

Dimitris Petroutsos

List of Publications by Year in descending order

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28
papers

2,852
citations

331538

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docs citations

32
times ranked

3253
citing authors

#	ARTICLE	IF	CITATIONS
1	Energetic coupling between plastids and mitochondria drives CO ₂ assimilation in diatoms. <i>Nature</i> , 2015, 524, 366-369.	13.7	311
2	Glycerolipids in photosynthesis: Composition, synthesis and trafficking. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 470-480.	0.5	296
3	Membrane Glycerolipid Remodeling Triggered by Nitrogen and Phosphorus Starvation in <i>Phaeodactylum tricornutum</i> . <i>Plant Physiology</i> , 2015, 167, 118-136.	2.3	286
4	A Dual Strategy to Cope with High Light in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2013, 25, 545-557.	3.1	193
5	A blue-light photoreceptor mediates the feedback regulation of photosynthesis. <i>Nature</i> , 2016, 537, 563-566.	13.7	185
6	Control of Hydrogen Photoproduction by the Proton Gradient Generated by Cyclic Electron Flow in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2011, 23, 2619-2630.	3.1	176
7	Calcium-dependent regulation of cyclic photosynthetic electron transfer by a CAS, ANR1, and PGRL1 complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17717-17722.	3.3	151
8	The Chloroplast Calcium Sensor CAS Is Required for Photoacclimation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2011, 23, 2950-2963.	3.1	145
9	Chloroplast remodeling during state transitions in <i>Chlamydomonas reinhardtii</i> as revealed by noninvasive techniques in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5042-5047.	3.3	127
10	Proton Gradient Regulation 5-Mediated Cyclic Electron Flow under ATP- or Redox-Limited Conditions: A Study of <i>ATPase pgr5</i> and <i>rbcL pgr5</i> Mutants in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2014, 165, 438-452.	2.3	127
11	Evolution of galactoglycerolipid biosynthetic pathways – From cyanobacteria to primary plastids and from primary to secondary plastids. <i>Progress in Lipid Research</i> , 2014, 54, 68-85.	5.3	118
12	Ions channels/transporters and chloroplast regulation. <i>Cell Calcium</i> , 2015, 58, 86-97.	1.1	111
13	Plastid thylakoid architecture optimizes photosynthesis in diatoms. <i>Nature Communications</i> , 2017, 8, 15885.	5.8	93
14	Investigating mixotrophic metabolism in the model diatom <i>Phaeodactylum tricornutum</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160404.	1.8	85
15	PGRL1 Participates in Iron-induced Remodeling of the Photosynthetic Apparatus and in Energy Metabolism in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 32770-32781.	1.6	81
16	Detoxification of 2,4-dichlorophenol by the marine microalga <i>Tetraselmis marina</i> . <i>Phytochemistry</i> , 2008, 69, 707-714.	1.4	59
17	The Water to Water Cycles in Microalgae. <i>Plant and Cell Physiology</i> , 2016, 57, pcw048.	1.5	58
18	Proton Gradient Regulation5-Like1-Mediated Cyclic Electron Flow Is Crucial for Acclimation to Anoxia and Complementary to Nonphotochemical Quenching in Stress Adaptation. <i>Plant Physiology</i> , 2014, 165, 1604-1617.	2.3	54

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19	Photoreceptor-dependent regulation of photoprotection. <i>Current Opinion in Plant Biology</i> , 2017, 37, 102-108.	3.5	51
20	Calredoxin represents a novel type of calcium-dependent sensor-responder connected to redox regulation in the chloroplast. <i>Nature Communications</i> , 2016, 7, 11847.	5.8	45
21	Toxicity and metabolism of p-chlorophenol in the marine microalga <i>Tetraselmis marina</i> . <i>Aquatic Toxicology</i> , 2007, 85, 192-201.	1.9	23
22	Removal of p-chlorophenol by the marine microalga <i>Tetraselmis marina</i> . <i>Journal of Applied Phycology</i> , 2007, 19, 485-490.	1.5	20
23	Transcriptional regulation of photoprotection in dark-to-light transition—More than just a matter of excess light energy. <i>Science Advances</i> , 2022, 8, .	4.7	17
24	Fermentation characteristics of <i>Fusariumoxysporum</i> grown on acetate. <i>Bioresource Technology</i> , 2008, 99, 7397-7401.	4.8	16
25	Consequences of Mixotrophy on Cell Energetic Metabolism in <i>Microchloropsis gaditana</i> Revealed by Genetic Engineering and Metabolic Approaches. <i>Frontiers in Plant Science</i> , 2021, 12, 628684.	1.7	8
26	<i>Chlamydomonas</i> Photoreceptors: Cellular Functions and Impact on Physiology. <i>Microbiology Monographs</i> , 2017, , 1-19.	0.3	6
27	Removal of 1,3-Dichloro2-Propanol and 3-Chloro1,2-Propanediol by the Whole Cell System of <i>Pseudomonas putida</i> DSM 437. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 303-313.	0.9	3
28	A Toolkit for the Characterization of the Photoprotective Capacity of Green Algae. <i>Methods in Molecular Biology</i> , 2018, 1829, 315-323.	0.4	2