Daniel R Hochbaum

List of Publications by Year
in descending order

18	2,737	759233 12	888059 17
papers	citations	h-index	g-index

23	23	23	3885
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of Thermogenesis Experiments with CalR. Methods in Molecular Biology, 2022, 2448, 43-72.	0.9	3
2	Activity-dependent regulome of human GABAergic neurons reveals new patterns of gene regulation and neurological disease heritability. Nature Neuroscience, 2021, 24, 437-448.	14.8	33
3	Anatomical and single-cell transcriptional profiling of the murine habenular complex. ELife, 2020, 9, .	6.0	67
4	Distinct Cortical-Thalamic-Striatal Circuits through the Parafascicular Nucleus. Neuron, 2019, 102, 636-652.e7.	8.1	118
5	A robotic multidimensional directed evolution approach applied to fluorescent voltage reporters. Nature Chemical Biology, 2018, 14, 352-360.	8.0	264
6	Single-cell analysis of experience-dependent transcriptomic states in the mouse visual cortex. Nature Neuroscience, 2018, 21, 120-129.	14.8	394
7	Early-Life Gene Expression in Neurons Modulates Lasting Epigenetic States. Cell, 2017, 171, 1151-1164.e16.	28.9	167
8	Bots for Software-Assisted Analysis of Image-Based Transcriptomics. , 2017, , .		3
9	Roadmap on neurophotonics. Journal of Optics (United Kingdom), 2016, 18, 093007.	2.2	28
10	Measuring Membrane Voltage with Microbial Rhodopsins. Methods in Molecular Biology, 2014, 1071, 97-108.	0.9	3
11	Flash Memory: Photochemical Imprinting of Neuronal Action Potentials onto a Microbial Rhodopsin. Journal of the American Chemical Society, 2014, 136, 2529-2537.	13.7	35
12	Bright and fast multicoloured voltage reporters via electrochromic FRET. Nature Communications, 2014, 5, 4625.	12.8	175
13	All-optical electrophysiology in mammalian neurons using engineered microbial rhodopsins. Nature Methods, 2014, 11, 825-833.	19.0	666
14	A Comprehensive Live Cell Screening Approach for Developing Improved Microbial Rhodopsin-Based Voltage Biosensors. Biophysical Journal, 2014, 106, 415a.	0.5	1
15	Optical recording of action potentials in mammalian neurons using a microbial rhodopsin. Nature Methods, 2012, 9, 90-95.	19.0	403
16	Optogenetic Studies of Electrical Spiking in E. coli Using an Engineered Proteorhodopsin. Biophysical Journal, 2011, 100, 487a.	0.5	0
17	Development of an Optogenetic Sensor of Membrane Potential. Biophysical Journal, 2011, 100, 368a.	0.5	0
18	Electrical Spiking in Escherichia coli Probed with a Fluorescent Voltage-Indicating Protein. Science, 2011, 333, 345-348.	12.6	355