

# Gu Chen

## List of Publications by Citations

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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.

48  
papers

2,151  
citations

24  
h-index

46  
g-index

51  
ext. papers

2,441  
ext. citations

5.8  
avg, IF

4.91  
L-index

#	Paper	IF	Citations
48	Biodiesel production by microalgal biotechnology. <i>Applied Energy</i> , <b>2010</b> , 87, 38-46	10.7	768
47	Rapid screening method for lipid production in alga based on Nile red fluorescence. <i>Biomass and Bioenergy</i> , <b>2009</b> , 33, 1386-1392	5.3	106
46	EGY1 encodes a membrane-associated and ATP-independent metalloprotease that is required for chloroplast development. <i>Plant Journal</i> , <b>2005</b> , 41, 364-75	6.9	105
45	Effects of cassava starch hydrolysate on cell growth and lipid accumulation of the heterotrophic microalgae <i>Chlorella protothecoides</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2009</b> , 36, 1383-9	4.3	83
44	Nutraceuticals and functional foods in the management of hyperlipidemia. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2014</b> , 54, 1180-201	11.5	76
43	Meta-omics insights in the microbial community profiling and functional characterization of fermented foods. <i>Trends in Food Science and Technology</i> , <b>2017</b> , 65, 23-31	15.3	59
42	Enhanced production of lutein in heterotrophic <i>Chlorella protothecoides</i> by oxidative stress. <i>Science in China Series C: Life Sciences</i> , <b>2008</b> , 51, 1088-93		54
41	Comparison of phytochemical profiles and health benefits in fiber and oil flaxseeds ( <i>Linum usitatissimum</i> L.). <i>Food Chemistry</i> , <b>2017</b> , 214, 227-233	8.5	52
40	Novel omics technologies in nutrition research. <i>Biotechnology Advances</i> , <b>2008</b> , 26, 169-76	17.8	52
39	Effect of germination on lignan biosynthesis, and antioxidant and antiproliferative activities in flaxseed ( <i>Linum usitatissimum</i> L.). <i>Food Chemistry</i> , <b>2016</b> , 205, 170-7	8.5	51
38	Phytochemical profiles and antioxidant activity of different varieties of Adinandra Tea ( <i>Adinandra Jack</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 169-76	5.7	50
37	Current applications and new opportunities for the thermal and non-thermal processing technologies to generate berry product or extracts with high nutraceutical contents. <i>Food Research International</i> , <b>2017</b> , 100, 19-30	7	49
36	Molecular characterization of CO sequestration and assimilation in microalgae and its biotechnological applications. <i>Bioresource Technology</i> , <b>2017</b> , 244, 1207-1215	11	44
35	Simultaneous detection of human enterovirus 71 and coxsackievirus A16 in clinical specimens by multiplex real-time PCR with an internal amplification control. <i>Archives of Virology</i> , <b>2009</b> , 154, 121-5	2.6	44
34	EGY1 plays a role in regulation of endodermal plastid size and number that are involved in ethylene-dependent gravitropism of light-grown <i>Arabidopsis hypocotyls</i> . <i>Plant Molecular Biology</i> , <b>2008</b> , 66, 345-60	4.6	40
33	New insights into S2P signaling cascades: regulation, variation, and conservation. <i>Protein Science</i> , <b>2010</b> , 19, 2015-30	6.3	37
32	Influence of the stage of ripeness on the phytochemical profiles, antioxidant and antiproliferative activities in different parts of <i>Citrus reticulata</i> Blanco cv. Chachiensis. <i>LWT - Food Science and Technology</i> , <b>2016</b> , 69, 67-75	5.4	34

31	Transcriptome analysis reveals global regulation in response to CO <sub>2</sub> supplementation in oleaginous microalga <i>Coccomyxa subellipsoidea</i> C-169. <i>Biotechnology for Biofuels</i> , <b>2016</b> , 9, 151	7.8	34
30	Preparation and Characterization of Microemulsions of Myricetin for Improving Its Antiproliferative and Antioxidative Activities and Oral Bioavailability. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 6286-94	5.7	31
29	Effect of germination on vitamin C, phenolic compounds and antioxidant activity in flaxseed ( <i>Linum usitatissimum</i> L.). <i>International Journal of Food Science and Technology</i> , <b>2015</b> , 50, 2545-2553	3.8	31
28	The novel contributors of anti-diabetic potential in mulberry polyphenols revealed by UHPLC-HR-ESI-TOF-MS/MS. <i>Food Research International</i> , <b>2017</b> , 100, 873-884	7	27
27	Molecular characterization of <i>Lactobacillus plantarum</i> DMDL 9010, a strain with efficient nitrite degradation capacity. <i>PLoS ONE</i> , <b>2014</b> , 9, e113792	3.7	27
26	Pathogenic features and characteristics of food borne pathogens biofilm: Biomass, viability and matrix. <i>Microbial Pathogenesis</i> , <b>2017</b> , 111, 285-291	3.8	25
25	High yields of fatty acid and neutral lipid production from cassava bagasse hydrolysate (CBH) by heterotrophic <i>Chlorella protothecoides</i> . <i>Bioresource Technology</i> , <b>2015</b> , 191, 281-90	11	24
24	Algal lectins for potential prevention of HIV transmission. <i>Current Medicinal Chemistry</i> , <b>2008</b> , 15, 1096-1043	4.3	22
23	Hypolipidemic activity of okra is mediated through inhibition of lipogenesis and upregulation of cholesterol degradation. <i>Phytotherapy Research</i> , <b>2014</b> , 28, 268-73	6.7	21
22	EMPLOYMENT OF ORGANIC ACIDS TO ENHANCE ASTAXANTHIN FORMATION IN HETEROTROPHIC <i>CHLORELLA ZOFINGIENSIS</i> . <i>Journal of Food Processing and Preservation</i> , <b>2009</b> , 33, 271-284	2.1	21
21	Global Metabolic Regulation of the Snow Alga <i>Chlamydomonas nivalis</i> in Response to Nitrate or Phosphate Deprivation by a Metabolome Profile Analysis. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	21
20	Rapid detection of a highly virulent Chinese-type isolate of Porcine Reproductive and Respiratory Syndrome Virus by real-time reverse transcriptase PCR. <i>Journal of Virological Methods</i> , <b>2008</b> , 149, 49-55	2.6	19
19	Regulation of carbon metabolic fluxes in response to CO <sub>2</sub> supplementation in phototrophic <i>Chlorella vulgaris</i> : a cytomic and biochemical study. <i>Journal of Applied Phycology</i> , <b>2016</b> , 28, 737-745	3.2	16
18	EGY2, a chloroplast membrane metalloprotease, plays a role in hypocotyl elongation in <i>Arabidopsis</i> . <i>Molecular Biology Reports</i> , <b>2012</b> , 39, 2147-55	2.8	16
17	Simultaneous detection of enterovirus 70 and coxsackievirus A24 variant by multiplex real-time RT-PCR using an internal control. <i>Journal of Virological Methods</i> , <b>2009</b> , 159, 23-8	2.6	14
16	Slr0643, an S2P homologue, is essential for acid acclimation in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Microbiology (United Kingdom)</i> , <b>2012</b> , 158, 2765-2780	2.9	14
15	Application of 3' untranslated region (UTR) sequence-based amplified polymorphism analysis in the rapid authentication of <i>Radix astragali</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 8551-6	5.7	12
14	Cloning, expression and purification of <i>Microcystis viridis</i> lectin in <i>Escherichia coli</i> . <i>Molecular Biotechnology</i> , <b>2011</b> , 47, 105-10	3	10

13	Effects of aging on the phytochemical profile and antioxidative activity of Pericarpium Citri Reticulatae 'Chachiensis'. <i>RSC Advances</i> , <b>2016</b> , 6, 105272-105281	3.7	8
12	Metabolic engineering of a robust Escherichia coli strain with a dual protection system. <i>Biotechnology and Bioengineering</i> , <b>2019</b> , 116, 3333-3348	4.9	8
11	Proteomic analysis of apoptosis induction in human lung cancer cells by recombinant MVL. <i>Amino Acids</i> , <b>2011</b> , 41, 923-32	3.5	8
10	Identification of Specific Variations in a Non-Motile Strain of Cyanobacterium Synechocystis sp. PCC 6803 Originated from ATCC 27184 by Whole Genome Resequencing. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 24081-93	6.3	7
9	Comparison of Effect of Gear Juicer and Colloid Mill on Microstructure, Polyphenols Profile, and Bioactivities of Mulberry (Morus indica L.). <i>Food and Bioprocess Technology</i> , <b>2016</b> , 9, 1233-1245	5.1	6
8	Analysis of solvent effects on polyphenols profile, antiproliferative and antioxidant activities of mulberry (Morus alba L.) extracts. <i>International Journal of Food Science and Technology</i> , <b>2017</b> , 52, 1690-1698	6.8	5
7	The central bacterial community in Pericarpium Citri Reticulatae 'Chachiensis'. <i>Food Research International</i> , <b>2019</b> , 125, 108624	7	5
6	Identification and Characterization of MiRNAs in C-169. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	4
5	Sll0528, a Site-2-Protease, Is Critically Involved in Cold, Salt and Hyperosmotic Stress Acclimation of Cyanobacterium Synechocystis sp. PCC 6803. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 22678-22693	6.3	4
4	Identification of monoamine oxidases inhibitory peptides from soybean protein hydrolysate through ultrafiltration purification and in silico studies. <i>Food Bioscience</i> , <b>2021</b> , 44, 101355	4.9	2
3	The reversed terminator of octopine synthase gene on the Agrobacterium Ti plasmid has a weak promoter activity in prokaryotes. <i>Molecular Biology Reports</i> , <b>2010</b> , 37, 2157-62	2.8	1
2	Probiotic Potential and Cholesterol-Lowering Capabilities of Bacterial Strains Isolated from 'Chachiensis'. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	1
1	Metabolomic insights into the inhibition mechanism of methyl N-methylantranilate: A novel quorum sensing inhibitor and antibiofilm agent against Pseudomonas aeruginosa. <i>International Journal of Food Microbiology</i> , <b>2021</b> , 358, 109402	5.8	0