Henry H Yin

List of Publications by Year in Descending Order

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	Closing the loop on models of interval timing.. *Nature Neuroscience*, **2022**, 25, 270-271	25.5	
75	Hypothalamic-Extended Amygdala Circuit Regulates Temporal Discounting. *Journal of Neuroscience* , **2021**, 41, 1928-1940	6.6	1
74	Thalamic projections to the subthalamic nucleus contribute to movement initiation and rescue of parkinsonian symptoms. *Science Advances*, **2021**, 7,	14.3	15
73	Achieving natural behavior in a robot using neurally inspired hierarchical perceptual control. *IScience*, **2021**, 24, 102948	6.1	1
72	Mediodorsal Thalamus Contributes to the Timing of Instrumental Actions. *Journal of Neuroscience*, **2020**, 40, 6379-6388	6.6	5
71	A Head-Fixation System for Continuous Monitoring of Force Generated During Behavior. *Frontiers in Integrative Neuroscience*, **2020**, 14, 11	3.2	2
70	Ventral Tegmental Dopamine Neurons Control the Impulse Vector during Motivated Behavior. *Current Biology*, **2020**, 30, 2681-2694.e5	6.3	14
69	Striatal Projection Neurons Require Huntingtin for Synaptic Connectivity and Survival. *Cell Reports*, **2020**, 30, 642-657.e6	10.6	16
68	Opponent regulation of action performance and timing by striatonigral and striatopallidal pathways. *ELife*, **2020**, 9,	8.9	8
67	Dysregulation of the Synaptic Cytoskeleton in the PFC Drives Neural Circuit Pathology, Leading to Social Dysfunction. *Cell Reports*, **2020**, 32, 107965	10.6	6
66	Protocol for Recording from Ventral Tegmental Area Dopamine Neurons in Mice while Measuring Force during Head-Fixation. *STAR Protocols*, **2020**, 1, 100091	1.4	1
65	A striatal interneuron circuit for continuous target pursuit. *Nature Communications*, **2019**, 10, 2715	17.4	14
64	autism mutation targeting giant ankyrin-B promotes axon branching and ectopic connectivity. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 15262-15271	11.5	37
63	Precise Coordination of Three-Dimensional Rotational Kinematics by Ventral Tegmental Area GABAergic Neurons. *Current Biology*, **2019**, 29, 3244-3255.e4	6.3	17
62	Brain region-specific disruption of Shank3 in mice reveals a dissociation for cortical and striatal circuits in autism-related behaviors. *Translational Psychiatry*, **2018**, 8, 94	8.6	51
61	Recent Insights into Corticostriatal Circuit Mechanisms underlying Habits: Invited review for Current Opinions in Behavioral Sciences. *Current Opinion in Behavioral Sciences*, **2018**, 20, 40-46	4	17
60	Thrombospondin receptor α2δ1 promotes synaptogenesis and spinogenesis via postsynaptic Rac1. *Journal of Cell Biology*, **2018**, 217, 3747-3765	7.3	60

59	The Basal Ganglia in Action. *Neuroscientist*, **2017**, 23, 299-313	7.6	44
58	Nigrotectal Stimulation Stops Interval Timing in Mice. *Current Biology*, **2017**, 27, 3763-3770.e3	6.3	20
57	A craniofacial-specific monosynaptic circuit enables heightened affective pain. *Nature Neuroscience*, **2017**, 20, 1734-1743	25.5	89
56	Striatal fast-spiking interneurons selectively modulate circuit output and are required for habitual behavior. *ELife*, **2017**, 6,	8.9	37
55	The Basal Ganglia and Hierarchical Control in Voluntary Behavior. *Innovations in Cognitive Neuroscience*, **2016**, 513-566		11
54	Altered mGluR5-Homer scaffolds and corticostriatal connectivity in a Shank3 complete knockout model of autism. *Nature Communications*, **2016**, 7, 11459	17.4	164
53	Pathway-Specific Striatal Substrates for Habitual Behavior. *Neuron*, **2016**, 89, 472-9	13.9	89
52	Luminopsins integrate opto- and chemogenetics by using physical and biological light sources for opsin activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E358-67	11.5	60
51	Striatonigral control of movement velocity in mice. *European Journal of Neuroscience*, **2016**, 43, 1097-110	3.5	31
50	A GABAergic nigrotectal pathway for coordination of drinking behavior. *Nature Neuroscience*, **2016**, 19, 742-748	25.5	41
49	The role of opponent basal ganglia outputs in behavior. *Future Neurology*, **2016**, 11, 149-169	1.5	4
48	Basal ganglia outputs map instantaneous position coordinates during behavior. *Journal of Neuroscience*, **2015**, 35, 2703-16	6.6	57
47	Spotlight on movement disorders: What optogenetics has to offer. *Movement Disorders*, **2015**, 30, 624-31	7	18
46	A wirelessly controlled implantable LED system for deep brain optogenetic stimulation. *Frontiers in Integrative Neuroscience*, **2015**, 9, 8	3.2	67
45	Spine pruning drives antipsychotic-sensitive locomotion via circuit control of striatal dopamine. *Nature Neuroscience*, **2015**, 18, 883-91	25.5	85
44	Human Umbilical Tissue-Derived Cells Promote Synapse Formation and Neurite Outgrowth via Thrombospondin Family Proteins. *Journal of Neuroscience*, **2015**, 35, 15649-65	6.6	24
43	Elevated dopamine alters consummatory pattern generation and increases behavioral variability during learning. *Frontiers in Integrative Neuroscience*, **2015**, 9, 37	3.2	19
42	Beyond reward prediction errors: the role of dopamine in movement kinematics. *Frontiers in Integrative Neuroscience*, **2015**, 9, 39	3.2	69

41	The role of the substantia nigra in posture control. *European Journal of Neuroscience*, **2014**, 39, 1465-73	3.5	37
40	Region-specific impairments in striatal synaptic transmission and impaired instrumental learning in a mouse model of Angelman syndrome. *European Journal of Neuroscience*, **2014**, 39, 1018-1025	3.5	16
39	Huntingtin is required for normal excitatory synapse development in cortical and striatal circuits. *Journal of Neuroscience*, **2014**, 34, 9455-72	6.6	76
38	Action, time and the basal ganglia. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20120473	5.8	58
37	How Basal Ganglia Outputs Generate Behavior. *Advances in Neuroscience (Hindawi)*, **2014**, 2014, 1-28		18
36	Striatal firing rate reflects head movement velocity. *European Journal of Neuroscience*, **2014**, 40, 3481-90	3.5	51
35	The role of pedunculopontine nucleus in choice behavior under risk. *European Journal of Neuroscience*, **2014**, 39, 1664-70	3.5	11
34	Cortico-Basal Ganglia Networks and the Neural Substrates of Actions **2014**, 29-47		6
33	Operant self-stimulation of dopamine neurons in the substantia nigra. *PLoS ONE*, **2013**, 8, e65799	3.7	76
32	Bidirectional modulation of substantia nigra activity by motivational state. *PLoS ONE*, **2013**, 8, e71598	3.7	28
31	Mechanisms of action selection and timing in substantia nigra neurons. *Journal of Neuroscience*, **2012**, 32, 5534-48	6.6	48
30	Methods for studying habitual behavior in mice. *Current Protocols in Neuroscience*, **2012**, Chapter 8, Unit 8.29	2.7	29
29	Prefrontal cortical mechanisms underlying delayed alternation in mice. *Journal of Neurophysiology*, **2012**, 108, 1211-22	3.2	54
28	Dynamic changes in single unit activity and oscillations in a thalamocortical circuit during rapid instrumental learning. *PLoS ONE*, **2012**, 7, e50578	3.7	15
27	Motivational state and reward content determine choice behavior under risk in mice. *PLoS ONE*, **2011**, 6, e25342	3.7	11
26	Striatal Dopamine and Glutamate in Action. *Frontiers in Neuroscience*, **2011**, 203-226		
25	A wireless multi-channel recording system for freely behaving mice and rats. *PLoS ONE*, **2011**, 6, e22033	3.7	106
24	The Role of the Dorsal Striatum in Instrumental Conditioning. *Neuromethods*, **2011**, 55-69	0.4	5

23	The role of mediodorsal thalamus in temporal differentiation of reward-guided actions. *Frontiers in Integrative Neuroscience*, **2010**, 4,	3.2	14
22	Instrumental uncertainty as a determinant of behavior under interval schedules of reinforcement. *Frontiers in Integrative Neuroscience*, **2010**, 4,	3.2	63
21	The sensorimotor striatum is necessary for serial order learning. *Journal of Neuroscience*, **2010**, 30, 14719-23	6.6	85
20	The role of the murine motor cortex in action duration and order. *Frontiers in Integrative Neuroscience*, **2009**, 3, 23	3.2	37
19	Genetic deletion of A2A adenosine receptors in the striatum selectively impairs habit formation. *Journal of Neuroscience*, **2009**, 29, 15100-3	6.6	101
18	Dynamic reorganization of striatal circuits during the acquisition and consolidation of a skill. *Nature Neuroscience*, **2009**, 12, 333-41	25.5	540
17	Reward-guided learning beyond dopamine in the nucleus accumbens: the integrative functions of cortico-basal ganglia networks. *European Journal of Neuroscience*, **2008**, 28, 1437-48	3.5	317
16	The elephantine shape of addiction. *Behavioral and Brain Sciences*, **2008**, 31, 461-461	0.9	29
15	From actions to habits: neuroadaptations leading to dependence. *Alcohol Research*, **2008**, 31, 340-4		7
14	Endocannabinoid signaling is critical for habit formation. *Frontiers in Integrative Neuroscience*, **2007**, 1, 6	3.2	120
13	Ethanol reverses the direction of long-term synaptic plasticity in the dorsomedial striatum. *European Journal of Neuroscience*, **2007**, 25, 3226-32	3.5	88
12	Disrupted motor learning and long-term synaptic plasticity in mice lacking NMDAR1 in the striatum. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 15254-9	11.5	216
11	The role of protein synthesis in striatal long-term depression. *Journal of Neuroscience*, **2006**, 26, 11811-20	6.6	80
10	Frequency-specific and D2 receptor-mediated inhibition of glutamate release by retrograde endocannabinoid signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 8251-6	11.5	142
9	Inactivation of dorsolateral striatum enhances sensitivity to changes in the action-outcome contingency in instrumental conditioning. *Behavioural Brain Research*, **2006**, 166, 189-96	3.4	369
8	Instrumental learning in hyperdopaminergic mice. *Neurobiology of Learning and Memory*, **2006**, 85, 283-8	3.1	55
7	The role of the basal ganglia in habit formation. *Nature Reviews Neuroscience*, **2006**, 7, 464-76	13.5	1634
6	The role of the dorsomedial striatum in instrumental conditioning. *European Journal of Neuroscience*, **2005**, 22, 513-23	3.5	733

5	Blockade of NMDA receptors in the dorsomedial striatum prevents action-outcome learning in instrumental conditioning. *European Journal of Neuroscience*, **2005**, 22, 505-12	3.5	306
4	Contributions of striatal subregions to place and response learning. *Learning and Memory*, **2004**, 11, 459-68	2.8	162
3	Lesions of dorsolateral striatum preserve outcome expectancy but disrupt habit formation in instrumental learning. *European Journal of Neuroscience*, **2004**, 19, 181-9	3.5	870
2	Opponent regulation of action performance and timing by striatonigral and striatopallidal pathways		1
1	Mediodorsal thalamus contributes to the timing of instrumental actions		1