

# Gu Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3459227/publications.pdf>

Version: 2024-02-01

49  
papers

2,713  
citations

218592

26  
h-index

189801

50  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3782  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Biodiesel production by microalgal biotechnology. <i>Applied Energy</i> , 2010, 87, 38-46.  | 5.1 | 889       |
| 2  | <i>EGY1</i> encodes a membrane-associated and ATP-independent metalloprotease that is required for chloroplast development. <i>Plant Journal</i> , 2005, 41, 364-375.   | 2.8 | 129       |
| 3  | Rapid screening method for lipid production in alga based on Nile red fluorescence. <i>Biomass and Bioenergy</i> , 2009, 33, 1386-1392.   | 2.9 | 122       |
| 4  | 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> , 2009, 36, 1383-1389.                  | 1.4 | 94        |
| 5  | Nutraceuticals and Functional Foods in the Management of Hyperlipidemia. <i>Critical Reviews in Food Science and Nutrition</i> , 2014, 54, 1180-1201.   | 5.4 | 91        |
| 6  | Meta-omics insights in the microbial community profiling and functional characterization of fermented foods. <i>Trends in Food Science and Technology</i> , 2017, 65, 23-31.  | 7.8 | 91        |
| 7  | Comparison of phytochemical profiles and health benefits in fiber and oil flaxseeds ( <i>Linum</i> )  | 4.2 | 72        |
| 8  | Effect of germination on lignan biosynthesis, and antioxidant and antiproliferative activities in flaxseed ( <i>Linum usitatissimum</i> L.). <i>Food Chemistry</i> , 2016, 205, 170-177.  | 4.2 | 71        |
| 9  | Enhanced production of lutein in heterotrophic <i>Chlorella protothecoides</i> by oxidative stress. <i>Science in China Series C: Life Sciences</i> , 2008, 51, 1088-1093.  | 1.3 | 68        |
| 10 | 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> , 2017, 100, 19-30.                 | 2.9 | 64        |
| 11 | Molecular characterization of CO <sub>2</sub> sequestration and assimilation in microalgae and its biotechnological applications. <i>Bioresource Technology</i> , 2017, 244, 1207-1215.   | 4.8 | 61        |
| 12 | Novel omics technologies in nutrition research. <i>Biotechnology Advances</i> , 2008, 26, 169-176.  | 6.0 | 60        |
| 13 | <i>EGY1</i> 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> , 2008, 66, 345-360.              | 2.0 | 58        |
| 14 | Phytochemical Profiles and Antioxidant Activity of Different Varieties of <i>Adinandra</i> Tea ( <i>Adinandra</i> Jack). <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 169-176.   | 2.4 | 58        |
| 15 | 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> , 2016, 9, 151.                                  | 6.2 | 53        |
| 16 | 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> , 2016, 69, 67-75. | 2.5 | 50        |
| 17 | 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> , 2009, 154, 121-125.                                  | 0.9 | 49        |
| 18 | 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> , 2016, 64, 6286-6294.               | 2.4 | 48        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | New insights into S2P signaling cascades: Regulation, variation, and conservation. <i>Protein Science</i> , 2010, 19, 2015-2030.  | 3.1 | 42        |
| 20 | The novel contributors of anti-diabetic potential in mulberry polyphenols revealed by UHPLC-HR-ESI-TOF-MS/MS. <i>Food Research International</i> , 2017, 100, 873-884.  | 2.9 | 39        |
| 21 | Pathogenic features and characteristics of food borne pathogens biofilm: Biomass, viability and matrix. <i>Microbial Pathogenesis</i> , 2017, 111, 285-291.   | 1.3 | 38        |
| 22 | Molecular Characterization of <i>Lactobacillus plantarum</i> DMDL 9010, a Strain with Efficient Nitrite Degradation Capacity. <i>PLoS ONE</i> , 2014, 9, e113792.   | 1.1 | 37        |
| 23 | Effect of germination on vitamin C, phenolic compounds and antioxidant activity in flaxseed ( <i>Linum</i> ) Tj ETQq1 1,0,784314,rgBT /Ole  | 1.3 | 36        |
| 24 | High yields of fatty acid and neutral lipid production from cassava bagasse hydrolysate (CBH) by heterotrophic <i>Chlorella protothecoides</i> . <i>Bioresource Technology</i> , 2015, 191, 281-290.                            | 4.8 | 32        |
| 25 | EMPLOYMENT OF ORGANIC ACIDS TO ENHANCE ASTAXANTHIN FORMATION IN HETEROTROPHIC <i>CHLORELLA ZOFINGIENSIS</i> . <i>Journal of Food Processing and Preservation</i> , 2009, 33, 271-284.   | 0.9 | 30        |
| 26 | Algal Lectins for Potential Prevention of HIV Transmission. <i>Current Medicinal Chemistry</i> , 2008, 15, 1096-1104.   | 1.2 | 29        |
| 27 | Hypolipidemic Activity of Okra is Mediated Through Inhibition of Lipogenesis and Upregulation of Cholesterol Degradation. <i>Phytotherapy Research</i> , 2014, 28, 268-273.   | 2.8 | 27        |
| 28 | EGY2, a chloroplast membrane metalloprotease, plays a role in hypocotyl elongation in <i>Arabidopsis</i> . <i>Molecular Biology Reports</i> , 2012, 39, 2147-2155.  | 1.0 | 26        |
| 29 | 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> , 2016, 17, 694. | 1.8 | 26        |
| 30 | 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> , 2008, 149, 49-55.              | 1.0 | 21        |
| 31 | Effects of aging on the phytochemical profile and antioxidative activity of <i>Pericarpium Citri Reticulatae</i> "Chachiensis"™. <i>RSC Advances</i> , 2016, 6, 105272-105281.  | 1.7 | 21        |
| 32 | 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> , 2009, 159, 23-28.                                      | 1.0 | 16        |
| 33 | Regulation of carbon metabolic fluxes in response to CO2 supplementation in phototrophic <i>Chlorella vulgaris</i> : a cytomic and biochemical study. <i>Journal of Applied Phycology</i> , 2016, 28, 737-745.                  | 1.5 | 16        |
| 34 | Probiotic Potential and Cholesterol-Lowering Capabilities of Bacterial Strains Isolated from <i>Pericarpium Citri Reticulatae</i> "Chachiensis"™. <i>Microorganisms</i> , 2021, 9, 1224.  | 1.6 | 15        |
| 35 | Slr0643, an S2P homologue, is essential for acid acclimation in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Microbiology (United Kingdom)</i> , 2012, 158, 2765-2780.  | 0.7 | 14        |
| 36 | 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> , 2005, 53, 8551-8556.     | 2.4 | 13        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Metabolic engineering of a robust <i>Escherichia coli</i> strain with a dual protection system. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3333-3348.   | 1.7 | 13        |
| 38 | The central bacterial community in <i>Pericarpium Citri Reticulatae</i> "Chachiensis"™. <i>Food Research International</i> , 2019, 125, 108624.   | 2.9 | 13        |
| 39 | Metabolomic insights into the inhibition mechanism of methyl N-methylantranilate: A novel quorum sensing inhibitor and antibiofilm agent against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Food Microbiology</i> , 2021, 358, 109402. | 2.1 | 12        |
| 40 | Proteomic analysis of apoptosis induction in human lung cancer cells by recombinant MVL. <i>Amino Acids</i> , 2011, 41, 923-932.  | 1.2 | 11        |
| 41 | Cloning, Expression and Purification of <i>Microcystis viridis</i> Lectin in <i>Escherichia coli</i> . <i>Molecular Biotechnology</i> , 2011, 47, 105-110.  | 1.3 | 10        |
| 42 | Identification of Specific Variations in a Non-Motile Strain of <i>Cyanobacterium Synechocystis</i> sp. PCC 6803 Originated from ATCC 27184 by Whole Genome Resequencing. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24081-24093.   | 1.8 | 9         |
| 43 | Comparison of Effect of Gear Juicer and Colloid Mill on Microstructure, Polyphenols Profile, and Bioactivities of Mulberry ( <i>Morus indica</i> L.). <i>Food and Bioprocess Technology</i> , 2016, 9, 1233-1245.                                       | 2.6 | 9         |
| 44 | Identification of monoamine oxidases inhibitory peptides from soybean protein hydrolysate through ultrafiltration purification and in silico studies. <i>Food Bioscience</i> , 2021, 44, 101355.  | 2.0 | 8         |
| 45 | Analysis of solvent effects on polyphenols profile, antiproliferative and antioxidant activities of mulberry ( <i>Morus alba</i> L.) extracts. <i>International Journal of Food Science and Technology</i> , 2017, 52, 1690-1698.                       | 1.3 | 7         |
| 46 | Identification and Characterization of MiRNAs in <i>Coccomyxa subellipsoidea</i> C-169. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3448.  | 1.8 | 6         |
| 47 | Sll0528, a Site-2-Protease, Is Critically Involved in Cold, Salt and Hyperosmotic Stress Acclimation of <i>Cyanobacterium Synechocystis</i> sp. PCC 6803. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22678-22693.                   | 1.8 | 5         |
| 48 | The reversed terminator of octopine synthase gene on the <i>Agrobacterium</i> Ti plasmid has a weak promoter activity in prokaryotes. <i>Molecular Biology Reports</i> , 2010, 37, 2157-2162.   | 1.0 | 1         |
| 49 | Front Cover Image, Volume 116, Number 12, December 2019. <i>Biotechnology and Bioengineering</i> , 2019, 116, i.  | 1.7 | 0         |