

Robert W Smith

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2230564/publications.pdf>

Version: 2024-02-01

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