenedesmus</i> sp. CPC2. <i>Biotechnology Journal</i> , 2017, 12, 1700204.	1.8	45
28	New Insight into Plasmid-Driven T7 RNA Polymerase in <i>Escherichia coli</i> and Use as a Genetic Amplifier for a Biosensor. <i>ACS Synthetic Biology</i> , 2020, 9, 613-622.	1.9	44
29	Pyrosequencing Reveals a Core Community of Anodic Bacterial Biofilms in Bioelectrochemical Systems from China. <i>Frontiers in Microbiology</i> , 2015, 6, 1410.	1.5	40
30	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.	1.8	40
31	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.	2.7	39
32	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, 415-423.	1.7	38
33	Deciphering mediating characteristics of decolorized intermediates for reductive decolorization and bioelectricity generation. <i>Bioresource Technology</i> , 2013, 145, 321-325.	4.8	37
34	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.	3.6	37
35	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.	2.7	35
36	Antibacterial efficacy of chitosan- and poly(hexamethylene biguanide)-immobilized nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 844-854.	3.6	35

#	ARTICLE	IF	CITATIONS
37	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.	4.8	34
38	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.	1.8	34
39	Towards protein production and application by using <i>Chlorella</i> species as circular economy. <i>Bioresource Technology</i> , 2019, 289, 121625.	4.8	32
40	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, 1424-1428.	1.1	31
41	Electron transport phenomena of electroactive bacteria in microbial fuel cells: a review of <i>Proteus hauseri</i> . <i>Bioresources and Bioprocessing</i> , 2017, 4, .	2.0	31
42	Efficient carbon dioxide sequestration by using recombinant carbonic anhydrase. <i>Process Biochemistry</i> , 2018, 73, 38-46.	1.8	31
43	Genetic design of co-expressed <i>Mesorhizobium loti</i> carbonic anhydrase and chaperone GroELs to enhancing carbon dioxide sequestration. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 326-334.	3.6	31
44	Deciphering simultaneous bioelectricity generation and dye decolorization using <i>Proteus hauseri</i> . <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 502-507.	1.1	30
45	Fabrication of bio-based polyamide 56 and antibacterial nanofiber membrane from cadaverine. <i>Chemosphere</i> , 2021, 266, 128967.	4.2	30
46	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.	1.8	26
47	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.	4.8	26
48	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, 106-113.	1.7	24
49	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.	1.8	24
50	Enhanced 5-Aminolevulinic Acid Production by Co-expression of Codon-Optimized hemA Gene with Chaperone in Genetic Engineered <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 299-312.	1.4	24
51	Effective purification of lysozyme from chicken egg white by tris(hydroxymethyl)aminomethane affinity nanofiber membrane. <i>Food Chemistry</i> , 2020, 327, 127038.	4.2	23
52	Exploring new strains of dye-decolorizing bacteria. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 508-514.	1.1	22
53	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.	2.7	21
54	Crosslinked on novel nanofibers with thermophilic carbonic anhydrase for carbon dioxide sequestration. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 930-938.	3.6	21

#	ARTICLE	IF	CITATIONS
55	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.	2.7	21
56	Copper ion-stimulated McoA-laccase production and enzyme characterization in <i>Proteus hauseri</i> ZMd44. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 388-393.	1.1	20
57	Enhancing beta-carotene biosynthesis and gene transcriptional regulation in <i>Blakeslea trispora</i> with sodium acetate. <i>Biochemical Engineering Journal</i> , 2016, 114, 10-17.	1.8	20
58	5-Aminolevulinic acid promotes arachidonic acid biosynthesis in the red microalga <i>Porphyridium purpureum</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 168.	6.2	20
59	High-level L-lysine bioconversion into cadaverine with enhanced productivity using engineered <i>Escherichia coli</i> whole-cell biocatalyst. <i>Biochemical Engineering Journal</i> , 2020, 157, 107547.	1.8	20
60	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.	1.6	20
61	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, .	2.0	20
62	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.	4.6	19
63	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.	1.7	18
64	Design and optimization of bioreactor to boost carbon dioxide assimilation in RuBisCo-equipped <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2020, 314, 123785.	4.8	18
65	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.	2.7	18
66	Biofabrication of gold nanoparticles by <i>Shewanella</i> species. <i>Bioresources and Bioprocessing</i> , 2017, 4, .	2.0	17
67	ARduino-pH Tracker and screening platform for characterization of recombinant carbonic anhydrase in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2019, 35, e2834.	1.3	17
68	Enhancement of C-phycoerythrin purity using negative chromatography with chitosan-modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 615-628.	3.6	17
69	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, .	2.0	17
70	Recent Advances in Photodynamic Therapy against Fungal Keratitis. <i>Pharmaceutics</i> , 2021, 13, 2011.	2.0	17
71	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.	3.6	16
72	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, 2223-2235.	1.4	15

#	ARTICLE	IF	CITATIONS
73	Mechanism study of photo-induced gold nanoparticles formation by <i>Shewanella oneidensis</i> MR-1. <i>Scientific Reports</i> , 2019, 9, 7589.	1.6	15
74	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.	4.8	15
75	Whole-cell biocatalyst of recombinant tyrosine ammonia lyase with fusion protein and integrative chaperone in <i>Escherichia coli</i> for high-level p-Coumaric acid production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 128, 64-72.	2.7	15
76	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.	1.1	14
77	Challenges and opportunities of bioprocessing 5-aminolevulinic acid using genetic and metabolic engineering: a critical review. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	14
78	Lipase-catalyzed dynamic hydrolytic resolution of (R,S)-2,2,2-trifluoroethyl $\hat{\pm}$ -chlorophenyl acetate in water-saturated isooctane. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1715-1721.	1.6	13
79	Exploring metal effects and synergistic interactions of ferric stimulation on azo-dye decolorization by new indigenous <i>Acinetobacter guillouiae</i> Ax-9 and <i>Rahnella aquatilis</i> DX2b. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 217-224.	1.7	13
80	Orthogonal array deciphering MRS medium requirements for isolated <i>Lactobacillus rhamnosus</i> ZY with cell properties characterization. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 298-304.	1.1	13
81	Direct proteomic mapping of <i>Streptomyces roseosporus</i> NRRL 11379 with precursor and insights into daptomycin biosynthesis. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 591-597.	1.1	13
82	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> , 2022, 177, 108259.	1.8	13
83	Investigation of lipases from various <i>Carica papaya</i> 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.	1.8	12
84	Cultural optimization and metal effects of <i>Shewanella xiamenensis</i> BC01 growth and swarming motility. <i>Bioresources and Bioprocessing</i> , 2015, 2, .	2.0	12
85	Enzymatic exploration of catalase from a nanoparticle producing and biodecolorizing algae <i>Shewanella xiamenensis</i> BC01. <i>Bioresource Technology</i> , 2015, 184, 429-435.	4.8	12
86	Facilitating the enzymatic conversion of lysineto cadaverine in engineered <i>Escherichia coli</i> with metabolic regulation by genes deletion. <i>Biochemical Engineering Journal</i> , 2020, 156, 107514.	1.8	12
87	Cloning and expression of Cel8A from <i>Klebsiella pneumoniae</i> in <i>Escherichia coli</i> and comparison to cel gene of <i>Cellulomonas uda</i> . <i>Biochemical Engineering Journal</i> , 2013, 78, 53-58.	1.8	11
88	Copper Response of <i>Proteus hauseri</i> Based on Proteomic and Genetic Expression and Cell Morphology Analyses. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1057-1072.	1.4	11
89	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, .	2.0	11
90	High-level production and extraction of C-phycoyanin from cyanobacteria <i>Synechococcus</i> sp. PCC7002 for antioxidation, antibacterial and lead adsorption. <i>Environmental Research</i> , 2022, 206, 112283.	3.7	11

#	ARTICLE	IF	CITATIONS
91	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.	4.8	11
92	Proteomics approach to decipher novel genes and enzymes characterization of a bioelectricity-generating and dye-decolorizing bacterium <i>Proteus hauseri</i> ZMd44. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 8-17.	1.4	10
93	Simple, effective protein extraction method and proteomics analysis from polyunsaturated fatty acids-producing micro-organisms. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 2331-2341.	1.7	10
94	Turn on the Mtr pathway genes under pLacI promoter in <i>Shewanella oneidensis</i> MR-1. <i>Bioresources and Bioprocessing</i> , 2018, 5, .	2.0	10
95	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.	1.1	10
96	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.	1.4	10
97	Succinic acid fermentation with immobilized <i>Actinobacillus succinogenes</i> using hydrolysate of carbohydrate-rich microalgal biomass. <i>Bioresource Technology</i> , 2021, 342, 126014.	4.8	10
98	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.	3.2	10
99	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> , 2022, 17, e2100514.	1.8	10
100	<i>Trichoderma reesei</i> Cellulase Complex in Hydrolysis of Agricultural Waste of Grapefruit Peel and Orange Peel. <i>BioResources</i> , 2014, 9, .	0.5	9
101	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.	1.4	9
102	Tailoring Genetic Elements of the Plasmid-Driven T7 System for Stable and Robust One-Step Cloning and Protein Expression in Broad <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 2753-2762.	1.9	9
103	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.	2.7	8
104	Enhanced recombinant Sulfurihydrogenibium yellowstonense carbonic anhydrase activity and thermostability by chaperone GroELS for carbon dioxide biomineralization. <i>Chemosphere</i> , 2021, 271, 128461.	4.2	8
105	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.	1.9	8
106	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.	2.7	7
107	Antigen-43-mediated surface display revealed in <i>Escherichia coli</i> by different fusion sites and proteins. <i>Bioresources and Bioprocessing</i> , 2019, 6, .	2.0	7
108	Production, isolation and characterization of C-phycoyanin from a new halo-tolerant Cyanobacterium <i>apoinum</i> using seawater. <i>Bioresource Technology</i> , 2021, 342, 125946.	4.8	7

#	ARTICLE	IF	CITATIONS
109	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> , 2022, 137, 104184.	2.7	7
110	Effective whole cell biotransformation of arginine to a four-carbon diamine putrescine using engineered <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2022, 185, 108502.	1.8	7
111	Draft Genome Sequence of the Dye-Decolorizing and Nanowire-Producing Bacterium <i>Shewanella xiamenensis</i> BC01. <i>Genome Announcements</i> , 2014, 2, .	0.8	6
112	Tailoring key enzymes for renewable and high-level itaconic acid production using genetic <i>Escherichia coli</i> via whole-cell bioconversion. <i>Enzyme and Microbial Technology</i> , 2022, 160, 110087.	1.6	6
113	Codon optimization of 1,3-propanediol oxidoreductase expression in <i>Escherichia coli</i> and enzymatic properties. <i>Electronic Journal of Biotechnology</i> , 2011, 14, .	1.2	5
114	CRISPRi-mediated programming essential gene can as a Direct Enzymatic Performance Evaluation & Determination (DEPEND) system. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2842-2851.	1.7	5
115	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.	1.8	5
116	Purification and biofabrication of 5-aminolevulinic acid for photodynamic therapy against pathogens and cancer cells. <i>Bioresources and Bioprocessing</i> , 2022, 9, .	2.0	4
117	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.	1.4	3
118	Insights into copper effect on <i>Proteus hauseri</i> through proteomic and metabolic analyses. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 178-185.	1.1	3
119	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.	6.6	3
120	Development and fabrication of disease resistance protein in recombinant <i>Escherichia coli</i> . <i>Bioresources and Bioprocessing</i> , 2020, 7, .	2.0	3
121	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.	1.7	3
122	Novel Cellulase Screening and Optimal Production from the Wood Decaying Xylariaceae: <i>Daldinia</i> Species. <i>Applied Biochemistry and Biotechnology</i> , 2010, , 1.	1.4	2
123	Draft Genome Sequence of the Bioelectricity-Generating and Dye-Decolorizing Bacterium <i>Proteus hauseri</i> Strain ZMd44. <i>Genome Announcements</i> , 2014, 2, .	0.8	2
124	Identification of Gold Sensing Peptide by Integrative Proteomics and a Bacterial Two-Component System. <i>Frontiers in Chemistry</i> , 2017, 5, 127.	1.8	1
125	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.	2.7	1
126	Expression and non-chromatographic purification of 1,3-propanediol oxidoreductase in <i>Escherichia coli</i> . <i>Electronic Journal of Biotechnology</i> , 2011, 14, .	1.2	0

#	ARTICLE	IF	CITATIONS
127	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.	1.4	0
128	Equipped C1 chemical assimilation pathway in engineering <i>Escherichia coli</i> . , 2022, , 69-84.		0