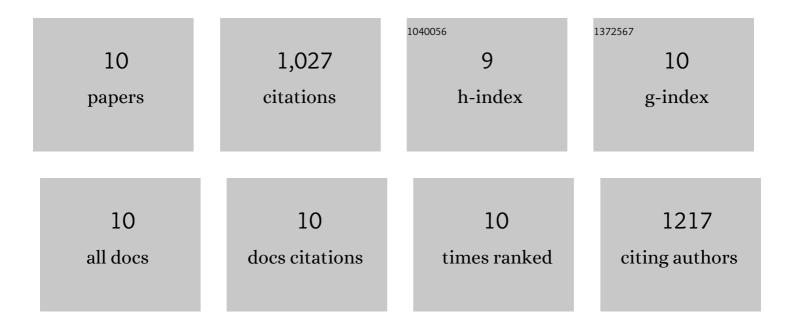
Benjamin D Rae

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8233901/publications.pdf Version: 2024-02-01



RENIAMIN D PAE

#	Article	IF	CITATIONS
1	Functions, Compositions, and Evolution of the Two Types of Carboxysomes: Polyhedral Microcompartments That Facilitate CO ₂ Fixation in Cyanobacteria and Some Proteobacteria. Microbiology and Molecular Biology Reviews, 2013, 77, 357-379.	6.6	346
2	Carboxysome encapsulation of the CO2-fixing enzyme Rubisco in tobacco chloroplasts. Nature Communications, 2018, 9, 3570.	12.8	196
3	Progress and challenges of engineering a biophysical CO2-concentrating mechanism into higher plants. Journal of Experimental Botany, 2017, 68, 3717-3737.	4.8	101
4	Cyanobacterial CO2-concentrating mechanism components: function and prospects for plant metabolic engineering. Current Opinion in Plant Biology, 2016, 31, 1-8.	7.1	90
5	Structural Determinants of the Outer Shell of β-Carboxysomes in Synechococcus elongatus PCC 7942: Roles for CcmK2, K3-K4, CcmO, and CcmL. PLoS ONE, 2012, 7, e43871.	2.5	78
6	Cyanobacterial Carboxysomes: Microcompartments that Facilitate CO2 Fixation. Journal of Molecular Microbiology and Biotechnology, 2013, 23, 300-307.	1.0	78
7	Over-expression of the β-carboxysomal CcmM protein in Synechococcus PCC7942 reveals a tight co-regulation of carboxysomal carbonic anhydrase (CcaA) and M58 content. Photosynthesis Research, 2011, 109, 33-45.	2.9	60
8	The CO2-concentrating mechanism of Synechococcus WH5701 is composed of native and horizontally-acquired components. Photosynthesis Research, 2011, 109, 59-72.	2.9	38
9	Environmental carbonate chemistry selects for phenotype of recently isolated strains of Emiliania huxleyi. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 127, 28-40.	1.4	34
10	Setting sub-organellar sights: accurate targeting of multi-transmembrane-domain proteins to specific chloroplast membranes. Journal of Experimental Botany, 2017, 68, 5013-5016.	4.8	6