

David A Feldheim

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

908
citations

758635

12
h-index

1125271

13
g-index

18
all docs

18
docs citations

18
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental Mechanisms of Topographic Map Formation and Alignment. Annual Review of Neuroscience, 2013, 36, 51-77.	5.0	252
2	Cadherin-6 Mediates Axon-Target Matching in a Non-Image-Forming Visual Circuit. Neuron, 2011, 71, 632-639.	3.8	137
3	The Mouse Superior Colliculus: An Emerging Model for Studying Circuit Formation and Function. Frontiers in Neural Circuits, 2018, 12, 10.	1.4	112
4	Retinal Input Instructs Alignment of Visual Topographic Maps. Cell, 2009, 139, 175-185.	13.5	103
5	Segregation of Visual Response Properties in the Mouse Superior Colliculus and Their Modulation during Locomotion. Journal of Neuroscience, 2017, 37, 8428-8443.	1.7	64
6	Tbr2 Is Required to Generate a Neural Circuit Mediating the Pupillary Light Reflex. Journal of Neuroscience, 2014, 34, 5447-5453.	1.7	52
7	Dendritic and axonal targeting patterns of a genetically-specified class of retinal ganglion cells that participate in image-forming circuits. Neural Development, 2014, 9, 2.	1.1	43
8	Corticothalamic Axons Are Essential for Retinal Ganglion Cell Axon Targeting to the Mouse Dorsal Lateral Geniculate Nucleus. Journal of Neuroscience, 2016, 36, 5252-5263.	1.7	41
9	Expression of transcription factors divides retinal ganglion cells into distinct classes. Journal of Comparative Neurology, 2019, 527, 225-235.	0.9	32
10	Stochastic Interaction between Neural Activity and Molecular Cues in the Formation of Topographic Maps. Neuron, 2015, 87, 1261-1273.	3.8	30
11	Spectral cues are necessary to encode azimuthal auditory space in the mouse superior colliculus. Nature Communications, 2020, 11, 1087.	5.8	18
12	Ephrins are required for the topographic mapping but not laminar choice of physiologically distinct RGC types. Developmental Neurobiology, 2015, 75, 584-593.	1.5	13
13	Nonlinear visuoauditory integration in the mouse superior colliculus. PLoS Computational Biology, 2021, 17, e1009181.	1.5	7
14	Adult Expression of Tbr2 Is Required for the Maintenance but Not Survival of Intrinsically Photosensitive Retinal Ganglion Cells. Frontiers in Cellular Neuroscience, 2022, 16, 826590.	1.8	2
15	High-frequency hearing is required to compute a topographic map of auditory space in the mouse superior colliculus. ENeuro, 2022, 9, ENEURO.0513-21.2022.	0.9	1