

Henry H Yin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

7,811
citations

37
h-index

88
g-index

89
ext. papers

9,275
ext. citations

7.2
avg, IF

6.28
L-index

#	Paper	IF	Citations
76	The role of the basal ganglia in habit formation. <i>Nature Reviews Neuroscience</i> , 2006 , 7, 464-76	13.5	1634
75	Lesions of dorsolateral striatum preserve outcome expectancy but disrupt habit formation in instrumental learning. <i>European Journal of Neuroscience</i> , 2004 , 19, 181-9	3.5	870
74	The role of the dorsomedial striatum in instrumental conditioning. <i>European Journal of Neuroscience</i> , 2005 , 22, 513-23	3.5	733
73	Dynamic reorganization of striatal circuits during the acquisition and consolidation of a skill. <i>Nature Neuroscience</i> , 2009 , 12, 333-41	25.5	540
72	Inactivation of dorsolateral striatum enhances sensitivity to changes in the action-outcome contingency in instrumental conditioning. <i>Behavioural Brain Research</i> , 2006 , 166, 189-96	3.4	369
71	Reward-guided learning beyond dopamine in the nucleus accumbens: the integrative functions of cortico-basal ganglia networks. <i>European Journal of Neuroscience</i> , 2008 , 28, 1437-48	3.5	317
70	Blockade of NMDA receptors in the dorsomedial striatum prevents action-outcome learning in instrumental conditioning. <i>European Journal of Neuroscience</i> , 2005 , 22, 505-12	3.5	306
69	Disrupted motor learning and long-term synaptic plasticity in mice lacking NMDAR1 in the striatum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15254-9	11.5	216
68	Altered mGluR5-Homer scaffolds and corticostriatal connectivity in a Shank3 complete knockout model of autism. <i>Nature Communications</i> , 2016 , 7, 11459	17.4	164
67	Contributions of striatal subregions to place and response learning. <i>Learning and Memory</i> , 2004 , 11, 459-68	16.2	162
66	Frequency-specific and D2 receptor-mediated inhibition of glutamate release by retrograde endocannabinoid signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8251-6	11.5	142
65	Endocannabinoid signaling is critical for habit formation. <i>Frontiers in Integrative Neuroscience</i> , 2007 , 1, 6	3.2	120
64	A wireless multi-channel recording system for freely behaving mice and rats. <i>PLoS ONE</i> , 2011 , 6, e22033	3.7	106
63	Genetic deletion of A2A adenosine receptors in the striatum selectively impairs habit formation. <i>Journal of Neuroscience</i> , 2009 , 29, 15100-3	6.6	101
62	Pathway-Specific Striatal Substrates for Habitual Behavior. <i>Neuron</i> , 2016 , 89, 472-9	13.9	89
61	A craniofacial-specific monosynaptic circuit enables heightened affective pain. <i>Nature Neuroscience</i> , 2017 , 20, 1734-1743	25.5	89
60	Ethanol reverses the direction of long-term synaptic plasticity in the dorsomedial striatum. <i>European Journal of Neuroscience</i> , 2007 , 25, 3226-32	3.5	88

59	Spine pruning drives antipsychotic-sensitive locomotion via circuit control of striatal dopamine. <i>Nature Neuroscience</i> , 2015 , 18, 883-91	25.5	85
58	The sensorimotor striatum is necessary for serial order learning. <i>Journal of Neuroscience</i> , 2010 , 30, 14718-23	8.3	85
57	The role of protein synthesis in striatal long-term depression. <i>Journal of Neuroscience</i> , 2006 , 26, 11811-20.6	20.6	80
56	Huntingtin is required for normal excitatory synapse development in cortical and striatal circuits. <i>Journal of Neuroscience</i> , 2014 , 34, 9455-72	6.6	76
55	Operant self-stimulation of dopamine neurons in the substantia nigra. <i>PLoS ONE</i> , 2013 , 8, e65799	3.7	76
54	Beyond reward prediction errors: the role of dopamine in movement kinematics. <i>Frontiers in Integrative Neuroscience</i> , 2015 , 9, 39	3.2	69
53	A wirelessly controlled implantable LED system for deep brain optogenetic stimulation. <i>Frontiers in Integrative Neuroscience</i> , 2015 , 9, 8	3.2	67
52	Instrumental uncertainty as a determinant of behavior under interval schedules of reinforcement. <i>Frontiers in Integrative Neuroscience</i> , 2010 , 4,	3.2	63
51	Luminopsins integrate opto- and chemogenetics by using physical and biological light sources for opsin activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E358-67	11.5	60
50	Thrombospondin receptor $\alpha 1$ promotes synaptogenesis and spinogenesis via postsynaptic Rac1. <i>Journal of Cell Biology</i> , 2018 , 217, 3747-3765	7.3	60
49	Action, time and the basal ganglia. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20120473	5.8	58
48	Basal ganglia outputs map instantaneous position coordinates during behavior. <i>Journal of Neuroscience</i> , 2015 , 35, 2703-16	6.6	57
47	Instrumental learning in hyperdopaminergic mice. <i>Neurobiology of Learning and Memory</i> , 2006 , 85, 283-83.1	83.1	55
46	Prefrontal cortical mechanisms underlying delayed alternation in mice. <i>Journal of Neurophysiology</i> , 2012 , 108, 1211-22	3.2	54
45	Brain region-specific disruption of Shank3 in mice reveals a dissociation for cortical and striatal circuits in autism-related behaviors. <i>Translational Psychiatry</i> , 2018 , 8, 94	8.6	51
44	Striatal firing rate reflects head movement velocity. <i>European Journal of Neuroscience</i> , 2014 , 40, 3481-90.5	90.5	51
43	Mechanisms of action selection and timing in substantia nigra neurons. <i>Journal of Neuroscience</i> , 2012 , 32, 5534-48	6.6	48
42	The Basal Ganglia in Action. <i>Neuroscientist</i> , 2017 , 23, 299-313	7.6	44

41	A GABAergic nigrotectal pathway for coordination of drinking behavior. <i>Nature Neuroscience</i> , 2016 , 19, 742-748	25.5	41
40	autism mutation targeting giant ankyrin-B promotes axon branching and ectopic connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15262-15271	11.5	37
39	The role of the substantia nigra in posture control. <i>European Journal of Neuroscience</i> , 2014 , 39, 1465-73	3.5	37
38	The role of the murine motor cortex in action duration and order. <i>Frontiers in Integrative Neuroscience</i> , 2009 , 3, 23	3.2	37
37	Striatal fast-spiking interneurons selectively modulate circuit output and are required for habitual behavior. <i>ELife</i> , 2017 , 6,	8.9	37
36	Striatonigral control of movement velocity in mice. <i>European Journal of Neuroscience</i> , 2016 , 43, 1097-1105	3.5	31
35	Methods for studying habitual behavior in mice. <i>Current Protocols in Neuroscience</i> , 2012 , Chapter 8, Unit 8.29	2.7	29
34	The elephantine shape of addiction. <i>Behavioral and Brain Sciences</i> , 2008 , 31, 461-461	0.9	29
33	Bidirectional modulation of substantia nigra activity by motivational state. <i>PLoS ONE</i> , 2013 , 8, e71598	3.7	28
32	Human Umbilical Tissue-Derived Cells Promote Synapse Formation and Neurite Outgrowth via Thrombospondin Family Proteins. <i>Journal of Neuroscience</i> , 2015 , 35, 15649-65	6.6	24
31	Nigrotectal Stimulation Stops Interval Timing in Mice. <i>Current Biology</i> , 2017 , 27, 3763-3770.e3	6.3	20
30	Elevated dopamine alters consummatory pattern generation and increases behavioral variability during learning. <i>Frontiers in Integrative Neuroscience</i> , 2015 , 9, 37	3.2	19
29	Spotlight on movement disorders: What optogenetics has to offer. <i>Movement Disorders</i> , 2015 , 30, 624-317		18
28	How Basal Ganglia Outputs Generate Behavior. <i>Advances in Neuroscience (Hindawi)</i> , 2014 , 2014, 1-28		18
27	Recent Insights into Corticostriatal Circuit Mechanisms underlying Habits: Invited review for Current Opinions in Behavioral Sciences. <i>Current Opinion in Behavioral Sciences</i> , 2018 , 20, 40-46	4	17
26	Precise Coordination of Three-Dimensional Rotational Kinematics by Ventral Tegmental Area GABAergic Neurons. <i>Current Biology</i> , 2019 , 29, 3244-3255.e4	6.3	17
25	Striatal Projection Neurons Require Huntingtin for Synaptic Connectivity and Survival. <i>Cell Reports</i> , 2020 , 30, 642-657.e6	10.6	16
24	Region-specific impairments in striatal synaptic transmission and impaired instrumental learning in a mouse model of Angelman syndrome. <i>European Journal of Neuroscience</i> , 2014 , 39, 1018-1025	3.5	16

23	Dynamic changes in single unit activity and oscillations in a thalamocortical circuit during rapid instrumental learning. <i>PLoS ONE</i> , 2012 , 7, e50578	3.7	15
22	Thalamic projections to the subthalamic nucleus contribute to movement initiation and rescue of parkinsonian symptoms. <i>Science Advances</i> , 2021 , 7,	14.3	15
21	A striatal interneuron circuit for continuous target pursuit. <i>Nature Communications</i> , 2019 , 10, 2715	17.4	14
20	Ventral Tegmental Dopamine Neurons Control the Impulse Vector during Motivated Behavior. <i>Current Biology</i> , 2020 , 30, 2681-2694.e5	6.3	14
19	The role of mediodorsal thalamus in temporal differentiation of reward-guided actions. <i>Frontiers in Integrative Neuroscience</i> , 2010 , 4,	3.2	14
18	The Basal Ganglia and Hierarchical Control in Voluntary Behavior. <i>Innovations in Cognitive Neuroscience</i> , 2016 , 513-566		11
17	The role of pedunclopontine nucleus in choice behavior under risk. <i>European Journal of Neuroscience</i> , 2014 , 39, 1664-70	3.5	11
16	Motivational state and reward content determine choice behavior under risk in mice. <i>PLoS ONE</i> , 2011 , 6, e25342	3.7	11
15	Opponent regulation of action performance and timing by striatonigral and striatopallidal pathways. <i>ELife</i> , 2020 , 9,	8.9	8
14	From actions to habits: neuroadaptations leading to dependence. <i>Alcohol Research</i> , 2008 , 31, 340-4		7
13	Cortico-Basal Ganglia Networks and the Neural Substrates of Actions 2014 , 29-47		6
12	Dysregulation of the Synaptic Cytoskeleton in the PFC Drives Neural Circuit Pathology, Leading to Social Dysfunction. <i>Cell Reports</i> , 2020 , 32, 107965	10.6	6
11	Mediodorsal Thalamus Contributes to the Timing of Instrumental Actions. <i>Journal of Neuroscience</i> , 2020 , 40, 6379-6388	6.6	5
10	The Role of the Dorsal Striatum in Instrumental Conditioning. <i>NeuroMethods</i> , 2011 , 55-69	0.4	5
9	The role of opponent basal ganglia outputs in behavior. <i>Future Neurology</i> , 2016 , 11, 149-169	1.5	4
8	A Head-Fixation System for Continuous Monitoring of Force Generated During Behavior. <i>Frontiers in Integrative Neuroscience</i> , 2020 , 14, 11	3.2	2
7	Opponent regulation of action performance and timing by striatonigral and striatopallidal pathways		1
6	Mediodorsal thalamus contributes to the timing of instrumental actions		1

5	Protocol for Recording from Ventral Tegmental Area Dopamine Neurons in Mice while Measuring Force during Head-Fixation. <i>STAR Protocols</i> , 2020 , 1, 100091	1.4	1
4	Hypothalamic-Extended Amygdala Circuit Regulates Temporal Discounting. <i>Journal of Neuroscience</i> , 2021 , 41, 1928-1940	6.6	1
3	Achieving natural behavior in a robot using neurally inspired hierarchical perceptual control. <i>iScience</i> , 2021 , 24, 102948	6.1	1
2	Striatal Dopamine and Glutamate in Action. <i>Frontiers in Neuroscience</i> , 2011 , 203-226		
1	Closing the loop on models of interval timing.. <i>Nature Neuroscience</i> , 2022 , 25, 270-271	25.5	