

# Sacha N Coesel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2118408/publications.pdf>

Version: 2024-02-01

15  
papers

2,925  
citations

687363

13  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

3421  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Phaeodactylum genome reveals the evolutionary history of diatom genomes. <i>Nature</i> , 2008, 456, 239-244.	27.8	1,458
2	Molecular toolbox for studying diatom biology in <i>Phaeodactylum tricornutum</i> . <i>Gene</i> , 2007, 406, 23-35.	2.2	293
3	An atypical member of the light-harvesting complex stress-related protein family modulates diatom responses to light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18214-18219.	7.1	258
4	Diatom PtCPF1 is a new cryptochrome/photolyase family member with DNA repair and transcription regulation activity. <i>EMBO Reports</i> , 2009, 10, 655-661.	4.5	168
5	Evolutionary Origins and Functions of the Carotenoid Biosynthetic Pathway in Marine Diatoms. <i>PLoS ONE</i> , 2008, 3, e2896.	2.5	134
6	Genome-wide diel growth state transitions in the diatom <i>Thalassiosira pseudonana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7518-7523.	7.1	132
7	Sulfonate-based networks between eukaryotic phytoplankton and heterotrophic bacteria in the surface ocean. <i>Nature Microbiology</i> , 2019, 4, 1706-1715.	13.3	120
8	Nutrient Limitation is the Main Regulatory Factor for Carotenoid Accumulation and for Psy and Pds Steady State Transcript Levels in <i>Dunaliella salina</i> (Chlorophyta) Exposed to High Light and Salt Stress. <i>Marine Biotechnology</i> , 2008, 10, 602-11.	2.4	110
9	IDENTIFICATION AND COMPARATIVE GENOMIC ANALYSIS OF SIGNALING AND REGULATORY COMPONENTS IN THE DIATOM <i>THALASSIOSIRA PSEUDONANA</i> . <i>Journal of Phycology</i> , 2007, 43, 585-604.	2.3	87
10	Isolation and characterization of a stress-inducible <i>Dunaliella salina</i> Lcy- $\beta$ gene encoding a functional lycopene $\beta$ -cyclase. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 819-28.	3.6	65
11	The dynamic trophic architecture of open-ocean protist communities revealed through machine-guided metatranscriptomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	27
12	Diel transcriptional oscillations of light-sensitive regulatory elements in open-ocean eukaryotic plankton communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
13	Complex marine microbial communities partition metabolism of scarce resources over the diel cycle. <i>Nature Ecology and Evolution</i> , 2022, 6, 218-229.	7.8	21
14	Fe limitation decreases transcriptional regulation over the diel cycle in the model diatom <i>Thalassiosira pseudonana</i> . <i>PLoS ONE</i> , 2019, 14, e0222325.	2.5	14
15	Diel-Regulated Transcriptional Cascades of Microbial Eukaryotes in the North Pacific Subtropical Gyre. <i>Frontiers in Microbiology</i> , 2021, 12, 682651.	3.5	6