

Daniel D Seaton

List of Publications by Year in descending order

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17
papers

1,090
citations

567281

15
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

1950
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell RNA-sequencing of differentiating iPS cells reveals dynamic genetic effects on gene expression. <i>Nature Communications</i> , 2020, 11, 810.	12.8	235
2	Population-scale single-cell RNA-seq profiling across dopaminergic neuron differentiation. <i>Nature Genetics</i> , 2021, 53, 304-312.	21.4	146
3	Photoreceptor effects on plant biomass, resource allocation, and metabolic state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7667-7672.	7.1	115
4	Linked circadian outputs control elongation growth and flowering in response to photoperiod and temperature. <i>Molecular Systems Biology</i> , 2015, 11, 776.	7.2	87
5	Photoperiodic control of the <i>Arabidopsis</i> proteome reveals a translational coincidence mechanism. <i>Molecular Systems Biology</i> , 2018, 14, e7962.	7.2	74
6	Photoperiod-dependent changes in the phase of core clock transcripts and global transcriptional outputs at dawn and dusk in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 1955-1981.	5.7	60
7	Defining the robust behaviour of the plant clock gene circuit with absolute RNA timeseries and open infrastructure. <i>Open Biology</i> , 2015, 5, 150042.	3.6	42
8	Identification of rare and common regulatory variants in pluripotent cells using population-scale transcriptomics. <i>Nature Genetics</i> , 2021, 53, 313-321.	21.4	42
9	Mathematical Models Light Up Plant Signaling. <i>Plant Cell</i> , 2014, 26, 5-20.	6.6	41
10	Population-scale proteome variation in human induced pluripotent stem cells. <i>ELife</i> , 2020, 9, .	6.0	40
11	Dawn and photoperiod sensing by phytochrome A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10523-10528.	7.1	34
12	Regulatory principles and experimental approaches to the circadian control of starch turnover. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130979.	3.4	29
13	Discovery and quality analysis of a comprehensive set of structural variants and short tandem repeats. <i>Nature Communications</i> , 2020, 11, 2928.	12.8	22
14	Multi-scale modelling to synergise Plant Systems Biology and Crop Science. <i>Field Crops Research</i> , 2017, 202, 77-83.	5.1	21
15	An explanatory model of temperature influence on flowering through whole-plant accumulation of FLOWERING LOCUS T in <i>Arabidopsis thaliana</i> . <i>In Silico Plants</i> , 2019, 1, .	1.9	20
16	Model-Based Analysis of Cell Cycle Responses to Dynamically Changing Environments. <i>PLoS Computational Biology</i> , 2016, 12, e1004604.	3.2	12
17	ODE-Based Modeling of Complex Regulatory Circuits. <i>Methods in Molecular Biology</i> , 2017, 1629, 317-330.	0.9	0