Robert W Smith

List of Publications by Year
in descending order

13 papers	318 citations	1040056 9 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	472 citing authors

#	Article	IF	Citations
1	Ten simple rules for building an enthusiastic iGEM team. PLoS Computational Biology, 2022, 18, e1009916.	3.2	4
2	Model reduction of genome-scale metabolic models as a basis for targeted kinetic models. Metabolic Engineering, 2021, 64, 74-84.	7.0	20
3	Extending the linear-noise approximation to biochemical systems influenced by intrinsic noise and slow lognormally distributed extrinsic noise. Physical Review E, 2019, 99, 052417.	2.1	19
4	Basic Phytochrome B Calculations. Methods in Molecular Biology, 2019, 2026, 121-133.	0.9	1
5	Phytochrome <scp>B</scp> dynamics departs from photoequilibrium in the field. Plant, Cell and Environment, 2019, 42, 606-617.	5.7	29
6	Optogenetic control shows that kinetic proofreading regulates the activity of the T cell receptor. ELife, 2019, 8, .	6.0	82
7	Insight into nuclear body formation of phytochromes through stochastic modelling and experiment. Physical Biology, 2018, 15, 056003.	1.8	6
8	DMPy: a Python package for automated mathematical model construction of large-scale metabolic systems. BMC Systems Biology, 2018, 12, 72.	3.0	16
9	Interactions Between phyB and PIF Proteins Alter Thermal Reversion Reactions in vitro. Photochemistry and Photobiology, 2017, 93, 1525-1531.	2.5	13
10	Derivation and Use of Mathematical Models in Systems Biology. , 2017, , 339-367.		0
11	Designing synthetic networks in silico: a generalised evolutionary algorithm approach. BMC Systems Biology, 2017, 11, 118.	3.0	20
12	Unearthing the transition rates between photoreceptor conformers. BMC Systems Biology, 2016, 10, 110.	3.0	27
13	Exploiting heterogeneous environments: does photosynthetic acclimation optimize carbon gain in fluctuating light?. Journal of Experimental Botany, 2015, 66, 2437-2447.	4.8	78