

# Inmaculada Couso Lianez

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,226  
citations

471509

17  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of Lutein Production in <i>Chlorella sorokiniana</i> (Chlorophyta) by Improvement of Culture Conditions and Random Mutagenesis. <i>Marine Drugs</i> , 2011, 9, 1607-1624.	4.6	192
2	Enhancement of carotenoids biosynthesis in <i>Chlamydomonas reinhardtii</i> by nuclear transformation using a phytoene synthase gene isolated from <i>Chlorella zofingiensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 341-351.	3.6	158
3	Overexpression of an exogenous phytoene synthase gene in the unicellular alga <i>Chlamydomonas reinhardtii</i> leads to an increase in the content of carotenoids. <i>Biotechnology Progress</i> , 2011, 27, 54-60.	2.6	99
4	Metabolic engineering of ketocarotenoids biosynthesis in the unicellular microalga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biotechnology</i> , 2007, 130, 143-152.	3.8	95
5	Carotenoid deficiency triggers autophagy in the model green alga <i>Chlamydomonas reinhardtii</i> . <i>Autophagy</i> , 2012, 8, 376-388.	9.1	85
6	Synergism between Inositol Polyphosphates and TOR Kinase Signaling in Nutrient Sensing, Growth Control, and Lipid Metabolism in <i>Chlamydomonas</i> . <i>Plant Cell</i> , 2016, 28, 2026-2042.	6.6	85
7	Autophagic flux is required for the synthesis of triacylglycerols and ribosomal protein turnover in <i>Chlamydomonas</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 1355-1367.	4.8	82
8	Synthesis of carotenoids and regulation of the carotenoid biosynthesis pathway in response to high light stress in the unicellular microalga <i>Chlamydomonas reinhardtii</i> . <i>European Journal of Phycology</i> , 2012, 47, 223-232.	2.0	62
9	The TOR Signaling Network in the Model Unicellular Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Biomolecules</i> , 2017, 7, 54.	4.0	61
10	Isolation and Characterization of a Lycopene $\beta$ -Cyclase Gene of <i>Chlorella</i> ( <i>Chromochloris</i> ) <i>zofingiensis</i> . Regulation of the Carotenogenic Pathway by Nitrogen and Light. <i>Marine Drugs</i> , 2012, 10, 2069-2088.	4.6	49
11	Investigating the effect of target of rapamycin kinase inhibition on the <i>Chlamydomonas reinhardtii</i> phosphoproteome: from known homologs to new targets. <i>New Phytologist</i> , 2019, 221, 247-260.	7.3	48
12	Phosphorus Availability Regulates TORC1 Signaling via LST8 in <i>Chlamydomonas</i> . <i>Plant Cell</i> , 2020, 32, 69-80.	6.6	43
13	Carotenoid content in mutants of the chlorophyte <i>Chlamydomonas reinhardtii</i> with low expression levels of phytoene desaturase. <i>Process Biochemistry</i> , 2008, 43, 1147-1152.	3.7	35
14	ISOLATION AND CHARACTERIZATION OF A LYCOPENE $\beta$ -CYCLASE GENE FROM THE ASTAXANTHIN-PRODUCING GREEN ALGA <i>CHLORELLA ZOFINGIENSIS</i> (CHLOROPHYTA). <i>Journal of Phycology</i> , 2010, 46, 1229-1238.	2.3	34
15	Monitoring Autophagy in the Model Green Microalga <i>Chlamydomonas reinhardtii</i> . <i>Cells</i> , 2017, 6, 36.	4.1	30
16	Probing the global kinome and phosphoproteome in <i>Chlamydomonas reinhardtii</i> via sequential enrichment and quantitative proteomics. <i>Plant Journal</i> , 2017, 89, 416-426.	5.7	29
17	Efficient Heterologous Transformation of <i>Chlamydomonas reinhardtii</i> npq2 Mutant with the Zeaxanthin Epoxidase Gene Isolated and Characterized from <i>Chlorella zofingiensis</i> . <i>Marine Drugs</i> , 2012, 10, 1955-1976.	4.6	23
18	Inositol polyphosphates and target of rapamycin kinase signalling govern photosystem II protein phosphorylation and photosynthetic function under light stress in <i>Chlamydomonas</i> . <i>New Phytologist</i> , 2021, 232, 2011-2025.	7.3	10

#	ARTICLE	IF	CITATIONS
19	Transcriptomic and Metabolomic Response to High Light in the Charophyte Alga <i>Klebsormidium nitens</i> . <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	6
20	Redox Control of Autophagy in Photosynthetic Organisms. <i>Progress in Botany Fortschritte Der Botanik</i> , 2017, , 75-88.	0.3	0
21	Targeting of exogenous $\beta$ -carotene oxygenase into the chloroplast is essential for its efficient function in the microalga <i>Chlamydomonas reinhardtii</i> . , 2009, , .		0
22	Isolation and characterization of pigment deficient insertional mutants in the chlorophyte <i>Chlamydomonas reinhardtii</i> . <i>Genomics Discovery</i> , 2013, 1, 2.	0.2	0