

Lief E Fenno

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

13,149
citations

172457

29
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

16609
citing authors

#	ARTICLE	IF	CITATIONS
1	A functional cellular framework for sex and estrous cycle-dependent gene expression and behavior. <i>Cell</i> , 2022, 185, 654-671.e22.	28.9	52
2	Reciprocal Lateral Hypothalamic and Raphe GABAergic Projections Promote Wakefulness. <i>Journal of Neuroscience</i> , 2021, 41, 4840-4849.	3.6	15
3	Transcriptional and functional divergence in lateral hypothalamic glutamate neurons projecting to the lateral habenula and ventral tegmental area. <i>Neuron</i> , 2021, 109, 3823-3837.e6.	8.1	31
4	Sox6 expression distinguishes dorsally and ventrally biased dopamine neurons in the substantia nigra with distinctive properties and embryonic origins. <i>Cell Reports</i> , 2021, 37, 109975.	6.4	33
5	Distinct Signaling by Ventral Tegmental Area Glutamate, GABA, and Combinatorial Glutamate-GABA Neurons in Motivated Behavior. <i>Cell Reports</i> , 2020, 32, 108094.	6.4	60
6	A Molecular Calcium Integrator Reveals a Striatal Cell Type Driving Aversion. <i>Cell</i> , 2020, 183, 2003-2019.e16.	28.9	40
7	Comprehensive Dual- and Triple-Feature Intersectional Single-Vector Delivery of Diverse Functional Payloads to Cells of Behaving Mammals. <i>Neuron</i> , 2020, 107, 836-853.e11.	8.1	93
8	Genetically targeted chemical assembly of functional materials in living cells, tissues, and animals. <i>Science</i> , 2020, 367, 1372-1376.	12.6	132
9	Mapping Brain-Wide Afferent Inputs of Parvalbumin-Expressing GABAergic Neurons in Barrel Cortex Reveals Local and Long-Range Circuit Motifs. <i>Cell Reports</i> , 2019, 28, 3450-3461.e8.	6.4	52
10	A hypothalamus-habenula circuit controls aversion. <i>Molecular Psychiatry</i> , 2019, 24, 1351-1368.	7.9	111
11	Sono-optogenetics facilitated by a circulation-delivered rechargeable light source for minimally invasive optogenetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26332-26342.	7.1	118
12	Excitation of Diverse Classes of Cholecystokinin Interneurons in the Basal Amygdala Facilitates Fear Extinction. <i>ENeuro</i> , 2019, 6, ENEURO.0220-19.2019.	1.9	30
13	Structural mechanisms of selectivity and gating in anion channelrhodopsins. <i>Nature</i> , 2018, 561, 349-354.	27.8	67
14	Crystal structure of the natural anion-conducting channelrhodopsin GtACR1. <i>Nature</i> , 2018, 561, 343-348.	27.8	93
15	Next-generation probes, particles, and proteins for neural interfacing. <i>Science Advances</i> , 2017, 3, e1601649.	10.3	377
16	The central amygdala controls learning in the lateral amygdala. <i>Nature Neuroscience</i> , 2017, 20, 1680-1685.	14.8	159
17	Thirst-associated preoptic neurons encode an aversive motivational drive. <i>Science</i> , 2017, 357, 1149-1155.	12.6	233
18	A Guide to Creating and Testing New INTRSECT Constructs. <i>Current Protocols in Neuroscience</i> , 2017, 80, 4.39.1-4.39.24.	2.6	25

#	ARTICLE	IF	CITATIONS
19	Modulation of prefrontal cortex excitation/inhibition balance rescues social behavior in <i>CNTNAP2</i> -deficient mice. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	252
20	Distinct Thalamic Reticular Cell Types Differentially Modulate Normal and Pathological Cortical Rhythms. <i>Cell Reports</i> , 2017, 19, 2130-2142.	6.4	150
21	Midbrain circuits for defensive behaviour. <i>Nature</i> , 2016, 534, 206-212.	27.8	546
22	Mapping Anatomy to Behavior in Thy1:18 ChR2-YFP Transgenic Mice Using Optogenetics. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot075598.	0.3	7
23	Chronic Optogenetic Activation Augments A β Pathology in a Mouse Model of Alzheimer Disease. <i>Cell Reports</i> , 2015, 11, 859-865.	6.4	186
24	Natural Neural Projection Dynamics Underlying Social Behavior. <i>Cell</i> , 2014, 157, 1535-1551.	28.9	1,121
25	Optogenetic neuronal stimulation promotes functional recovery after stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12913-12918.	7.1	169
26	Targeting cells with single vectors using multiple-feature Boolean logic. <i>Nature Methods</i> , 2014, 11, 763-772.	19.0	427
27	A new mode of corticothalamic transmission revealed in the <i>Gria4</i> ^{+/+} model of absence epilepsy. <i>Nature Neuroscience</i> , 2011, 14, 1167-1173.	14.8	159
28	Neocortical excitation/inhibition balance in information processing and social dysfunction. <i>Nature</i> , 2011, 477, 171-178.	27.8	2,036
29	The Microbial Opsin Family of Optogenetic Tools. <i>Cell</i> , 2011, 147, 1446-1457.	28.9	471
30	Optogenetics in Neural Systems. <i>Neuron</i> , 2011, 71, 9-34.	8.1	1,629
31	The Development and Application of Optogenetics. <i>Annual Review of Neuroscience</i> , 2011, 34, 389-412.	10.7	1,567
32	SNCA Triplication Parkinson's Patient's iPSC-derived DA Neurons Accumulate α -Synuclein and Are Susceptible to Oxidative Stress. <i>PLoS ONE</i> , 2011, 6, e26159.	2.5	257
33	Amygdala circuitry mediating reversible and bidirectional control of anxiety. <i>Nature</i> , 2011, 471, 358-362.	27.8	1,073
34	Microbial Opsins: A Family of Single-Component Tools for Optical Control of Neural Activity. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, top102.	0.3	38
35	Global and local fMRI signals driven by neurons defined optogenetically by type and wiring. <i>Nature</i> , 2010, 465, 788-792.	27.8	659
36	Lee et al. reply. <i>Nature</i> , 2010, 468, E4-E5.	27.8	3

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37	Temporally precise in vivo control of intracellular signalling. <i>Nature</i> , 2009, 458, 1025-1029.	27.8	653
38	Human embryonic stem cells: emerging technologies and practical applications. <i>Current Opinion in Genetics and Development</i> , 2008, 18, 324-329.	3.3	21