Catharine A Winstanley

List of Publications by Year
in descending order

112	8,199	61984	49909
papers	citations	43 h-index	87 g-index

115	115	115	6501
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Behavioral models of impulsivity in relation to ADHD: Translation between clinical and preclinical studies. Clinical Psychology Review, 2006, 26, 379-395.	11.4	689
2	Contrasting Roles of Basolateral Amygdala and Orbitofrontal Cortex in Impulsive Choice. Journal of Neuroscience, 2004, 24, 4718-4722.	3.6	509
3	Fractionating Impulsivity: Contrasting Effects of Central 5-HT Depletion on Different Measures of Impulsive Behavior. Neuropsychopharmacology, 2004, 29, 1331-1343.	5.4	334
4	Serotonergic and Dopaminergic Modulation of Gambling Behavior as Assessed Using a Novel Rat Gambling Task. Neuropsychopharmacology, 2009, 34, 2329-2343.	5.4	306
5	5-HT2A and 5-HT2C receptor antagonists have opposing effects on a measure of impulsivity: interactions with global 5-HT depletion. Psychopharmacology, 2004, 176, 376-385.	3.1	292
6	Interactions between Serotonin and Dopamine in the Control of Impulsive Choice in Rats: Therapeutic Implications for Impulse Control Disorders. Neuropsychopharmacology, 2005, 30, 669-682.	5.4	280
7	Cortico-limbic-striatal circuits subserving different forms of cost-benefit decision making. Cognitive, Affective and Behavioral Neuroscience, 2008, 8, 375-389.	2.0	256
8	Prefrontal Cortical Circuit for Depression- and Anxiety-Related Behaviors Mediated by Cholecystokinin: Role of Î”FosB. Journal of Neuroscience, 2014, 34, 3878-3887.	3.6	256
9	Global 5-HT depletion attenuates the ability of amphetamine to decrease impulsive choice on a delay-discounting task in rats. Psychopharmacology, 2003, 170, 320-331.	3.1	245
10	Double Dissociation between Serotonergic and Dopaminergic Modulation of Medial Prefrontal and Orbitofrontal Cortex during a Test of Impulsive Choice. Cerebral Cortex, 2006, 16, 106-114.	2.9	238
11	Limbic Corticostriatal Systems and Delayed Reinforcement. Annals of the New York Academy of Sciences, 2004, 1021, 33-50.	3.8	227
12	Intra-prefrontal 8-OH-DPAT and M100907 improve visuospatial attention and decrease impulsivity on the five-choice serial reaction time task in rats. Psychopharmacology, 2003, 167, 304-314.	3.1	207
13	Choice impulsivity: Definitions, measurement issues, and clinical implications.. Personality Disorders: Theory, Research, and Treatment, 2015, 6, 182-198.	1.3	202
14	The utility of rat models of impulsivity in developing pharmacotherapies for impulse control disorders. British Journal of Pharmacology, 2011, 164, 1301-1321.	5.4	196
15	IRS2-Akt pathway in midbrain dopamine neurons regulates behavioral and cellular responses to opiates. Nature Neuroscience, 2007, 10, 93-99.	14.8	188
16	Insight Into the Relationship Between Impulsivity and Substance Abuse From Studies Using Animal Models. Alcoholism: Clinical and Experimental Research, 2010, 34, 1306-1318.	2.4	166
17	Contributions of the orbitofrontal cortex to impulsive choice: interactions with basal levels of impulsivity, dopamine signalling, and reward-related cues. Psychopharmacology, 2010, 211, 87-98.	3.1	152
18	Environmental Enrichment Produces a Behavioral Phenotype Mediated by Low Cyclic Adenosine Monophosphate Response Element Binding (CREB) Activity in the Nucleus Accumbens. Biological Psychiatry, 2010, 67, 28-35.	1.3	152

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19	Contributions of serotonin in addiction vulnerability. Neuropharmacology, 2011, 61, 421-432.	4.1	132
20	Dopamine Antagonism Decreases Willingness to Expend Physical, But Not Cognitive, Effort: A Comparison of Two Rodent Cost/Benefit Decision-Making Tasks. Neuropsychopharmacology, 2015, 40, 1005-1015.	5.4	127
21	Lesions of the Basolateral Amygdala and Orbitofrontal Cortex Differentially Affect Acquisition and Performance of a Rodent Gambling Task. Journal of Neuroscience, 2011, 31, 2197-2204.	3.6	125
22	Î”FosB Induction in Orbitofrontal Cortex Mediates Tolerance to Cocaine-Induced Cognitive Dysfunction. Journal of Neuroscience, 2007, 27, 10497-10507.	3.6	123
23	Dissociable Contributions of Anterior Cingulate Cortex and Basolateral Amygdala on a Rodent Cost/Benefit Decision-Making Task of Cognitive Effort. Neuropsychopharmacology, 2014, 39, 1558-1567.	5.4	103
24	Functional Disconnection of the Orbitofrontal Cortex and Basolateral Amygdala Impairs Acquisition of a Rat Gambling Task and Disrupts Animals' Ability to Alter Decision-Making Behavior after Reinforcer Devaluation. Journal of Neuroscience, 2013, 33, 6434-6443.	3.6	99
25	Lesions to the subthalamic nucleus decrease impulsive choice but impair autoshaping in rats: the importance of the basal ganglia in Pavlovian conditioning and impulse control. European Journal of Neuroscience, 2005, 21, 3107-3116.	2.6	95
26	The Orbitofrontal Cortex, Impulsivity, and Addiction: Probing Orbitofrontal Dysfunction at the Neural, Neurochemical, and Molecular Level. Annals of the New York Academy of Sciences, 2007, 1121, 639-655.	3.8	95
27	Increased risk-taking behavior in dopamine transporter knockdown mice: further support for a mouse model of mania. Journal of Psychopharmacology, 2011, 25, 934-943.	4.0	95
28	Sensitivity to Cognitive Effort Mediates Psychostimulant Effects on a Novel Rodent Cost/Benefit Decision-Making Task. Neuropsychopharmacology, 2012, 37, 1825-1837.	5.4	94
29	Simultaneous blockade of dopamine and noradrenaline reuptake promotes disadvantageous decision making in a rat gambling task. Psychopharmacology, 2013, 225, 719-731.	3.1	90
30	Pathological Choice: The Neuroscience of Gambling and Gambling Addiction. Journal of Neuroscience, 2013, 33, 17617-17623.	3.6	87
31	Deciphering Decision Making: Variation in Animal Models of Effort- and Uncertainty-Based Choice Reveals Distinct Neural Circuitries Underlying Core Cognitive Processes. Journal of Neuroscience, 2016, 36, 12069-12079.	3.6	86
32	Increased Impulsivity during Withdrawal from Cocaine Self-Administration: Role for ÂFosB in the Orbitofrontal Cortex. Cerebral Cortex, 2009, 19, 435-444.	2.9	84
33	Differential effects of environmental enrichment, social-housing, and isolation-rearing on a rat gambling task: Dissociations between impulsive action and risky decision-making. Psychopharmacology, 2013, 225, 381-395.	3.1	83
34	Dopamine Modulates Reward Expectancy During Performance of a Slot Machine Task in Rats: Evidence for a â€˜Near-missâ€™ Effect. Neuropsychopharmacology, 2011, 36, 913-925.	5.4	80
35	Yohimbine Increases Impulsivity Through Activation of cAMP Response Element Binding in the Orbitofrontal Cortex. Biological Psychiatry, 2010, 67, 649-656.	1.3	77
36	Chronic atomoxetine treatment during adolescence decreases impulsive choice, but not impulsive action, in adult rats and alters markers of synaptic plasticity in the orbitofrontal cortex. Psychopharmacology, 2012, 219, 285-301.	3.1	77

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37	Dopamine D₃Receptors Modulate the Ability of Win-Paired Cues to Increase Risky Choice in a Rat Gambling Task. Journal of Neuroscience, 2016, 36, 785-794.	3.6	76
38	Longâ€term, calorieâ€restricted intake of a highâ€fat diet in rats reduces impulse control and ventral striatal D₂ receptor signalling â€“ two markers of addiction vulnerability. European Journal of Neuroscience, 2015, 42, 3095-3104.	2.6	71
39	Dopaminergic modulation of the orbitofrontal cortex affects attention, motivation and impulsive responding in rats performing the five-choice serial reaction time task. Behavioural Brain Research, 2010, 210, 263-272.	2.2	69
40	Irrational Choice under Uncertainty Correlates with Lower Striatal D_{2/3}Receptor Binding in Rats. Journal of Neuroscience, 2012, 32, 15450-15457.	3.6	69
41	Riskâ€preferring rats make worse decisions and show increased incubation of craving after cocaine selfâ€administration. Addiction Biology, 2017, 22, 991-1001.	2.6	60
42	Inactivation of the prelimbic or infralimbic cortex impairs decision-making in the rat gambling task. Psychopharmacology, 2015, 232, 4481-4491.	3.1	59
43	A Selective Role for Dopamine D4 Receptors in Modulating Reward Expectancy in a Rodent Slot Machine Task. Biological Psychiatry, 2014, 75, 817-824.	1.3	48
44	Disadvantageous decision-making on a rodent gambling task is associated with increased motor impulsivity in a population of male rats. Journal of Psychiatry and Neuroscience, 2015, 40, 108-117.	2.4	43
45	Irrational beliefs, biases and gambling: Exploring the role of animal models in elucidating vulnerabilities for the development of pathological gambling. Behavioural Brain Research, 2015, 279, 259-273.	2.2	41
46	Frontal Traumatic Brain Injury Increases Impulsive Decision Making in Rats: A Potential Role for the Inflammatory Cytokine Interleukin-12. Journal of Neurotrauma, 2017, 34, 2790-2800.	3.4	37
47	Î”FosB induction in orbitofrontal cortex potentiates locomotor sensitization despite attenuating the cognitive dysfunction caused by cocaine. Pharmacology Biochemistry and Behavior, 2009, 93, 278-284.	2.9	35
48	Frontal Traumatic Brain Injury in Rats Causes Long-Lasting Impairments in Impulse Control That Are Differentially Sensitive to Pharmacotherapeutics and Associated with Chronic Neuroinflammation. ACS Chemical Neuroscience, 2016, 7, 1531-1542.	3.5	35
49	Chronic D_{2/3} agonist ropinirole treatment increases preference for uncertainty in rats regardless of baseline choice patterns. European Journal of Neuroscience, 2017, 45, 159-166.	2.6	34
50	Translational Models of Gambling-Related Decision-Making. Current Topics in Behavioral Neurosciences, 2015, 28, 93-120.	1.7	32
51	Pharmacological evidence that 5-HT2C receptor blockade selectively improves decision making when rewards are paired with audiovisual cues in a rat gambling task. Psychopharmacology, 2017, 234, 3091-3104.	3.1	32
52	Win-Concurrent Sensory Cues Can Promote Riskier Choice. Journal of Neuroscience, 2018, 38, 10362-10370.	3.6	32
53	Dissociable effects of basolateral amygdala lesions on decision making biases in rats when loss or gain is emphasized. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 1184-1195.	2.0	31
54	Differential Involvement of the Agranular vs Granular Insular Cortex in the Acquisition and Performance of Choice Behavior in a Rodent Gambling Task. Neuropsychopharmacology, 2015, 40, 2832-2842.	5.4	31

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55	Prefrontal Cortical Inactivations Decrease Willingness to Expend Cognitive Effort on a Rodent Cost/Benefit Decision-Making Task. Cerebral Cortex, 2016, 26, 1529-1538.	2.9	29
56	Prior Exposure to Salient Win-Paired Cues in a Rat Gambling Task Increases Sensitivity to Cocaine Self-Administration and Suppresses Dopamine Efflux in Nucleus Accumbens: Support for the Reward Deficiency Hypothesis of Addiction. Journal of Neuroscience, 2019, 39, 1842-1854.	3.6	29
57	The Impact of Selective Dopamine D2, D3 and D4 Ligands on the Rat Gambling Task. PLoS ONE, 2015, 10, e0136267.	2.5	28
58	Deep-Brain Stimulation of the Subthalamic Nucleus Selectively Decreases Risky Choice in Risk-Preferring Rats. ENeuro, 2017, 4, ENEURO.0094-17.2017.	1.9	28
59	Cocaine selfâ€administration is increased after frontal traumatic brain injury and associated with neuroinflammation. European Journal of Neuroscience, 2019, 50, 2134-2145.	2.6	25
60	The putative lithium-mimetic ebselen reduces impulsivity in rodent models. Journal of Psychopharmacology, 2018, 32, 1018-1026.	4.0	23
61	Nicotine Increases Impulsivity and Decreases Willingness to Exert Cognitive Effort despite Improving Attention in â€œSlackerâ€•Rats: Insights into Cholinergic Regulation of Cost/Benefit Decision Making. PLoS ONE, 2014, 9, e111580.	2.5	23
62	Prenatal alcohol exposure and adolescent stress â€“ unmasking persistent attentional deficits in rats. European Journal of Neuroscience, 2014, 40, 3078-3095.	2.6	22
63	Scopolamine and amphetamine produce similar decision-making deficits on a rat gambling task via independent pathways. Behavioural Brain Research, 2015, 281, 86-95.	2.2	22
64	Activation of dopamine D4 receptors within the anterior cingulate cortex enhances the erroneous expectation of reward on a rat slot machine task. Neuropharmacology, 2016, 105, 186-195.	4.1	21
65	Research Domain Criteria versus DSM V: How does this debate affect attempts to model corticostriatal dysfunction in animals?. Neuroscience and Biobehavioral Reviews, 2017, 76, 301-316.	6.1	21
66	Chronic administration of the dopamine D2/3 agonist ropinirole invigorates performance of a rodent slot machine task, potentially indicative of less distractible or compulsive-like gambling behaviour. Psychopharmacology, 2017, 234, 137-153.	3.1	21
67	Relative insensitivity to time-out punishments induced by win-paired cues in a rat gambling task. Psychopharmacology, 2019, 236, 2543-2556.	3.1	21
68	Dopamine neurons gate the intersection of cocaine use, decision making, and impulsivity. Addiction Biology, 2021, 26, e13022.	2.6	20
69	Greater sensitivity to novelty in rats is associated with increased motor impulsivity following repeated exposure to a stimulating environment: implications for the etiology of impulse control deficits. European Journal of Neuroscience, 2014, 40, 3746-3756.	2.6	19
70	Skewed by Cues? The Motivational Role of Audiovisual Stimuli in Modelling Substance Use and Gambling Disorders. Current Topics in Behavioral Neurosciences, 2015, 27, 507-529.	1.7	19
71	Î”9-Tetrahydrocannabinol decreases willingness to exert cognitive effort in male rats. Journal of Psychiatry and Neuroscience, 2017, 42, 131-138.	2.4	19
72	Repetitive closed-head impact model of engineered rotational acceleration (CHIMERA) injury in rats increases impulsivity, decreases dopaminergic innervation in the olfactory tubercle and generates white matter inflammation, tau phosphorylation and degeneration. Experimental Neurology, 2019, 317, 87-99.	4.1	19

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73	Systemic Administration of 8-OH-DPAT and Eticlopride, but not SCH23390, Alters Loss-Chasing Behavior in the Rat. Neuropsychopharmacology, 2013, 38, 1094-1104.	5.4	18
74	Dissociable effects of systemic and orbitofrontal administration of adrenoceptor antagonists on yohimbine-induced motor impulsivity. Behavioural Brain Research, 2017, 328, 19-27.	2.2	17
75	Gambling Rats: Insight into Impulsive and Addictive Behavior. Neuropsychopharmacology, 2011, 36, 359-359.	5.4	16
76	The neural and neurochemical basis of delay discounting.. , 2010, , 95-121.		16
77	Chronic atomoxetine treatment during adolescence does not influence decision-making on a rodent gambling task, but does modulate amphetamineâ€™s effect on impulsive action in adulthood. Behavioural Pharmacology, 2016, 27, 350-363.	1.7	15
78	Inactivation of the orbitofrontal cortex reduces irrational choice on a rodent Betting Task. Neuroscience, 2017, 345, 38-48.	2.3	14
79	Decreased motor impulsivity following chronic lithium treatment in male rats is associated with reduced levels of pro-inflammatory cytokines in the orbitofrontal cortex. Brain, Behavior, and Immunity, 2020, 89, 339-349.	4.1	14
80	Chemogenetic inhibition of dopaminergic projections to the nucleus accumbens has sexually dimorphic effects in the rat gambling task.. Behavioral Neuroscience, 2020, 134, 309-322.	1.2	14
81	Investigating serotonergic contributions to cognitive effort allocation, attention, and impulsive action in female rats. Journal of Psychopharmacology, 2020, 34, 452-466.	4.0	13
82	Examination of the effects of cannabinoid ligands on decision making in a rat gambling task. Pharmacology Biochemistry and Behavior, 2018, 170, 87-97.	2.9	12
83	Pharmacological evidence of a cholinergic contribution to elevated impulsivity and risky decision-making caused by adding win-paired cues to a rat gambling task. Journal of Psychopharmacology, 2021, 35, 701-712.	4.0	12
84	Increased motor impulsivity in a rat gambling task during chronic ropinirole treatment: potentiation by win-paired audiovisual cues. Psychopharmacology, 2019, 236, 1901-1915.	3.1	12
85	Anticonvulsant medications attenuate amphetamine-induced deficits in behavioral inhibition but not decision making under risk on a rat gambling task. Behavioural Brain Research, 2016, 314, 143-151.	2.2	11
86	Minor Functional Deficits in Basic Response Patterns for Reinforcement after Frontal Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2016, 33, 1892-1900.	3.4	10
87	Dissociable contributions of dorsal and ventral striatal regions on a rodent cost/benefit decision-making task requiring cognitive effort. Neuropharmacology, 2018, 137, 322-331.	4.1	10
88	Impulse Control Disorders in Parkinsonâ€™s Disease: From Bench to Bedside. Frontiers in Neuroscience, 2021, 15, 654238.	2.8	10
89	Noradrenergic contributions to cue-driven risk-taking and impulsivity. Psychopharmacology, 2021, 238, 1765-1779.	3.1	10
90	Impulsivity as a mediating mechanism between early-life adversity and addiction: Theoretical comment on Lovic et al. (2011).. Behavioral Neuroscience, 2011, 125, 681-686.	1.2	9

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91	Risk taking and impulsive behaviour: fundamental discoveries, theoretical perspectives and clinical implications. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180128.	4.0	9
92	A Monte Carlo approach for improving transient dopamine release detection sensitivity. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 116-131.	4.3	8
93	Elucidating the role of D4 receptors in mediating attributions of salience to incentive stimuli on Pavlovian conditioned approach and conditioned reinforcement paradigms. Behavioural Brain Research, 2016, 312, 55-63.	2.2	7
94	Investigating the influence of â€˜losses disguised as winsâ€™ on decision making and motivation in rats. Behavioural Pharmacology, 2018, 29, 732-744.	1.7	5
95	Decreased riskâ€taking and lossâ€chasing after subthalamic nucleus lesion in rats. European Journal of Neuroscience, 2021, 53, 2362-2375.	2.6	5
96	Clueless about cues: the impact of reward-paired cues on decision making under uncertainty. Current Opinion in Behavioral Sciences, 2021, 41, 167-174.	3.9	5
97	Effects of 5-HT2C, 5-HT1A receptor challenges and modafinil on the initiation and persistence of gambling behaviours. Psychopharmacology, 2020, 237, 1745-1756.	3.1	4
98	Kindling of the basolateral or central nucleus of the amygdala increases suboptimal choice in a rat gambling task and increases motor impulsivity in risk-preferring animals. Behavioural Brain Research, 2021, 398, 112941.	2.2	4
99	Evaluation of cognitive effort in rats is not critically dependent on ventrolateral orbitofrontal cortex. European Journal of Neuroscience, 2021, 53, 852-860.	2.6	4
100	Serotonin 2C Antagonism in the Lateral Orbitofrontal Cortex Ameliorates Cue-Enhanced Risk Preference and Restores Sensitivity to Reinforcer Devaluation in Male Rats. ENeuro, 2021, 8, ENEURO.0341-21.2021.	1.9	4
101	Preclinical models and neurocircuitry of gambling and impulsive behavior. Current Opinion in Behavioral Sciences, 2017, 13, 99-105.	3.9	3
102	Exploring preferences for variable delays over fixed delays to high-value food rewards as a model of food-seeking behaviours in humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180141.	4.0	3
103	Animal Models of Gambling-Related Behaviour. , 2019, , 101-125.		3
104	GPR52 agonists attenuate ropinirole-induced preference for uncertain outcomes.. Behavioral Neuroscience, 2021, 135, 8-23.	1.2	3
105	Enhanced amphetamine-induced motor impulsivity and mild attentional impairment in the leptin-deficient rat model of obesity. Physiology and Behavior, 2018, 192, 134-144.	2.1	1
106	Exposure to uncertainty mediates the effects of traumatic brain injury on probabilistic decision-making in rats. Brain Injury, 2020, 34, 140-148.	1.2	1
107	Current Concepts in the Classification, Treatment, and Modeling of Pathological Gambling and Other Impulse Control Disorders. , 2008, , 317-357.		1
108	Cued Rat Gambling Task. Bio-protocol, 2017, 7, e2118.	0.4	1

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109	Differential effects of lipopolysaccharide on cognition, corticosterone and cytokines in socially-housed vs isolated male rats. Behavioural Brain Research, 2022, 433, 114000.	2.2	1
110	Two Tetranucleotide Repeats within the Xq21.3/Yp11.2 Human Specific Region of Homology and Their Conservation in Primate Evolution. Zoological Science, 1999, 16, 357-362.	0.7	0
111	Towards a Better Understanding of Disordered Gambling: Efficacy of Animal Paradigms in Modelling Aspects of Gambling Behaviour. Current Addiction Reports, 2015, 2, 240-248.	3.4	0
112	Impulsivity. , 2020, , 2207-2209.		0