Patricia H Janak

List of Publications by Year
in descending order

128 papers	11,667 citations	25014 57 h-index	32815 100 g-index
142 all docs	142 docs citations	142 times ranked	10186 citing authors

#	Article	IF	Citations
1	From circuits to behaviour in the amygdala. Nature, 2015, 517, 284-292.	13.7	1,508
2	A causal link between prediction errors, dopamine neurons and learning. Nature Neuroscience, 2013, 16, 966-973.	7.1	723
3	Recombinase-Driver Rat Lines: Tools, Techniques, and Optogenetic Application to Dopamine-Mediated Reinforcement. Neuron, 2011, 72, 721-733.	3.8	593
4	Habitual Alcohol Seeking: Time Course and the Contribution of Subregions of the Dorsal Striatum. Biological Psychiatry, 2012, 72, 389-395.	0.7	426
5	Dopamine neurons create Pavlovian conditioned stimuli with circuit-defined motivational properties. Nature Neuroscience, 2018, 21, 1072-1083.	7.1	286
6	Dopamine Prediction Errors in Reward Learning and Addiction: From Theory to Neural Circuitry. Neuron, 2015, 88, 247-263.	3.8	281
7	RACK1 and Brain-Derived Neurotrophic Factor: A Homeostatic Pathway That Regulates Alcohol Addiction. Journal of Neuroscience, 2004, 24, 10542-10552.	1.7	228
8	Rapid strengthening of thalamo-amygdala synapses mediates cueâ€"reward learning. Nature, 2008, 453, 1253-1257.	13.7	194
9	General and outcomeâ€specific forms of Pavlovianâ€instrumental transfer: the effect of shifts in motivational state and inactivation of the ventral tegmental area. European Journal of Neuroscience, 2007, 26, 3141-3149.	1.2	183
10	Ethanol Induces Long-Term Facilitation of NR2B-NMDA Receptor Activity in the Dorsal Striatum: Implications for Alcohol Drinking Behavior. Journal of Neuroscience, 2007, 27, 3593-3602.	1.7	169
11	Anxiogenic and aversive effects of corticotropin-releasing factor (CRF) in the bed nucleus of the stria terminalis in the rat: role of CRF receptor subtypes. Psychopharmacology, 2006, 186, 122-132.	1.5	168
12	Endogenous BDNF in the Dorsolateral Striatum Gates Alcohol Drinking. Journal of Neuroscience, 2009, 29, 13494-13502.	1.7	167
13	Disruption of alcohol-related memories by mTORC1 inhibition prevents relapse. Nature Neuroscience, 2013, 16, 1111-1117.	7.1	165
14	Substantial similarity in amygdala neuronal activity during conditioned appetitive and aversive emotional arousal. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15031-15036.	3.3	162
15	Glial Cell Line-Derived Neurotrophic Factor Mediates the Desirable Actions of the Anti-Addiction Drug Ibogaine against Alcohol Consumption. Journal of Neuroscience, 2005, 25, 619-628.	1.7	155
16	Separable Roles of the Nucleus Accumbens Core and Shell in Context- and Cue-Induced Alcohol-Seeking. Neuropsychopharmacology, 2010, 35, 783-791.	2.8	150
17	Ethanol-Associated Cues Produce General Pavlovian-Instrumental Transfer. Alcoholism: Clinical and Experimental Research, 2007, 31, 766-774.	1.4	149
18	Comparison of Mesocorticolimbic Neuronal Responses During Cocaine and Heroin Self-Administration in Freely Moving Rats. Journal of Neuroscience, 1998, 18, 3098-3115.	1.7	136

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19	Context is a trigger for relapse to alcohol. Behavioural Brain Research, 2006, 167, 150-155.	1.2	130
20	Î²Î³ Dimers Mediate Synergy of Dopamine D2 and Adenosine A2 Receptor-Stimulated PKA Signaling and Regulate Ethanol Consumption. Cell, 2002, 109, 733-743.	13.5	126
21	Essential function of HIPK2 in TGFÎ²-dependent survival of midbrain dopamine neurons. Nature Neuroscience, 2007, 10, 77-86.	7.1	126
22	Posterior dorsomedial striatum is critical for both selective instrumental and Pavlovian reward learning. European Journal of Neuroscience, 2010, 31, 1312-1321.	1.2	126
23	Neurosteroids Mediate Pharmacological Effects of Ethanol: A New Mechanism of Ethanol Action?. Alcoholism: Clinical and Experimental Research, 1999, 23, 1933-1940.	1.4	122
24	Optogenetics: 10 years after ChR2 in neuronsâ€"views from the community. Nature Neuroscience, 2015, 18, 1202-1212.	7.1	122
25	The mGluR5 Antagonist 6-Methyl-2-(phenylethynyl)pyridine Decreases Ethanol Consumption via a Protein Kinase CÏµ-Dependent Mechanism. Molecular Pharmacology, 2005, 67, 349-355.	1.0	119
26	Safety Encoding in the Basal Amygdala. Journal of Neuroscience, 2013, 33, 3744-3751.	1.7	119
27	Positive Reinforcement Mediated by Midbrain Dopamine Neurons Requires D1 and D2 Receptor Activation in the Nucleus Accumbens. PLoS ONE, 2014, 9, e94771.	1.1	119
28	GDNF is a fast-acting potent inhibitor of alcohol consumption and relapse. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8114-8119.	3.3	117
29	Comparison of the effects of allopregnanolone with direct GABAergic agonists on ethanol self-administration with and without concurrently available sucrose. Alcohol, 2003, 30, 1-7.	0.8	113
30	Amygdala Neurons Differentially Encode Motivation and Reinforcement. Journal of Neuroscience, 2007, 27, 3937-3945.	1.7	111
31	Inactivation of the Lateral But Not Medial Dorsal Striatum Eliminates the Excitatory Impact of Pavlovian Stimuli on Instrumental Responding. Journal of Neuroscience, 2007, 27, 13977-13981.	1.7	109
32	A Transgenic Rat for Investigating the Anatomy and Function of Corticotrophin Releasing Factor Circuits. Frontiers in Neuroscience, 2015, 9, 487.	1.4	107
33	Ventral Pallidum Neurons Encode Incentive Value and Promote Cue-Elicited Instrumental Actions. Neuron, 2016, 90, 1165-1173.	3.8	107
34	Escalating ethanol intake is associated with altered corticostriatal <i>BDNF</i> expression. Journal of Neurochemistry, 2009, 109, 1459-1468.	2.1	105
35	The Reinforcing Effects of Ethanol Are Altered by the Endogenous Neurosteroid, Allopregnanolone. Alcoholism: Clinical and Experimental Research, 1998, 22, 1106-1112.	1.4	104
36	The Dopamine D3 Receptor Is Part of a Homeostatic Pathway Regulating Ethanol Consumption. Journal of Neuroscience, 2006, 26, 1457-1464.	1.7	99

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37	Ethanol seeking triggered by environmental context is attenuated by blocking dopamine D1 receptors in the nucleus accumbens core and shell in rats. Psychopharmacology, 2009, 207, 303-314.	1.5	95
38	Habitual responding for alcohol depends upon both AMPA and D2 receptor signaling in the dorsolateral striatum. Frontiers in Behavioral Neuroscience, 2014, 8, 301.	1.0	92
39	Habitual Alcohol Seeking: Neural Bases and Possible Relations to Alcohol Use Disorders. Alcoholism: Clinical and Experimental Research, 2016, 40, 1380-1389.	1.4	91
40	Ventral pallidum encodes relative reward value earlier and more robustly than nucleus accumbens. Nature Communications, 2018, 9, 4350.	5.8	91
41	Ventral Tegmental Dopamine Neurons Participate in Reward Identity Predictions. Current Biology, 2019, 29, 93-103.e3.	1.8	89
42	Fyn Kinase and NR2B-Containing NMDA Receptors Regulate Acute Ethanol Sensitivity But Not Ethanol Intake or Conditioned Reward. Alcoholism: Clinical and Experimental Research, 2003, 27, 1736-1742.	1.4	88
43	Dynorphin is a downstream effector of striatal BDNF regulation of ethanol intake. FASEB Journal, 2008, 22, 2393-2404.	0.2	86
44	Context-Induced Relapse of Conditioned Behavioral Responding to Ethanol Cues in Rats. Biological Psychiatry, 2008, 64, 203-210.	0.7	84
45	The nucleus accumbens core and shell are critical for the expression, but not the consolidation, of Pavlovian conditioned approach. Behavioural Brain Research, 2009, 200, 22-32.	1.2	82
46	Ethanol Operant Self-Administration in Rats Is Regulated by Adenosine A2 Receptors. Alcoholism: Clinical and Experimental Research, 2004, 28, 1308-1316.	1.4	81
47	Extrasynaptic Î´-containing GABA _A receptors in the nucleus accumbens dorsomedial shell contribute to alcohol intake. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4459-4464.	3.3	80
48	Amygdala Neural Encoding of the Absence of Reward during Extinction. Journal of Neuroscience, 2010, 30, 116-125.	1.7	75
49	Reinstated ethanolâ€seeking in rats is modulated by environmental context and requires the nucleus accumbens core. European Journal of Neuroscience, 2008, 28, 2288-2298.	1.2	73
50	Nucleus accumbens AGS3 expression drives ethanol seeking through GÎ²Î³. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12533-12538.	3.3	73
51	Methylphenidate facilitates learning-induced amygdala plasticity. Nature Neuroscience, 2010, 13, 475-481.	7.1	69
52	In Vivo Extracellular Recording of Striatal Neurons in the Awake Rat Following Unilateral 6-Hydroxydopamine Lesions. Experimental Neurology, 2001, 171, 72-83.	2.0	68
53	Comparison of reinstatement of ethanol- and sucrose-seeking by conditioned stimuli and priming injections of allopregnanolone after extinction in rats. Psychopharmacology, 2003, 168, 222-228.	1.5	68
54	Optogenetic activation of amygdala projections to nucleus accumbens can arrest conditioned and unconditioned alcohol consummatory behavior. Neuroscience, 2017, 360, 106-117.	1.1	67

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55	Neuronal responses in prefrontal cortex and nucleus accumbens during heroin self-administration in freely moving rats. Brain Research, 1997, 754, 12-20.	1.1	66
56	Altered glutamatergic neurotransmission in the striatum regulates ethanol sensitivity and intake in mice lacking ENT1. Behavioural Brain Research, 2010, 208, 636-642.	1.2	64
57	Effect of the mGluR5 antagonist 6-methyl-2-(phenylethynyl)pyridine (MPEP) on the acute locomotor stimulant properties of cocaine, d-amphetamine, and the dopamine reuptake inhibitor GBR12909 in mice. Psychopharmacology, 2004, 174, 266-73.	1.5	62
58	Î±4-Containing GABA_AReceptors in the Nucleus Accumbens Mediate Moderate Intake of Alcohol. Journal of Neuroscience, 2009, 29, 543-549.	1.7	62
59	Blockade of ethanol reward by the kappa opioid receptor agonist U50,488H. Alcohol, 2009, 43, 359-365.	0.8	61
60	<scp>BDNF</scp>â€mediated regulation of ethanol consumption requires the activation of the <scp>MAP</scp> kinase pathway and protein synthesis. European Journal of Neuroscience, 2013, 37, 607-612.	1.2	61
61	Nucleus Accumbens and Posterior Amygdala Mediate Cue-Triggered Alcohol Seeking and Suppress Behavior During the Omission of Alcohol-Predictive Cues. Neuropsychopharmacology, 2015, 40, 2555-2565.	2.8	60
62	Distinct recruitment of dorsomedial and dorsolateral striatum erodes with extended training. ELife, 2019, 8, .	2.8	60
63	A quantitative reward prediction error signal in the ventral pallidum. Nature Neuroscience, 2020, 23, 1267-1276.	7.1	56
64	Neuronal spike activity in the nucleus accumbens of behaving rats during ethanol self-administration. Brain Research, 1999, 817, 172-184.	1.1	55
65	Alcohol-Seeking Triggered by Discrete Pavlovian Cues is Invigorated by Alcohol Contexts and Mediated by Glutamate Signaling in the Basolateral Amygdala. Neuropsychopharmacology, 2015, 40, 2801-2812.	2.8	55
66	Alcohol seeking in C57BL/6 mice induced by conditioned cues and contexts in the extinction-reinstatement model. Alcohol, 2006, 38, 81-88.	0.8	52
67	Defining the place of habit in substance use disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 87, 22-32.	2.5	52
68	Deepened extinction following compound stimulus presentation: Noradrenergic modulation. Learning and Memory, 2011, 18, 1-10.	0.5	48
69	Longâ€lasting contribution of dopamine in the nucleus accumbens core, but not dorsal lateral striatum, to signâ€tracking. European Journal of Neuroscience, 2017, 46, 2047-2055.	1.2	48
70	The Potent Effect of Environmental Context on Relapse to Alcohol- Seeking After Extinction~!2009-10-07~!2010-02-08~!2010-04-09~!. The Open Addiction Journal, 2010, 3, 76-87.	0.5	47
71	Post-training, but not post-reactivation, administration of amphetamine and anisomycin modulates Pavlovian conditioned approach. Neurobiology of Learning and Memory, 2007, 87, 644-658.	1.0	43
72	Lever Insertion as a Salient Stimulus Promoting Insensitivity to Outcome Devaluation. Frontiers in Integrative Neuroscience, 2017, 11, 23.	1.0	43

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73	Mesolimbic Neuronal Activity across Behavioral States. Annals of the New York Academy of Sciences, 1999, 877, 91-112.	1.8	41
74	Establishing causality for dopamine in neural function and behavior with optogenetics. Brain Research, 2013, 1511, 46-64.	1.1	41
75	GDNF is an Endogenous Negative Regulator of Ethanolâ€Mediated Reward and of Ethanol Consumption After a Period of Abstinence. Alcoholism: Clinical and Experimental Research, 2009, 33, 1012-1024.	1.4	40
76	Cabergoline Decreases Alcohol Drinking and Seeking Behaviors Via Glial Cell Line-Derived Neurotrophic Factor. Biological Psychiatry, 2009, 66, 146-153.	0.7	40
77	Nucleus accumbens core and shell are differentially involved in general and outcomeâ€specific forms of Pavlovianâ€instrumental transfer with alcohol and sucrose rewards. European Journal of Neuroscience, 2016, 43, 1229-1236.	1.2	40
78	Long-range orbitofrontal and amygdala axons show divergent patterns of maturation in the frontal cortex across adolescence. Developmental Cognitive Neuroscience, 2016, 18, 113-120.	1.9	40
79	Microinjection of Glycine into the Ventral Tegmental Area Selectively Decreases Ethanol Consumption. Journal of Pharmacology and Experimental Therapeutics, 2012, 341, 196-204.	1.3	39
80	Consolidating the Circuit Model for Addiction. Annual Review of Neuroscience, 2021, 44, 173-195.	5.0	39
81	<scp>P</scp>avlovianâ€conditioned alcoholâ€seeking behavior in rats is invigorated by the interaction between discrete and contextual alcohol cues: implications for relapse. Brain and Behavior, 2014, 4, 278-289.	1.0	37
82	Error-Driven Learning: Dopamine Signals More Than Value-Based Errors. Current Biology, 2017, 27, R1321-R1324.	1.8	37
83	Inhibiting Mesolimbic Dopamine Neurons Reduces the Initiation and Maintenance of Instrumental Responding. Neuroscience, 2018, 372, 306-315.	1.1	37
84	Ventral pallidal encoding of reward-seeking behavior depends on the underlying associative structure. ELife, 2018, 7, .	2.8	37
85	The Potent Effect of Environmental Context on Relapse to Alcohol- Seeking After Extinction. The Open Addiction Journal, 2013, 3, 76-87.	0.5	37
86	Reduced conditioned fear response in mice that lack Dlx1 and show subtype-specific loss of interneurons. Journal of Neurodevelopmental Disorders, 2009, 1, 224-236.	1.5	36
87	The Small G Protein H-Ras in the Mesolimbic System Is a Molecular Gateway to Alcohol-Seeking and Excessive Drinking Behaviors. Journal of Neuroscience, 2012, 32, 15849-15858.	1.7	36
88	Dissociable Roles of the Medial Prefrontal Cortex and Nucleus Accumbens Core in Goal-Directed Actions for Differential Reward Magnitude. Cerebral Cortex, 2010, 20, 2884-2899.	1.6	35
89	GDNF and Addiction. Reviews in the Neurosciences, 2005, 16, 277-85.	1.4	34
90	The Orbitofrontal Cortex as Part of a Hierarchical Neural System Mediating Choice between Two Good Options. Journal of Neuroscience, 2013, 33, 15989-15998.	1.7	34

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91	Dynamics of neural coding in the accumbens during extinction and reinstatement of rewarded behavior. Behavioural Brain Research, 2004, 154, 125-135.	1.2	33
92	Post-training and post-reactivation administration of amphetamine enhances morphine conditioned place preference. Behavioural Brain Research, 2006, 171, 329-337.	1.2	33
93	Compound Stimulus Presentation and the Norepinephrine Reuptake Inhibitor Atomoxetine Enhance Long-Term Extinction of Cocaine-Seeking Behavior. Neuropsychopharmacology, 2012, 37, 975-985.	2.8	32
94	Alpha4 subunitâ€containing GABA_A receptors in the accumbens shell contribute to the reinforcing effects of alcohol. Addiction Biology, 2012, 17, 309-321.	1.4	31
95	Behavioral assessment of forgetting in aged rodents and its relationship to peripheral sympathetic function. Neurobiology of Aging, 1988, 9, 697-708.	1.5	30
96	Contemporary approaches to neural circuit manipulation and mapping: focus on reward and addiction. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140210.	1.8	30
97	Changes in the Influence of Alcohol-Paired Stimuli on Alcohol Seeking across Extended Training. Frontiers in Psychiatry, 2016, 7, 169.	1.3	30
98	Dopaminergic Regulation of Nucleus Accumbens Cholinergic Interneurons Demarcates Susceptibility to Cocaine Addiction. Biological Psychiatry, 2020, 88, 746-757.	0.7	30
99	Cocaine and amphetamine facilitate retention of jump-up responding in rats. Pharmacology Biochemistry and Behavior, 1992, 41, 837-840.	1.3	24
100	Acamprosate attenuates cocaine- and cue-induced reinstatement of cocaine-seeking behavior in rats. Psychopharmacology, 2007, 195, 397-406.	1.5	24
101	Cocaine enhances retention of avoidance conditioning in rats. Psychopharmacology, 1992, 106, 383-387.	1.5	23
102	Responses to ethanol in C57BL/6 versus C57BL/6 Ã— 129 hybrid mice. Brain and Behavior, 2012, 2, 22-31.	1.0	23
103	Reward activity in ventral pallidum tracks satiety-sensitive preference and drives choice behavior. Science Advances, 2020, 6, .	4.7	20
104	Ethanol Action on Neural Networks Studied with Multineuron Recording in Freely Moving Animals. Alcoholism: Clinical and Experimental Research, 1998, 22, 10-22.	1.4	18
105	PRECLINICAL STUDY: A microdialysis study of extracellular levels of acamprosate and naltrexone in the rat brain following acute and repeated administration. Addiction Biology, 2008, 13, 70-79.	1.4	17
106	Decreases in Cued Reward Seeking After Reward-Paired Inhibition of Mesolimbic Dopamine. Neuroscience, 2019, 412, 259-269.	1.1	17
107	Recruitment and disruption of ventral pallidal cue encoding during alcohol seeking. European Journal of Neuroscience, 2019, 50, 3428-3444.	1.2	16
108	Similar Neural Activity during Fear and Disgust in the Rat Basolateral Amygdala. PLoS ONE, 2011, 6, e27797.	1.1	13

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109	Only tyrosine-containing metabolites of [Leu]Enkephalin impair active avoidance conditioning in mice. Pharmacology Biochemistry and Behavior, 1990, 37, 655-659.	1.3	12
110	Optogenetic induction of orbitostriatal long-term potentiation in the dorsomedial striatum elicits a persistent reduction of alcohol-seeking behavior in rats. Neuropharmacology, 2021, 191, 108560.	2.0	12
111	[Leu]Enkephalin Enhances Active Avoidance Conditioning in Rats and Mice. Neuropsychopharmacology, 1994, 10, 53-60.	2.8	11
112	Occasion setters attain incentive motivational value: implications for contextual influences on reward-seeking. Learning and Memory, 2019, 26, 291-298.	0.5	11
113	Cocaine enhances one-way avoidance responding in mice. Pharmacology Biochemistry and Behavior, 1992, 41, 851-854.	1.3	9
114	Two Metabolites of [Leu]enkephalin, Tyr-Gly and Tyr-Gly-Gly-Phe, Impair Acquisition of an Active Avoidance Response in Mice. Psychological Science, 1990, 1, 205-208.	1.8	8
115	Dorsomedial Striatal Activity Tracks Completion of Behavioral Sequences in Rats. ENeuro, 2021, 8, ENEURO.0279-21.2021.	0.9	8
116	Maintained goal-directed control with overtraining on ratio schedules. Learning and Memory, 2021, 28, 435-439.	0.5	7
117	Rapid decay of cocaine-induced behavioral sensitization of locomotor behavior. Behavioural Brain Research, 1997, 88, 195-199.	1.2	5
118	Uptake and metabolism of [3H]-Leu-enkephalin following either its intraperitoneal or subcutaneous administration to mice. Peptides, 1992, 13, 551-555.	1.2	4
119	How Does Drug Use Shift the Balance Between Model-Based and Model-Free Control of Decision Making?. Biological Psychiatry, 2019, 85, 886-888.	0.7	4
120	Multichannel Neural Ensemble Recording During Alcohol Self- Administration. Frontiers in Neuroscience, 2002, , .	0.0	4
121	Nucleus Accumbens Plasticity Underlies Multifaceted Behavioral Changes Associated with Addiction. Biological Psychiatry, 2014, 75, 92-93.	0.7	3
122	Brain circuits of compulsive drug addiction identified. Nature, 2018, 564, 349-350.	13.7	3
123	Stressing the other paraventricular nucleus. Nature Neuroscience, 2018, 21, 901-902.	7.1	2
124	Ethanol Action on Neural Networks Studied with Multineuron Recording in Freely Moving Animals. , 1998, 22, 10.		2
125	Extrasynaptic GABAA Receptors and Alcohol. , 2014, , 251-265.		0
126	In memoriamâ€"Joe L. Martinez, Jr. (1944â€"2020). Neuropsychopharmacology, 2021, 46, 1057-1057.	2.8	0

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127	From Behavior to Brain: How Behavior Guides Reductionistic Analysis. PsycCritiques, 1993, 38, 1183-1185.	0.0	0
128	Neuronal Reflections of Perception and Memory: Advanced Reports. PsycCritiques, 1996, 41, 373-374.	0.0	0