Simon Killcross

List of Publications by Year
in descending order

94 papers	7,312 citations	87888 38 h-index	56724 83 g-index
95 all docs	95 docs citations	95 times ranked	5884 citing authors

#	Article	IF	Citations
1	The Role of the Rodent Lateral Orbitofrontal Cortex in Simple Pavlovian Cue-Outcome Learning Depends on Training Experience. Cerebral Cortex Communications, 2021, 2, tgab010.	1.6	2
2	Complementary Roles for Ventral Pallidum Cell Types and Their Projections in Relapse. Journal of Neuroscience, 2020, 40, 880-893.	3.6	42
3	Differential involvement of dopamine receptor subtypes in the acquisition of Pavlovian sign-tracking and goal-tracking responses. Psychopharmacology, 2019, 236, 1853-1862.	3.1	13
4	Loss of Hierarchical Control by Occasion Setters Following Lesions of the Prelimbic and Infralimbic Medial Prefrontal Cortex in Rats. Brain Sciences, 2019, 9, 48.	2.3	6
5	An Integrated Model of Action Selection: Distinct Modes of Cortical Control of Striatal Decision Making. Annual Review of Psychology, 2019, 70, 53-76.	17.7	76
6	Punishment insensitivity emerges from impaired contingency detection, not aversion insensitivity or reward dominance. ELife, 2019, 8, .	6.0	34
7	Distinct Accumbens Shell Output Pathways Promote versus Prevent Relapse to Alcohol Seeking. Neuron, 2018, 98, 512-520.e6.	8.1	59
8	Behavioral and neurobiological mechanisms of punishment: implications for psychiatric disorders. Neuropsychopharmacology, 2018, 43, 1639-1650.	5.4	85
9	The conditions that regulate formation of a false fear memory in rats. Neurobiology of Learning and Memory, 2018, 156, 53-59.	1.9	7
10	Modulation of attention and action in the medial prefrontal cortex of rats.. Psychological Review, 2018, 125, 822-843.	3.8	31
11	Danger Changes the Way the Mammalian Brain Stores Information About Innocuous Events: A Study of Sensory Preconditioning in Rats. ENeuro, 2018, 5, ENEURO.0381-17.2017.	1.9	19
12	Functional heterogeneity within the rodent lateral orbitofrontal cortex dissociates outcome devaluation and reversal learning deficits. ELife, 2018, 7, .	6.0	58
13	Pulling habits out of rats: adenosine 2A receptor antagonism in dorsomedial striatum rescues methâ€amphetamineâ€induced deficits in goalâ€directed action. Addiction Biology, 2017, 22, 172-183.	2.6	55
14	Western Diet Chow Consumption in Rats Induces Striatal Neuronal Activation While Reducing Dopamine Levels without Affecting Spatial Memory in the Radial Arm Maze. Frontiers in Behavioral Neuroscience, 2017, 11, 22.	2.0	16
15	Disrupted attentional learning in high schizotypy: Evidence of aberrant salience. British Journal of Psychology, 2016, 107, 601-624.	2.3	21
16	Hunting for evidence of cognitive planning: Archaeological signatures versus psychological realities. Journal of Archaeological Science: Reports, 2016, 5, 225-239.	0.5	4
17	The prelimbic cortex directs attention toward predictive cues during fear learning. Learning and Memory, 2015, 22, 289-293.	1.3	32
18	Impact of adolescent sucrose access on cognitive control, recognition memory, and parvalbumin immunoreactivity. Learning and Memory, 2015, 22, 215-224.	1.3	96

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19	The prelimbic cortex uses contextual cues to modulate responding towards predictive stimuli during fear renewal. Neurobiology of Learning and Memory, 2015, 118, 20-29.	1.9	38
20	Obesity and cognitive decline: role of inflammation and vascular changes. Frontiers in Neuroscience, 2014, 8, 375.	2.8	290
21	The Prelimbic Cortex Contributes to the Down-Regulation of Attention Toward Redundant Cues. Cerebral Cortex, 2014, 24, 1066-1074.	2.9	40
22	Orbitofrontal cortex inactivation impairs between- but not within-session Pavlovian extinction: An associative analysis. Neurobiology of Learning and Memory, 2014, 108, 78-87.	1.9	25
23	Extreme Elemental Processing in a High Schizotypy Population: Relation to Cognitive Deficits. Quarterly Journal of Experimental Psychology, 2014, 67, 918-935.	1.1	6
24	The prelimbic cortex uses higher-order cues to modulate both the acquisition and expression of conditioned fear. Frontiers in Systems Neuroscience, 2014, 8, 235.	2.5	43
25	The Basolateral Amygdala Is Critical for Learning about Neutral Stimuli in the Presence of Danger, and the Perirhinal Cortex Is Critical in the Absence of Danger. Journal of Neuroscience, 2013, 33, 13112-13125.	3.6	50
26	Transgenic expression of the FTDP-17 tauV337M mutation in brain dissociates components of executive function in mice. Neurobiology of Learning and Memory, 2013, 104, 73-81.	1.9	10
27	Associative learning mechanisms underpinning the transition from recreational drug use to addiction. Annals of the New York Academy of Sciences, 2013, 1282, 12-24.	3.8	157
28	Effect of low-intensity treadmill exercise on behavioural measures and hippocampal parvalbumin immunoreactivity in the rat. Behavioural Brain Research, 2013, 256, 598-601.	2.2	14
29	Within-event learning in rats with lesions of the basolateral amygdala. Behavioural Brain Research, 2013, 236, 48-55.	2.2	2
30	Error Correction in Latent Inhibition and its Disruption by Opioid Receptor Blockade with Naloxone. Neuropsychopharmacology, 2013, 38, 2439-2445.	5.4	5
31	A further assessment of the Hallâ€“Rodriguez theory of latent inhibition.. Journal of Experimental Psychology, 2013, 39, 117-125.	1.7	4
32	Attenuation of acute d-amphetamine-induced disruption of conflict resolution by clozapine, but not Î±-flupenthixol in rats. Journal of Psychopharmacology, 2013, 27, 1023-1031.	4.0	2
33	Accelerated habit formation following amphetamine exposure is reversed by D1, but enhanced by D2, receptor antagonists. Frontiers in Neuroscience, 2013, 7, 76.	2.8	68
34	A model of differential amygdala activation in psychopathy.. Psychological Review, 2012, 119, 789-806.	3.8	136
35	Cognition in female transmembrane domain neuregulin 1 mutant mice. Behavioural Brain Research, 2012, 226, 218-223.	2.2	49
36	Effect of western and high fat diets on memory and cholinergic measures in the rat. Behavioural Brain Research, 2012, 235, 98-103.	2.2	81

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37	Rapid communication: Impaired conditional task performance in a high schizotypy population: Relation to cognitive deficits. Quarterly Journal of Experimental Psychology, 2011, 64, 1-9.	1.1	13
38	Dissociation of prefrontal cortex and nucleus accumbens dopaminergic systems in conditional learning in rats. Behavioural Brain Research, 2011, 225, 47-55.	2.2	5
39	Inactivation of the infralimbic prefrontal cortex in rats reduces the influence of inappropriate habitual responding in a response-conflict task. Neuroscience, 2011, 199, 205-212.	2.3	32
40	Evaluation of state and trait biomarkers in healthy volunteers for the development of novel drug treatments in schizophrenia. Journal of Psychopharmacology, 2011, 25, 1207-1225.	4.0	22
41	Additional exposures to a compound of two preexposed stimuli deepen latent inhibition.. Journal of Experimental Psychology, 2011, 37, 394-406.	1.7	7
42	Rat prefrontal dopamine and cognitive control: Impaired and enhanced conflict performance.. Behavioral Neuroscience, 2011, 125, 344-349.	1.2	8
43	Lesions to the ventral, but not the dorsal, medial prefrontal cortex enhance latent inhibition. European Journal of Neuroscience, 2010, 31, 1474-1482.	2.6	21
44	Lesions of the prelimbic prefrontal cortex prevent response conflict produced by actionâ€“outcome associations. Quarterly Journal of Experimental Psychology, 2010, 63, 417-424.	1.1	16
45	Latent inhibition, learned irrelevance, and schizotypy: Assessing their relationship. Cognitive Neuropsychiatry, 2009, 14, 11-29.	1.3	26
46	Integration of geometric with luminance information in the rat: Evidence from within-compound associations.. Journal of Experimental Psychology, 2009, 35, 92-98.	1.7	17
47	Contextual control of biconditional task performance: Evidence for cue and response competition in rats. Quarterly Journal of Experimental Psychology, 2008, 61, 1307-1320.	1.1	22
48	Optional-shift behaviour in rats: A novel procedure for assessing attentional processes in discrimination learning. Quarterly Journal of Experimental Psychology, 2007, 60, 534-542.	1.1	7
49	Role of the medial prefrontal cortex in acquired distinctiveness and equivalence of cues.. Behavioral Neuroscience, 2007, 121, 1431-1436.	1.2	20
50	Dopaminergic Mechanisms in Actions and Habits: Figure 1.. Journal of Neuroscience, 2007, 27, 8181-8183.	3.6	258
51	Inactivation of the prelimbic, but not infralimbic, prefrontal cortex impairs the contextual control of response conflict in rats. European Journal of Neuroscience, 2007, 25, 559-566.	2.6	118
52	Lesions of rat infralimbic cortex enhance renewal of extinguished appetitive Pavlovian responding. European Journal of Neuroscience, 2007, 25, 2498-2503.	2.6	76
53	Lesions of rat infralimbic cortex result in disrupted retardation but normal summation test performance following training on a Pavlovian conditioned inhibition procedure. European Journal of Neuroscience, 2007, 26, 2654-2660.	2.6	36
54	Contextual Control of Choice Performance: Behavioral, Neurobiological, and Neurochemical Influences. Annals of the New York Academy of Sciences, 2007, 1104, 250-269.	3.8	37

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55	Clozapine, SCH 23390 and Î±-flupenthixol but not haloperidol attenuate acute phencyclidine-induced disruption of conditional discrimination performance. Psychopharmacology, 2007, 190, 403-414.	3.1	14
56	Medial prefrontal cortex infusion of Î±-flupenthixol attenuates systemic d-amphetamine-induced disruption of conditional discrimination performance in rats. Psychopharmacology, 2007, 192, 347-355.	3.1	6
57	Clozapine but not haloperidol treatment reverses sub-chronic phencyclidine-induced disruption of conditional discrimination performance. Behavioural Brain Research, 2006, 175, 271-277.	2.2	25
58	Parallel incentive processing: an integrated view of amygdala function. Trends in Neurosciences, 2006, 29, 272-279.	8.6	521
59	Dopamine activity in the nucleus accumbens modulates blocking in fear conditioning. European Journal of Neuroscience, 2006, 24, 3265-3270.	2.6	42
60	Both motivational and training factors affect response conflict choice performance in rats. Neural Networks, 2006, 19, 1192-1202.	5.9	9
61	Differential attenuation of d-amphetamine-induced disruption of conditional discrimination performance by dopamine and serotonin antagonists. Psychopharmacology, 2006, 188, 183-192.	3.1	16
62	Lesions of the Basolateral Amygdala Disrupt Conditioning Based on the Retrieved Representations of Motivationally Significant Events. Journal of Neuroscience, 2006, 26, 8305-8309.	3.6	40
63	Prefrontal Cortex Lesions Disrupt the Contextual Control of Response Conflict. Journal of Neuroscience, 2006, 26, 2933-2940.	3.6	86
64	Amphetamine Exposure Enhances Habit Formation. Journal of Neuroscience, 2006, 26, 3805-3812.	3.6	418
65	MEDIAL PREFRONTAL CORTEX LESIONS ABOLISH CONTEXTUAL CONTROL OF COMPETING RESPONSES. Journal of the Experimental Analysis of Behavior, 2005, 84, 485-504.	1.1	32
66	Reinstatement of extinguished fear by Î²-adrenergic arousal elicited by a conditioned context.. Behavioral Neuroscience, 2005, 119, 1662-1671.	1.2	27
67	Excitotoxic Lesions of the Entorhinal Cortex Leave Gustatory Within-Event Learning Intact.. Behavioral Neuroscience, 2005, 119, 1131-1135.	1.2	13
68	Attenuation of d-amphetamine-induced disruption of conditional discrimination performance by ?-flupenthixol. Psychopharmacology, 2005, 177, 296-306.	3.1	20
69	Lesions of Rat Infralimbic Cortex Enhance Recovery and Reinstatement of an Appetitive Pavlovian Response. Learning and Memory, 2004, 11, 611-616.	1.3	112
70	Inactivation of the infralimbic prefrontal cortex reinstates goal-directed responding in overtrained rats. Behavioural Brain Research, 2003, 146, 167-174.	2.2	364
71	Coordination of Actions and Habits in the Medial Prefrontal Cortex of Rats. Cerebral Cortex, 2003, 13, 400-408.	2.9	639
72	Discrimination between Outcomes in Instrumental Learning: Effects of Preexposure to the Reinforcers. Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology, 2003, 56, 253-265.	2.8	7

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73	Glucocorticoid Receptor Agonist Enhances Pavlovian Appetitive Conditioning but Disrupts Outcome-Specific Associations.. Behavioral Neuroscience, 2003, 117, 1453-1457.	1.2	27
74	Preserved Sensitivity to Outcome Value after Lesions of the Basolateral Amygdala. Journal of Neuroscience, 2003, 23, 7702-7709.	3.6	74
75	The Effect of Lesions of the Basolateral Amygdala on Instrumental Conditioning. Journal of Neuroscience, 2003, 23, 666-675.	3.6	313
76	Posttraining Glucocorticoid Receptor Agonist Enhances Memory in Appetitive and Aversive Pavlovian Discrete-Cue Conditioning Paradigms. Neurobiology of Learning and Memory, 2002, 78, 458-464.	1.9	62
77	Basolateral amygdala lesions disrupt latent inhibitionin rats. Brain Research Bulletin, 2001, 56, 49-53.	3.0	41
78	Lesions of the Basolateral Amygdala Disrupt Selective Aspects of Reinforcer Representation in Rats. Journal of Neuroscience, 2001, 21, 9018-9026.	3.6	192
79	Loss of latent inhibition in conditioned taste aversion following exposure to a novel flavour before test. Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology, 2001, 54, 271-288.	2.8	8
80	Excitotoxic lesions of the hippocampus leave sensory preconditioning intact: Implications for models of hippocampal functioning.. Behavioral Neuroscience, 2001, 115, 1357-1362.	1.2	24
81	Dissociations in dopamine release in medial prefrontal cortex and ventral striatum during the acquisition and extinction of classical aversive conditioning in the rat. European Journal of Neuroscience, 1998, 10, 1019-1026.	2.6	119
82	Different types of fear-conditioned behaviour mediated by separate nuclei within amygdala. Nature, 1997, 388, 377-380.	27.8	614
83	WAY100635 and latent inhibition in the rat: selective effects at preexposure. Behavioural Brain Research, 1997, 88, 51-57.	2.2	16
84	Symmetrical effects of amphetamine and alpha-flupenthixol on conditioned punishment and conditioned reinforcement: contrasts with midazolam. Psychopharmacology, 1997, 129, 141-152.	3.1	62
85	Deficits in memory and hippocampal long-term potentiation in mice with reduced calbindin D28K expression.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8028-8033.	7.1	151
86	Dissociations in Hippocampal 5-Hydroxytryptamine Release in the Rat Following Pavlovian Aversive Conditioning to Discrete and Contextual Stimuli. European Journal of Neuroscience, 1996, 8, 1479-1487.	2.6	37
87	Contextual Control of Latent Inhibition by the Reinforcer. Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology, 1996, 49, 45-59.	2.8	16
88	Role of primary motivation in stimulus preexposure effects.. Journal of Experimental Psychology, 1996, 22, 32-42.	1.7	24
89	The on-baseline latent inhibition effect is not counterconditioning. Psychopharmacology, 1995, 118, 104-106.	3.1	4
90	Amphetamine-induced disruptions of latent inhibition are reinforcer mediated: implications for animal models of schizophrenic attentional dysfunction. Psychopharmacology, 1994, 115, 185-195.	3.1	121

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91	Effects of the neuroleptic Î±-flupenthixol on latent inhibition in aversively- and appetitively-motivated paradigms: evidence for dopamine-reinforcer interactions. Psychopharmacology, 1994, 115, 196-205.	3.1	74
92	Effects of ibotenic acid lesions of the Nucleus Accumbens on instrumental action. Behavioural Brain Research, 1994, 65, 181-193.	2.2	127
93	Social Isolation in the Rat Produces Developmentally Specific Deficits in Prepulse Inhibition of the Acoustic Startle Response Without Disrupting Latent Inhibition. Neuropsychopharmacology, 1994, 10, 61-72.	5.4	253
94	Differential effects of intra-accumbens and systemic amphetamine on latent inhibition using an on-baseline, within-subject conditioned suppression paradigm. Psychopharmacology, 1993, 110, 479-489.	3.1	144