Weronika Patena

List of Publications by Year
in descending order

13 papers	1,570 citations	759233 12 h-index	1199594 12 g-index
18 all docs	18 docs citations	18 times ranked	2260 citing authors

#	Article	IF	Citations
1	Systematic characterization of gene function in the photosynthetic alga Chlamydomonas reinhardtii. Nature Genetics, 2022, 54, 705-714.	21.4	42
2	The structural basis of Rubisco phase separation in the pyrenoid. Nature Plants, 2020, 6, 1480-1490.	9.3	68
3	Assembly of the algal CO ₂ -fixing organelle, the pyrenoid, is guided by a Rubisco-binding motif. Science Advances, 2020, 6, .	10.3	55
4	A Rubisco-binding protein is required for normal pyrenoid number and starch sheath morphology in Chlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18445-18454.	7.1	60
5	A genome-wide algal mutant library and functional screen identifies genes required for eukaryotic photosynthesis. Nature Genetics, 2019, 51, 627-635.	21.4	234
6	A Spatial Interactome Reveals the Protein Organization of the Algal CO2-Concentrating Mechanism. Cell, 2017, 171, 133-147.e14.	28.9	245
7	An Indexed, Mapped Mutant Library Enables Reverse Genetics Studies of Biological Processes in Chlamydomonas reinhardtii. Plant Cell, 2016, 28, 367-387.	6.6	336
8	A high-coverage shRNA screen identifies TMEM129 as an E3 ligase involved in ER-associated protein degradation. Nature Communications, 2014, 5, 3832.	12.8	113
9	High-Throughput Genotyping of Green Algal Mutants Reveals Random Distribution of Mutagenic Insertion Sites and Endonucleolytic Cleavage of Transforming DNA. Plant Cell, 2014, 26, 1398-1409.	6.6	192
10	Systematic Identification of Barriers to Human iPSC Generation. Cell, 2014, 158, 449-461.	28.9	86
11	Widespread RNA 3â€²-end oligouridylation in mammals. Rna, 2012, 18, 394-401.	3.5	30
12	Rapid creation and quantitative monitoring of high coverage shRNA libraries. Nature Methods, 2009, 6, 443-445.	19.0	92
13	A Genome-Wide, Mapped Algal Mutant Library Enables High-Throughput Genetic Studies in a Photosynthetic Eukaryote. SSRN Electronic Journal, 0, , .	0.4	0