Ming-Hua Liang

List of Publications by Citations

36 papers	608 citations	11 h-index	24 g-index
39 ext. papers	819 ext. citations	5.5 avg, IF	4.68 L-index

#	Paper	IF	Citations
36	Advancing oleaginous microorganisms to produce lipid via metabolic engineering technology. *Progress in Lipid Research*, **2013**, 52, 395-408	14.3	284
35	High-value bioproducts from microalgae: Strategies and progress. *Critical Reviews in Food Science and Nutrition*, **2019**, 59, 2423-2441	11.5	44
34	Carotenoids biosynthesis and cleavage related genes from bacteria to plants. *Critical Reviews in Food Science and Nutrition*, **2018**, 58, 2314-2333	11.5	40
33	Inhibiting Lycopene Cyclases to Accumulate Lycopene in High β-Carotene-Accumulating Dunaliella bardawil. *Food and Bioprocess Technology*, **2016**, 9, 1002-1009	5.1	23
32	Analysis of carotenogenic genes promoters and WRKY transcription factors in response to salt stress in Dunaliella bardawil. *Scientific Reports*, **2017**, 7, 37025	4.9	22
31	Transcriptomic insights into the heat stress response of Dunaliella bardawil. *Enzyme and Microbial Technology*, **2020**, 132, 109436	3.8	16
30	Effects of Salt Concentrations and Nitrogen and Phosphorus Starvations on Neutral Lipid Contents in the Green Microalga Dunaliella tertiolecta. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 3190-3197	5.7	15
29	The salt-regulated element in the promoter of lycopene ε-cyclase gene confers a salt regulatory pattern in carotenogenesis of Dunaliella bardawil. *Environmental Microbiology*, **2017**, 19, 982-989	5.2	15
28	Two-Stage Cultivation of Dunaliella tertiolecta with Glycerol and Triethylamine for Lipid Accumulation: a Viable Way To Alleviate the Inhibitory Effect of Triethylamine on Biomass. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	14
27	Characterization and Functional Identification of a Gene Encoding Geranylgeranyl Diphosphate Synthase from Dunaliella bardawil. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 7805-12	5.7	13
26	Characterization and expression of AMP-forming Acetyl-CoA Synthetase from Dunaliella tertiolecta and its response to nitrogen starvation stress. *Scientific Reports*, **2016**, 6, 23445	4.9	12
25	Sodium azide intervention, salinity stress and two-step cultivation of Dunaliella tertiolecta for lipid accumulation. *Enzyme and Microbial Technology*, **2019**, 127, 1-5	3.8	11
24	Functional Identification of Two Types of Carotene Hydroxylases from the Green Alga Rich in Lutein. *ACS Synthetic Biology*, **2020**, 9, 1246-1253	5.7	10
23	Preparation of yogurt-flavored bases by mixed lactic acid bacteria with the addition of lipase. *LWT - Food Science and Technology*, **2020**, 131, 109577	5.4	10
22	Reduction of methanol in brewed wine by the use of atmospheric and room-temperature plasma method and the combination optimization of malt with different adjuncts. *Journal of Food Science*, **2014**, 79, M2308-14	3.4	10
21	The bifunctional identification of both lycopene β and ε cyclases from the lutein-rich Dunaliella bardawil. *Enzyme and Microbial Technology*, **2019**, 131, 109426	3.8	9
20	Transgenic microalgae as bioreactors. *Critical Reviews in Food Science and Nutrition*, **2020**, 60, 3195-3213	11.5	9

19	Induction of carotenoid cleavage by salt stress and the effect of their products on cell growth and pigment accumulation in Dunaliella sp. FACHB-847. *Algal Research*, **2020**, 48, 101901	5	6
18	Effect of different lactic acid bacteria on nitrite degradation, volatile profiles, and sensory quality in Chinese traditional paocai. *LWT - Food Science and Technology*, **2021**, 147, 111597	5.4	6
17	Effect of microencapsulation on morphology, physicochemical properties and flavour profiles of solid yoghurt-flavoured bases. *International Journal of Food Science and Technology*, **2021**, 56, 2565-2578	3.8	6
16	Regulation of carotenoid degradation and production of apocarotenoids in natural and engineered organisms. *Critical Reviews in Biotechnology*, **2021**, 41, 513-534	9.4	5
15	Construction, expression and characterization of a fusion protein HBscFv-IFN□in Komagatella (Pichia) pastoris X33. *Enzyme and Microbial Technology*, **2017**, 102, 74-81	3.8	4
14	Whole genome sequencing of Lactobacillus plantarum DMDL 9010 and its effect on growth phenotype under nitrite stress. *LWT - Food Science and Technology*, **2021**, 149, 111778	5.4	4
13	Comparison of six ester components in nitrocellulose lacquer thinner from the aspects of dissolution rates, explosion characteristics and environmental influence. *Progress in Organic Coatings*, **2020**, 139, 105426	4.8	3
12	Isolation, expression, and biochemical characterization: nitrite reductase from LJ01.. *RSC Advances*, **2020**, 10, 37871-37882	3.7	3
11	Effects of triethylamine on the expression patterns of two G3PDHs and lipid accumulation in Dunaliella tertiolecta. *Enzyme and Microbial Technology*, **2019**, 127, 17-21	3.8	2
10	Mutation breeding of Saccharomyces cerevisiae with lower methanol content and the effects of pectinase, cellulase and glycine in sugar cane spirits. *Journal of the Science of Food and Agriculture*, **2015**, 95, 1949-55	4.3	2
9	Intervention of triethylamine on Dunaliella tertiolecta reveals metabolic insights into triacylglycerol accumulation. *Algal Research*, **2020**, 47, 101876	5	2
8	Using EGFP as a reporter to confirm the function of phytoene desaturase promoter in Duanliella bardawil. *Algal Research*, **2016**, 20, 16-21	5	2
7	Detection of nitrite degradation by Lactobacillus plantarum DMDL9010 through the anaerobic respiration electron transport chain using proteomic analysis. *International Journal of Food Science and Technology*, **2021**, 56, 1608-1622	3.8	2
6	Analysis of the probiotic characteristics and adaptability of Lactiplantibacillus plantarum DMDL 9010 to gastrointestinal environment by complete genome sequencing and corresponding phenotypes. *LWT - Food Science and Technology*, **2022**, 158, 113129	5.4	1
5	Structural characterization of a novel Fr. polysaccharide and its immunity activity in BALB/c mice.. *RSC Advances*, **2020**, 10, 30254-30264	3.7	1
4	Characterization and nitrogen deficiency response of ATP-citrate lyase from unicellular alga Dunaliella tertiolecta. *Algal Research*, **2016**, 20, 77-86	5	1
3	Creatinine combined with light increases the contents of lutein and □carotene, the main carotenoids of Dunaliella bardawil. *Enzyme and Microbial Technology*, **2021**, 151, 109913	3.8	1
2	Quantitative proteomic analysis reveals the metabolic characteristics and adaptive mechanism of Cupriavidus oxalaticus T2 in the process of simultaneous nitrogen and phenol removal. *Journal of Proteomics*, **2022**, 251, 104426	3.9	

1 The salt-regulated element in the promoter of lycopene ε-cyclase gene confers a salt regulatory pattern in carotenogenesis of Dunaliella bardawil. *Environmental Microbiology Reports*, **2016**, 19, 982 3-7