Rahul Shaw

List of Publications by Year
in descending order

12 papers	418 citations	1163117 8 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	530 citing authors

#	Article	IF	Citations
1	Single-Cell Transcriptome Analysis in Plants: Advances and Challenges. Molecular Plant, 2021, 14, 115-126.	8.3	127
2	Integration of crop growth model and constraint-based metabolic model predicts metabolic changes over rice plant development under water-limited stress. In Silico Plants, 2021, 3, .	1.9	3
3	Multi-tissue to whole plant metabolic modelling. Cellular and Molecular Life Sciences, 2020, 77, 489-495.	5.4	18
4	A mass and charge balanced metabolic model of Setaria viridis revealed mechanisms of proton balancing in C4 plants. BMC Bioinformatics, 2019, 20, 357.	2.6	25
5	A Genome-Scale Metabolic Model of Soybean (<i>Glycine max</i>) Highlights Metabolic Fluxes in Seedlings. Plant Physiology, 2019, 180, 1912-1929.	4.8	43
6	A Dynamic Multi-Tissue Flux Balance Model Captures Carbon and Nitrogen Metabolism and Optimal Resource Partitioning During Arabidopsis Growth. Frontiers in Plant Science, 2018, 9, 884.	3.6	43
7	Reconstruction of Oryza sativa indica Genome Scale Metabolic Model and Its Responses to Varying RuBisCO Activity, Light Intensity, and Enzymatic Cost Conditions. Frontiers in Plant Science, 2017, 8, 2060.	3.6	21
8	Metabolic Plasticity and Inter-Compartmental Interactions in Rice Metabolism: An Analysis from Reaction Deletion Study. PLoS ONE, 2015, 10, e0133899.	2.5	3
9	Flux balance analysis of genome-scale metabolic model of rice (Oryza sativa): Aiming to increase biomass. Journal of Biosciences, 2015, 40, 819-828.	1.1	6
10	Metabolic trade-offs between biomass synthesis and photosynthate export at different light intensities in a genomeÃ¢â¬â€œscale metabolic model of rice. Frontiers in Plant Science, 2014, 5, 656.	3.6	10
11	Responses to Light Intensity in a Genome-Scale Model of Rice Metabolism Â Â Â. Plant Physiology, 2013, 162, 1060-1072.	4.8	117
12	Random Weighting through Linear Programming into Intracellular Transporters of Rice Metabolic Network. Lecture Notes in Computer Science, 2013, , 662-667.	1.3	2