

Timothy A Shahan

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

3,106
citations

172457

29
h-index

189892

50
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115
all docs

115
docs citations

115
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of large, small, and thinning magnitudes of alternative reinforcement on resurgence. Behavioural Processes, 2022, 195, 104586.	1.1	3
2	Effects of repeated exposure to escalating versus constant punishment intensity on response allocation. Journal of the Experimental Analysis of Behavior, 2022, .	1.1	3
3	A Theory of the Extinction Burst. Perspectives on Behavior Science, 2022, 45, 495-519.	1.9	10
4	Punishment and its putative fallout: A reappraisal. Journal of the Experimental Analysis of Behavior, 2021, 115, 185-203.	1.1	17
5	Examination of alternative-response discrimination training and resurgence in rats. Learning and Behavior, 2021, 49, 379-396.	1.0	4
6	Resurgence following traditional and interdependent differential reinforcement of alternative behavior.. Behavioral Development Bulletin, 2021, 26, 29-42.	0.5	4
7	Resurgence of alcohol seeking following abstinence induced by punishment in male and female rats. Behavioural Brain Research, 2021, 410, 113345.	2.2	5
8	Destructive behavior increases as a function of reductions in alternative reinforcement during schedule thinning: A retrospective quantitative analysis. Journal of the Experimental Analysis of Behavior, 2021, 116, 243-248.	1.1	29
9	The extinction burst: Impact of reinforcement time and level of analysis on measured prevalence. Journal of the Experimental Analysis of Behavior, 2021, 116, 131-148.	1.1	8
10	Resurgence and repeated within-session progressive interval thinning of alternative reinforcement. Journal of the Experimental Analysis of Behavior, 2021, 115, 442-459.	1.1	1
11	Resurgence as Choice in Context: Treatment duration and on/off alternative reinforcement. Journal of the Experimental Analysis of Behavior, 2020, 113, 57-76.	1.1	39
12	Relapse: An introduction. Journal of the Experimental Analysis of Behavior, 2020, 113, 8-14.	1.1	2
13	Resurgence and downshifts in alternative reinforcement rate. Journal of the Experimental Analysis of Behavior, 2020, 114, 163-178.	1.1	20
14	Resurgence of punishment-suppressed cocaine seeking in rats.. Experimental and Clinical Psychopharmacology, 2020, 28, 365-374.	1.8	12
15	Delays to food-predictive stimuli do not affect suboptimal choice in rats.. Journal of Experimental Psychology Animal Learning and Cognition, 2020, 46, 385-397.	0.5	3
16	Behavioral momentum and resistance to extinction across repeated extinction tests. Journal of the Experimental Analysis of Behavior, 2019, 112, 290-309.	1.1	8
17	Resurgence as Choice: Implications for promoting durable behavior change. Journal of Applied Behavior Analysis, 2019, 52, 816-846.	2.7	55
18	Resurgence of a target behavior suppressed by a combination of punishment and alternative reinforcement. Behavioural Processes, 2019, 162, 177-183.	1.1	16

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19	Contingency, contiguity, and causality in conditioning: Applying information theory and Weber's Law to the assignment of credit problem.. Psychological Review, 2019, 126, 761-773.	3.8	21
20	Rats engage in suboptimal choice when the delay to food is sufficiently long.. Journal of Experimental Psychology Animal Learning and Cognition, 2019, 45, 301-310.	0.5	24
21	Delivering alternative reinforcement in a distinct context reduces its countertherapeutic effects on relapse. Journal of the Experimental Analysis of Behavior, 2018, 109, 492-505.	1.1	12
22	Multiple schedules, off-baseline reinforcement shifts, and resistance to extinction. Journal of the Experimental Analysis of Behavior, 2018, 109, 148-163.	1.1	1
23	Longer treatment with alternative non-drug reinforcement fails to reduce resurgence of cocaine or alcohol seeking in rats. Behavioural Brain Research, 2018, 341, 54-62.	2.2	29
24	Renewal of extinguished operant behavior following changes in social context. Journal of the Experimental Analysis of Behavior, 2018, 110, 430-439.	1.1	11
25	Punishment of an alternative behavior generates resurgence of a previously extinguished target behavior. Journal of the Experimental Analysis of Behavior, 2018, 110, 171-184.	1.1	16
26	Suboptimal choice, reward-predictive signals, and temporal information.. Journal of Experimental Psychology Animal Learning and Cognition, 2018, 44, 1-22.	0.5	31
27	How suboptimal is suboptimal choice?. Journal of the Experimental Analysis of Behavior, 2017, 107, 136-150.	1.1	10
28	Effects of differential rates of alternative reinforcement on resurgence of human behavior. Journal of the Experimental Analysis of Behavior, 2017, 107, 191-202.	1.1	15
29	Resurgence and alternative reinforcer magnitude. Journal of the Experimental Analysis of Behavior, 2017, 107, 218-233.	1.1	48
30	Quantitative models of persistence and relapse from the perspective of behavioral momentum theory: Fits and misfits. Behavioural Processes, 2017, 141, 92-99.	1.1	49
31	Moving Beyond Reinforcement and Response Strength. The Behavior Analyst, 2017, 40, 107-121.	2.5	42
32	Stimuli previously associated with reinforcement mitigate resurgence. Journal of the Experimental Analysis of Behavior, 2017, 108, 139-150.	1.1	23
33	Resurgence as Choice. Behavioural Processes, 2017, 141, 100-127.	1.1	98
34	Effects of signaled and unsignaled alternative reinforcement on persistence and relapse in children and pigeons. Journal of the Experimental Analysis of Behavior, 2016, 106, 34-57.	1.1	36
35	Experience with dynamic reinforcement rates decreases resistance to extinction. Journal of the Experimental Analysis of Behavior, 2016, 105, 291-306.	1.1	14
36	Behavioral momentum theory fails to account for the effects of reinforcement rate on resurgence. Journal of the Experimental Analysis of Behavior, 2016, 105, 375-392.	1.1	76

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37	Higher rate alternative non-drug reinforcement produces faster suppression of cocaine seeking but more resurgence when removed. <i>Behavioural Brain Research</i> , 2016, 306, 48-51.	2.2	33
38	Resurgence of target responding does not exceed increases in inactive responding in a forced-choice alternative reinforcement procedure in humans. <i>Behavioural Processes</i> , 2016, 124, 80-92.	1.1	29
39	Behavioral momentum and accumulation of mass in multiple schedules. <i>Journal of the Experimental Analysis of Behavior</i> , 2015, 103, 437-449.	1.1	11
40	Renewal, resurgence, and alternative reinforcement context. <i>Behavioural Processes</i> , 2015, 116, 43-49.	1.1	26
41	Impulsive Choice Predicts Anxiety-Like Behavior, but not Alcohol or Sucrose Consumption, in Male Long-Evans Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 932-940.	2.4	18
42	The impact of D-amphetamine and SCH23390 on behavioral momentum of food seeking and reinstatement in rats. <i>Behavioural Pharmacology</i> , 2015, 26, 249-259.	1.7	1
43	Conditioned reinforcement and information theory reconsidered. <i>Journal of the Experimental Analysis of Behavior</i> , 2015, 103, 405-418.	1.1	24
44	Resurgence of sucrose and cocaine seeking in free-feeding rats. <i>Behavioural Brain Research</i> , 2015, 279, 47-51.	2.2	10
45	Modeling the effects of sensory reinforcers on behavioral persistence with alternative reinforcement. <i>Journal of the Experimental Analysis of Behavior</i> , 2014, 102, 252-266.	1.1	18
46	Temporal contingency. <i>Behavioural Processes</i> , 2014, 101, 89-96.	1.1	24
47	Temporal integration and instrumental conditioned reinforcement. <i>Learning and Behavior</i> , 2014, 42, 201-208.	1.0	14
48	Examination of the role of dopamine D2 and adrenergic α_2 receptors in resurgence of food seeking. <i>Behavioural Brain Research</i> , 2014, 271, 122-128.	2.2	5
49	Behavioral momentum and resurgence: Effects of time in extinction and repeated resurgence tests. <i>Learning and Behavior</i> , 2013, 41, 414-424.	1.0	52
50	Are preference and resistance to change convergent expressions of stimulus value?. <i>Journal of the Experimental Analysis of Behavior</i> , 2013, 100, 27-48.	1.1	5
51	SQAB 2012:Timing. <i>Behavioural Processes</i> , 2013, 95, 1-2.	1.1	1
52	Attention and conditioned reinforcement.. , 2013, , 387-410.		6
53	Loss of nondrug reinforcement in one context produces alcohol seeking in another context. <i>Behavioural Pharmacology</i> , 2013, 24, 496-503.	1.7	11
54	Effects of high, low, and thinning rates of alternative reinforcement on response elimination and resurgence. <i>Journal of the Experimental Analysis of Behavior</i> , 2013, 100, 102-116.	1.1	87

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55	Early and prolonged exposure to reward delay: Effects on impulsive choice and alcohol self-administration in male rats.. <i>Experimental and Clinical Psychopharmacology</i> , 2013, 21, 172-180.	1.8	53
56	CONCURRENT-CHAINS SCHEDULES AS A METHOD TO STUDY CHOICE BETWEEN ALCOHOL-ASSOCIATED CONDITIONED REINFORCERS. <i>Journal of the Experimental Analysis of Behavior</i> , 2012, 97, 71-83.	1.1	3
57	RESISTANCE TO CHANGE AND RELAPSE OF OBSERVING. <i>Journal of the Experimental Analysis of Behavior</i> , 2012, 97, 281-304.	1.1	11
58	Delayed matching to sample: Reinforcement has opposite effects on resistance to change in two related procedures. <i>Learning and Behavior</i> , 2012, 40, 380-392.	1.0	2
59	Differential reinforcement and resistance to change of divided-attention performance. <i>Learning and Behavior</i> , 2012, 40, 158-169.	1.0	8
60	BEHAVIORAL MOMENTUM THEORY: EQUATIONS AND APPLICATIONS. <i>Journal of Applied Behavior Analysis</i> , 2011, 44, 877-895.	2.7	107
61	Preface. <i>Behavioural Processes</i> , 2011, 87, iv-v.	1.1	0
62	Behavioral momentum and relapse of ethanol seeking. <i>Behavioural Pharmacology</i> , 2011, 22, 81-86.	1.7	15
63	Loss of Alternative Non-Drug Reinforcement Induces Relapse of Cocaine-Seeking in Rats: Role of Dopamine D1 Receptors. <i>Neuropsychopharmacology</i> , 2011, 36, 1015-1020.	5.4	56
64	AN EVALUATION OF PERSISTENCE OF TREATMENT EFFECTS DURING LONG-TERM TREATMENT OF DESTRUCTIVE BEHAVIOR. <i>Journal of the Experimental Analysis of Behavior</i> , 2011, 96, 261-282.	1.1	166
65	TEMPORAL CONTEXT, PREFERENCE, AND RESISTANCE TO CHANGE. <i>Journal of the Experimental Analysis of Behavior</i> , 2011, 96, 191-213.	1.1	4
66	A MODEL OF RESURGENCE BASED ON BEHAVIORAL MOMENTUM THEORY. <i>Journal of the Experimental Analysis of Behavior</i> , 2011, 95, 91-108.	1.1	105
67	CONDITIONED REINFORCEMENT AND RESPONSE STRENGTH. <i>Journal of the Experimental Analysis of Behavior</i> , 2010, 93, 269-289.	1.1	77
68	Extinction, relapse, and behavioral momentum. <i>Behavioural Processes</i> , 2010, 84, 400-411.	1.1	86
69	SQAB 2009: Flying high. <i>Behavioural Processes</i> , 2010, 84, 353-355.	1.1	0
70	Behavioral momentum and relapse of extinguished operant responding. <i>Learning and Behavior</i> , 2009, 37, 357-364.	1.0	128
71	Reinforcer satiation and resistance to change of responding maintained by qualitatively different reinforcers. <i>Behavioural Processes</i> , 2009, 81, 126-132.	1.1	4
72	Effects of initial-link duration on preference and resistance to change in concurrent-chains schedules. <i>Behavioural Processes</i> , 2009, 81, 223-226.	1.1	4

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73	SQAB 2008: More than the usual suspects. <i>Behavioural Processes</i> , 2009, 81, 149-153.	1.1	0
74	Coyotes (<i>Canis latrans</i>) and the matching law. <i>Behavioural Processes</i> , 2009, 82, 178-183.	1.1	14
75	Behavioral momentum of cocaine self-administration: effects of frequency of reinforcement on resistance to extinction. <i>Behavioural Pharmacology</i> , 2009, 20, 337-345.	1.7	20
76	RESISTANCE TO CHANGE AND FREQUENCY OF RESPONSE-DEPENDENT STIMULI UNCORRELATED WITH REINFORCEMENT. <i>Journal of the Experimental Analysis of Behavior</i> , 2009, 92, 199-214.	1.1	7
77	Differential outcomes enhance accuracy of delayed matching to sample but not resistance to change.. <i>Journal of Experimental Psychology</i> , 2009, 35, 74-91.	1.7	12
78	Response-reinforcer relations and resistance to change. <i>Behavioural Processes</i> , 2008, 77, 109-125.	1.1	29
79	Quantitative analyses of observing and attending. <i>Behavioural Processes</i> , 2008, 78, 145-157.	1.1	16
80	Contrast effects in response rate and accuracy of delayed matching to sample. <i>Quarterly Journal of Experimental Psychology</i> , 2008, 61, 1400-1409.	1.1	2
81	Matching law analysis of rats' alcohol self-administration in a free-operant choice procedure. <i>Behavioural Pharmacology</i> , 2008, 19, 353-356.	1.7	6
82	CONDITIONED REINFORCEMENT VALUE AND RESISTANCE TO CHANGE. <i>Journal of the Experimental Analysis of Behavior</i> , 2008, 89, 263-298.	1.1	18
83	A THEORY OF ATTENDING, REMEMBERING, AND REINFORCEMENT IN DELAYED MATCHING TO SAMPLE. <i>Journal of the Experimental Analysis of Behavior</i> , 2007, 88, 285-317.	1.1	35
84	Resistance to change of alcohol self-administration: effects of alcohol-delivery rate on disruption by extinction and naltrexone. <i>Behavioural Pharmacology</i> , 2007, 18, 161-169.	1.7	16
85	Divided attention and the matching law: Sample duration affects sensitivity to reinforcement allocation. <i>Learning and Behavior</i> , 2007, 35, 141-148.	1.0	17
86	MATCHING AND CONDITIONED REINFORCEMENT RATE. <i>Journal of the Experimental Analysis of Behavior</i> , 2006, 85, 167-180.	1.1	29
87	RESISTANCE TO CHANGE OF RESPONDING MAINTAINED BY UNSIGNALLED DELAYS TO REINFORCEMENT: A RESPONSE-BOUNDED ANALYSIS. <i>Journal of the Experimental Analysis of Behavior</i> , 2006, 85, 329-347.	1.1	23
88	Effects of self-administered alcohol concentration on the frequency and persistence of rats attending to alcohol cues. <i>Behavioural Pharmacology</i> , 2006, 17, 201-211.	1.7	3
89	Divided attention performance and the matching law. <i>Learning and Behavior</i> , 2006, 34, 255-261.	1.0	29
90	Resurgence of alcohol seeking produced by discontinuing non-drug reinforcement as an animal model of drug relapse. <i>Behavioural Pharmacology</i> , 2006, 17, 369-374.	1.7	90

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91	A THEORY OF ATTENDING AND REINFORCEMENT IN CONDITIONAL DISCRIMINATIONS. <i>Journal of the Experimental Analysis of Behavior</i> , 2005, 84, 281-303.	1.1	38
92	RESISTANCE TO CHANGE OF FORGETTING FUNCTIONS AND RESPONSE RATES. <i>Journal of the Experimental Analysis of Behavior</i> , 2005, 84, 65-75.	1.1	21
93	UNSIGNALED DELAY OF REINFORCEMENT, RELATIVE TIME, AND RESISTANCE CHANGE. <i>Journal of the Experimental Analysis of Behavior</i> , 2005, 83, 201-219.	1.1	11
94	RATE OF CONDITIONED REINFORCEMENT AFFECTS OBSERVING RATE BUT NOT RESISTANCE TO CHANGE. <i>Journal of the Experimental Analysis of Behavior</i> , 2005, 84, 1-17.	1.1	31
95	Ethanol-maintained responding of rats is more resistant to change in a context with added non-drug reinforcement. <i>Behavioural Pharmacology</i> , 2004, 15, 279-285.	1.7	54
96	D-Amphetamine reinstates behavior previously maintained by food: importance of context. <i>Behavioural Pharmacology</i> , 2004, 15, 513-516.	1.7	16
97	Stimuli produced by observing responses make rats' ethanol self-administration more resistant to price increases. <i>Psychopharmacology</i> , 2003, 167, 180-186.	3.1	8
98	ACCURACY OF DISCRIMINATION, RATE OF RESPONDING, AND RESISTANCE TO CHANGE. <i>Journal of the Experimental Analysis of Behavior</i> , 2003, 79, 307-321.	1.1	34
99	THE RESISTANCE TO CHANGE OF OBSERVING. <i>Journal of the Experimental Analysis of Behavior</i> , 2003, 80, 273-293.	1.1	20
100	The observing-response procedure: A novel method to study drug-associated conditioned reinforcement.. <i>Experimental and Clinical Psychopharmacology</i> , 2002, 10, 3-9.	1.8	21
101	Novelty, stimulus control, and operant variability. <i>The Behavior Analyst</i> , 2002, 25, 175-190.	2.5	48
102	OBSERVING BEHAVIOR: EFFECTS OF RATE AND MAGNITUDE OF PRIMARY REINFORCEMENT. <i>Journal of the Experimental Analysis of Behavior</i> , 2002, 78, 161-178.	1.1	22
103	The observing-response procedure: A novel method to study drug-associated conditioned reinforcement.. <i>Experimental and Clinical Psychopharmacology</i> , 2002, 10, 3-9.	1.8	15
104	Superstitious responding and reinforcement rate under concurrent variable-interval extinction schedules. <i>Behavioural Processes</i> , 2001, 53, 163-170.	1.1	3
105	Behavioral economics of human drug self-administration: progressive ratio versus random sequences of response requirements. <i>Behavioural Pharmacology</i> , 2001, 12, 343-347.	1.7	17
106	Sensitivity of nicotine-containing and de-nicotinized cigarette consumption to alternative non-drug reinforcement: a behavioral economic analysis. <i>Behavioural Pharmacology</i> , 2001, 12, 277-284.	1.7	81
107	Nicotine gum as a substitute for cigarettes: a behavioral economic analysis. <i>Behavioural Pharmacology</i> , 2000, 11, 71-79.	1.7	78
108	PIGEONS MAY NOT REMEMBER THE STIMULI THAT REINFORCED THEIR RECENT BEHAVIOR. <i>Journal of the Experimental Analysis of Behavior</i> , 2000, 73, 125-139.	1.1	19

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109	CHOICE, CHANGING OVER, AND REINFORCEMENT DELAYS. Journal of the Experimental Analysis of Behavior, 2000, 74, 311-330.	1.1	2
110	Comparing the reinforcing efficacy of nicotine containing and de-nicotinized cigarettes: a behavioral economic analysis. Psychopharmacology, 1999, 147, 210-216.	3.1	152
111	Ethical and theoretical paradoxes in human behavioral pharmacological research. Commentary on Fischman and Johanson's Ethical and practical issues involved in behavioral pharmacology research that administers drugs of abuse to human volunteers. Behavioural Pharmacology, 1998, 9, 503-507.	1.7	0
112	MECHANISMS UNDERLYING THE EFFECTS OF UNSIGNALLED DELAYED REINFORCEMENT ON KEY PECKING OF PIGEONS UNDER VARIABLE-INTERVAL SCHEDULES. Journal of the Experimental Analysis of Behavior, 1998, 69, 103-122.	1.1	20
113	ON THE FUNCTIONS OF THE CHANGEOVER DELAY. Journal of the Experimental Analysis of Behavior, 1998, 69, 141-160.	1.1	23
114	Differing Views of Contingencies: How Contiguous?. The Behavior Analyst, 1997, 20, 149-154.	2.5	7