

# Rachel M Dent

## List of Publications by Year in descending order

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11  
papers

2,921  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

4037  
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	12.6	2,354
2	Functional Genomics of Eukaryotic Photosynthesis Using Insertional Mutagenesis of <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2005, 137, 545-556.	4.8	186
3	Functional genomics of plant photosynthesis in the fast lane using <i>Chlamydomonas reinhardtii</i> . <i>Trends in Plant Science</i> , 2001, 6, 364-371.	8.8	84
4	Large-scale insertional mutagenesis of <i>Chlamydomonas</i> supports phylogenomic functional prediction of photosynthetic genes and analysis of classical acetate-requiring mutants. <i>Plant Journal</i> , 2015, 82, 337-351.	5.7	65
5	A Conserved Rubredoxin Is Necessary for Photosystem II Accumulation in Diverse Oxygenic Photoautotrophs. <i>Journal of Biological Chemistry</i> , 2013, 288, 26688-26696.	3.4	61
6	Evolution of an atypical de-epoxidase for photoprotection in the green lineage. <i>Nature Plants</i> , 2016, 2, 16140.	9.3	50
7	Phosphoprotein SAK1 is a regulator of acclimation to singlet oxygen in <i>Chlamydomonas reinhardtii</i> . <i>ELife</i> , 2014, 3, e02286.	6.0	45
8	Mg chelatase in chlorophyll synthesis and retrograde signaling in <i>Chlamydomonas reinhardtii</i> : CHL2 cannot substitute for CHL1. <i>Journal of Experimental Botany</i> , 2016, 67, 3925-3938.	4.8	26
9	Novel Thylakoid Membrane GreenCut Protein CPLD38 Impacts Accumulation of the Cytochrome b6f Complex and Associated Regulatory Processes. <i>Journal of Biological Chemistry</i> , 2013, 288, 7024-7036.	3.4	22
10	Discovery of photosynthesis genes through whole-genome sequencing of acetate-requiring mutants of <i>Chlamydomonas reinhardtii</i> . <i>PLoS Genetics</i> , 2021, 17, e1009725.	3.5	18
11	GreenCut protein <i>scp</i> CPLD49 of <i>Chlamydomonas reinhardtii</i> associates with thylakoid membranes and is required for cytochrome <i>b</i> <sub>6</sub> <i>f</i> complex accumulation. <i>Plant Journal</i> , 2018, 94, 1023-1037.	5.7	10