Larry S Zweifel

List of Publications by Year
in descending order

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73 papers	6,960 citations	81900 39 h-index	85541 71 g-index
84 all docs	84 docs citations	84 times ranked	9268 citing authors

#	Article	IF	Citations
1	Disinhibitory feedback loops for reward and aversion. Cell Research, 2022, 32, 115-116.	12.0	0
2	Catecholaminergic Innervation of the Lateral Nucleus of the Cerebellum Modulates Cognitive Behaviors. Journal of Neuroscience, 2021, 41, 3512-3530.	3.6	15
3	Repetitive blast mild traumatic brain injury increases ethanol sensitivity in male mice and risky drinking behavior in male combat veterans. Alcoholism: Clinical and Experimental Research, 2021, 45, 1051-1064.	2.4	16
4	Periaqueductal gray/dorsal raphe dopamine neurons contribute to sex differences in pain-related behaviors. Neuron, 2021, 109, 1365-1380.e5.	8.1	66
5	Intercalated amygdala clusters orchestrate a switch in fear state. Nature, 2021, 594, 403-407.	27.8	61
6	CRISPR knockdown of Kcnq3 attenuates the M-current and increases excitability of NPY/AgRP neurons to alter energy balance. Molecular Metabolism, 2021, 49, 101218.	6.5	11
7	Central amygdala circuits in valence and salience processing. Behavioural Brain Research, 2021, 410, 113355.	2.2	31
8	A midbrain dynorphin circuit promotes threat generalization. Current Biology, 2021, 31, 4388-4396.e5.	3.9	11
9	â€˜Fearful-placeâ€™ coding in the amygdala-hippocampal network. ELife, 2021, 10, .	6.0	6
10	An endogenous opioid circuit determines state-dependent reward consumption. Nature, 2021, 598, 646-651.	27.8	49
11	Îº Opioid Receptor-Dynorphin Signaling in the Central Amygdala Regulates Conditioned Threat Discrimination and Anxiety. ENeuro, 2021, 8, ENEURO.0370-20.2020.	1.9	15
12	Autism-associated mutations in K _V 7 channels induce gating pore current. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
13	Synergy of Distinct Dopamine Projection Populations in Behavioral Reinforcement. Neuron, 2020, 105, 909-920.e5.	8.1	92
14	Purkinje Cell-Specific Knockout of Tyrosine Hydroxylase Impairs Cognitive Behaviors. Frontiers in Cellular Neuroscience, 2020, 14, 228.	3.7	27
15	Protocol to Design, Clone, and Validate sgRNAs forÂInÂVivo Reverse Genetic Studies. STAR Protocols, 2020, 1, 100070.	1.2	8
16	Anatomic resolution of neurotransmitter-specific projections to the VTA reveals diversity of GABAergic inputs. Nature Neuroscience, 2020, 23, 968-980.	14.8	40
17	Conditional Single Vector CRISPR/SaCas9 Viruses for Efficient Mutagenesis in the Adult Mouse Nervous System. Cell Reports, 2020, 30, 4303-4316.e6.	6.4	55
18	VTA Glutamate Neuron Activity Drives Positive Reinforcement Absent Dopamine Co-release. Neuron, 2020, 107, 864-873.e4.	8.1	85

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19	Persistent activation of central amygdala CRF neurons helps drive the immediate fear extinction deficit. Nature Communications, 2020, 11, 422.	12.8	32
20	Dynamics of a hippocampal neuronal ensemble encoding trace fear memory revealed by in vivo Ca2+ imaging. PLoS ONE, 2019, 14, e0219152.	2.5	8
21	Sex-dependent impaired locomotion and motor coordination in the HdhQ200/200 mouse model of Huntington's Disease. Neurobiology of Disease, 2019, 132, 104607.	4.4	7
22	NMDA receptor deletion on dopamine neurons disrupts visual discrimination and reversal learning. Neuroscience Letters, 2019, 699, 109-114.	2.1	9
23	Divergent medial amygdala projections regulate approachâ€“avoidance conflict behavior. Nature Neuroscience, 2019, 22, 565-575.	14.8	93
24	Dopamine, uncertainty, and fear generalization. Current Opinion in Behavioral Sciences, 2019, 26, 157-164.	3.9	7
25	Dorsolateral septum somatostatin interneurons gate mobility to calibrate context-specific behavioral fear responses. Nature Neuroscience, 2019, 22, 436-446.	14.8	63
26	Olfactory inputs modulate respiration-related rhythmic activity in the prefrontal cortex and freezing behavior. Nature Communications, 2018, 9, 1528.	12.8	121
27	Functional circuit architecture underlying parental behaviour. Nature, 2018, 556, 326-331.	27.8	290
28	Anxiety Cells in a Hippocampal-Hypothalamic Circuit. Neuron, 2018, 97, 670-683.e6.	8.1	408
29	Dopamine D1 Receptorâ€“Positive Neurons in the Lateral Nucleus of the Cerebellum Contribute to Cognitive Behavior. Biological Psychiatry, 2018, 84, 401-412.	1.3	60
30	Dentate granule cell recruitment of feedforward inhibition governs engram maintenance and remote memory generalization. Nature Medicine, 2018, 24, 438-449.	30.7	115
31	Functional modulation of primary visual cortex by the superior colliculus in the mouse. Nature Communications, 2018, 9, 3895.	12.8	51
32	Dopamine Neurons Reflect the Uncertainty in Fear Generalization. Neuron, 2018, 100, 916-925.e3.	8.1	70
33	Hotspots of missense mutation identify neurodevelopmental disorder genes and functional domains. Nature Neuroscience, 2017, 20, 1043-1051.	14.8	152
34	A Central Amygdala CRF Circuit Facilitates Learning about Weak Threats. Neuron, 2017, 93, 164-178.	8.1	159
35	Sexual congruency in the connectome and translatome of VTA dopamine neurons. Scientific Reports, 2017, 7, 11120.	3.3	27
36	Direct Midbrain Dopamine Input to the Suprachiasmatic Nucleus Accelerates Circadian Entrainment. Current Biology, 2017, 27, 2465-2475.e3.	3.9	97

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37	Dramatic enhancement of the detection limits of bioassays via ultrafast deposition of polydopamine. Nature Biomedical Engineering, 2017, 1, .	22.5	93
38	Roundabout receptor 2 maintains inhibitory control of the adult midbrain. ELife, 2017, 6, .	6.0	14
39	Reversal of Alcohol-Induced Dysregulation in Dopamine Network Dynamics May Rescue Maladaptive Decision-making. Journal of Neuroscience, 2016, 36, 3698-3708.	3.6	39
40	Genetic Isolation of Hypothalamic Neurons that Regulate Context-Specific Male Social Behavior. Cell Reports, 2016, 16, 304-313.	6.4	49
41	Helium Scanning Transmission Ion Microscopy and Electrical Characterization of Glass Nanocapillaries with Reproducible Tip Geometries. ACS Nano, 2016, 10, 1918-1925.	14.6	11
42	Agouti-related peptide neural circuits mediate adaptive behaviors in the starved state. Nature Neuroscience, 2016, 19, 734-741.	14.8	223
43	Ablation of Type III Adenylyl Cyclase in Mice Causes Reduced Neuronal Activity, Altered Sleep Pattern, and Depression-like Phenotypes. Biological Psychiatry, 2016, 80, 836-848.	1.3	70
44	A genetic link between discriminative fear coding by the lateral amygdala, dopamine, and fear generalization. ELife, 2015, 4, .	6.0	23
45	A-kinase Anchoring Protein 79/150 Recruits Protein Kinase C to Phosphorylate Roundabout Receptors. Journal of Biological Chemistry, 2015, 290, 14107-14119.	3.4	14
46	Overexpression of the Type 1 Adenylyl Cyclase in the Forebrain Leads to Deficits of Behavioral Inhibition. Journal of Neuroscience, 2015, 35, 339-351.	3.6	19
47	Elucidating an Affective Pain Circuit that Creates a Threat Memory. Cell, 2015, 162, 363-374.	28.9	349
48	Kappa Opioid Receptor-Induced Aversion Requires p38 MAPK Activation in VTA Dopamine Neurons. Journal of Neuroscience, 2015, 35, 12917-12931.	3.6	147
49	Coronin-1 is a neurotrophin endosomal effector that is required for developmental competition for survival. Nature Neuroscience, 2014, 17, 36-45.	14.8	77
50	Defining functional geneâ€circuit interfaces in the mouse nervous system. Genes, Brain and Behavior, 2014, 13, 2-12.	2.2	9
51	Visualization of plasticity in fear-evoked calcium signals in midbrain dopamine neurons. Learning and Memory, 2014, 21, 575-579.	1.3	35
52	Genetic identification of a neural circuit that suppresses appetite. Nature, 2013, 503, 111-114.	27.8	483
53	Genetic Reconstruction of Dopamine D1 Receptor Signaling in the Nucleus Accumbens Facilitates Natural and Drug Reward Responses. Journal of Neuroscience, 2013, 33, 8640-8649.	3.6	44
54	Disruption of Dopamine Neuron Activity Pattern Regulation through Selective Expression of a Human KCNN3 Mutation. Neuron, 2013, 80, 997-1009.	8.1	60

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55	Manipulating Gene Expression in Projectionâ€Specific Neuronal Populations Using Combinatorial Viral Approaches. Current Protocols in Neuroscience, 2013, 65, 4.35.1-20.	2.6	53
56	Inactivation of Pde8b enhances memory, motor performance, and protects against ageâ€induced motor coordination decay. Genes, Brain and Behavior, 2012, 11, 837-847.	2.2	33
57	Behavioral Effects of Pulp Exposure in Mice Lacking Cannabinoid Receptor 2. Journal of Endodontics, 2012, 38, 86-90.	3.1	18
58	Transient activation of specific neurons in mice by selective expression of the capsaicin receptor. Nature Communications, 2012, 3, 746.	12.8	54
59	Activation of dopamine neurons is critical for aversive conditioning and prevention of generalized anxiety. Nature Neuroscience, 2011, 14, 620-626.	14.8	210
60	Recruitment of Actin Modifiers to TrkA Endosomes Governs Retrograde NGF Signaling and Survival. Cell, 2011, 146, 421-434.	28.9	133
61	A behavioral genetics approach to understanding D1 receptor involvement in phasic dopamine signaling. Molecular and Cellular Neurosciences, 2011, 46, 21-31.	2.2	32
62	Attenuating GABA_AReceptor Signaling in Dopamine Neurons Selectively Enhances Reward Learning and Alters Risk Preference in Mice. Journal of Neuroscience, 2011, 31, 17103-17112.	3.6	48
63	Balanced NMDA receptor activity in dopamine D1 receptor (D1R)- and D2R-expressing medium spiny neurons is required for amphetamine sensitization. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4206-4211.	7.1	59
64	Absence of NMDA receptors in dopamine neurons attenuates dopamine release but not conditioned approach during Pavlovian conditioning. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13491-13496.	7.1	77
65	Disruption of NMDAR-dependent burst firing by dopamine neurons provides selective assessment of phasic dopamine-dependent behavior. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7281-7288.	7.1	360
66	Role of NMDA Receptors in Dopamine Neurons for Plasticity and Addictive Behaviors. Neuron, 2008, 59, 486-496.	8.1	428
67	Functions and mechanisms of retrograde neurotrophin signalling. Nature Reviews Neuroscience, 2005, 6, 615-625.	10.2	371
68	A Mouse Model of Albright Hereditary Osteodystrophy Generated by Targeted Disruption of Exon 1 of the Gnas Gene. Endocrinology, 2005, 146, 4697-4709.	2.8	122
69	A Neurotrophin Signaling Cascade Coordinates Sympathetic Neuron Development through Differential Control of TrkA Trafficking and Retrograde Signaling. Cell, 2004, 118, 243-255.	28.9	342
70	Evidence in Support of Signaling Endosome-Based Retrograde Survival of Sympathetic Neurons. Neuron, 2003, 39, 57-68.	8.1	203
71	Systematic Identification of Splice Variants in Human P/Q-Type Channel Î±₁2.1 Subunits: Implications for Current Density and Ca²⁺-Dependent Inactivation. Journal of Neuroscience, 2002, 22, 10142-10152.	3.6	131
72	The cAMPâ€“Protein Kinase A Signal Transduction Pathway Modulates Ethanol Consumption and Sedative Effects of Ethanol. Journal of Neuroscience, 2001, 21, 5297-5303.	3.6	139

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73	Distinct Encoding of Reward and Aversion by Peptidergic BNST Inputs to the VTA. Frontiers in Neural Circuits, 0, 16, .	2.8	11