

# Leonard Green

## List of Publications by Year in descending order

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133  
papers

14,577  
citations

36303

51  
h-index

19749

117  
g-index

137  
all docs

137  
docs citations

137  
times ranked

6098  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Discounting Framework for Choice With Delayed and Probabilistic Rewards.. Psychological Bulletin, 2004, 130, 769-792.	6.1	1,408
2	AREA UNDER THE CURVE AS A MEASURE OF DISCOUNTING. Journal of the Experimental Analysis of Behavior, 2001, 76, 235-243.	1.1	1,182
3	Discounting of Delayed Rewards: A Life-Span Comparison. Psychological Science, 1994, 5, 33-36.	3.3	1,041
4	COMMITMENT, CHOICE AND SELF-CONTROL1. Journal of the Experimental Analysis of Behavior, 1972, 17, 15-22.	1.1	1,007
5	DISCOUNTING OF DELAYED REWARDS: MODELS OF INDIVIDUAL CHOICE. Journal of the Experimental Analysis of Behavior, 1995, 64, 263-276.	1.1	659
6	Maximization theory in behavioral psychology. Behavioral and Brain Sciences, 1981, 4, 371-388.	0.7	613
7	Rate of temporal discounting decreases with amount of reward. Memory and Cognition, 1997, 25, 715-723.	1.6	422
8	Cross-Cultural Comparisons of Discounting Delayed and Probabilistic Rewards. Psychological Record, 2002, 52, 479-492.	0.9	371
9	Temporal discounting in choice between delayed rewards: The role of age and income.. Psychology and Aging, 1996, 11, 79-84.	1.6	337
10	Temporal discounting and preference reversals in choice between delayed outcomes. Psychonomic Bulletin and Review, 1994, 1, 383-389.	2.8	305
11	Is discounting impulsive?. Behavioural Processes, 2003, 64, 355-367.	1.1	304
12	Discounting of Monetary and Directly Consumable Rewards. Psychological Science, 2007, 18, 58-63.	3.3	268
13	Differential effects of amount on temporal and probability discounting of gains and losses. Memory and Cognition, 2006, 34, 914-928.	1.6	255
14	When foragers discount the future: constraint or adaptation?. Animal Behaviour, 1986, 34, 271-283.	1.9	244
15	Discounting delayed and probabilistic rewards: Processes and traits. Journal of Economic Psychology, 2003, 24, 619-635.	2.2	234
16	Exponential Versus Hyperbolic Discounting of Delayed Outcomes: Risk and Waiting Time. American Zoologist, 1996, 36, 496-505.	0.7	216
17	DISCOUNTING OF DELAYED FOOD REWARDS IN PIGEONS AND RATS: IS THERE A MAGNITUDE EFFECT?. Journal of the Experimental Analysis of Behavior, 2004, 81, 39-50.	1.1	211
18	Discounting of delayed rewards across the life span: age differences in individual discounting functions. Behavioural Processes, 1999, 46, 89-96.	1.1	208

#	ARTICLE	IF	CITATIONS
19	Amount of reward has opposite effects on the discounting of delayed and probabilistic outcomes.. Journal of Experimental Psychology: Learning Memory and Cognition, 1999, 25, 418-427.	0.9	199
20	A comparison of four models of delay discounting in humans. Behavioural Processes, 2009, 81, 256-259.	1.1	186
21	Inhibitory Control in Children with Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2007, 37, 1155-1165.	2.7	185
22	Dopamine modulates effort-based decision making in rats.. Behavioral Neuroscience, 2009, 123, 242-251.	1.2	164
23	THE SUBSTITUTABILITY OF REINFORCERS. Journal of the Experimental Analysis of Behavior, 1993, 60, 141-158.	1.1	152
24	HOW MANY IMPULSIVITIES? A DISCOUNTING PERSPECTIVE. Journal of the Experimental Analysis of Behavior, 2013, 99, 3-13.	1.1	145
25	Discounting of Various Types of Rewards by Women with and Without Binge Eating Disorder: Evidence for General Rather Than Specific Differences. Psychological Record, 2011, 61, 561-582.	0.9	132
26	Delay discounting: Pigeon, rat, humanâ€”does it matter?. Journal of Experimental Psychology Animal Learning and Cognition, 2016, 42, 141-162.	0.5	131
27	CHOICE BETWEEN REWARDS DIFFERING IN AMOUNT AND DELAY: TOWARD A CHOICE MODEL OF SELF CONTROL. Journal of the Experimental Analysis of Behavior, 1980, 34, 135-147.	1.1	126
28	EXPERIMENTAL STUDIES OF CONSUMER DEMAND BEHAVIOR USING LABORATORY ANIMALS*. Economic Inquiry, 1975, 13, 22-38.	1.8	125
29	Dissociable but inter-related systems of cognitive control and reward during decision making: Evidence from pupillometry and event-related fMRI. NeuroImage, 2007, 37, 1017-1031.	4.2	125
30	Domain independence and stability in young and older adultsâ€™ discounting of delayed rewards. Behavioural Processes, 2011, 87, 253-259.	1.1	125
31	Commodity-Choice Behavior with Pigeons as Subjects. Journal of Political Economy, 1981, 89, 67-91.	4.5	117
32	Discounting of delayed rewards: (A)theoretical interpretation of the Kirby questionnaire. Behavioural Processes, 2014, 107, 99-105.	1.1	115
33	PREFERENCE REVERSALS WITH FOOD AND WATER REINFORCERS IN RATS. Journal of the Experimental Analysis of Behavior, 2003, 79, 233-242.	1.1	113
34	Effects of inflation on the subjective value of delayed and probabilistic rewards. Psychonomic Bulletin and Review, 1998, 5, 324-333.	2.8	105
35	DO ADJUSTINGâ€™AMOUNT AND ADJUSTINGâ€™DELAY PROCEDURES PRODUCE EQUIVALENT ESTIMATES OF SUBJECTIVE VALUE IN PIGEONS?. Journal of the Experimental Analysis of Behavior, 2007, 87, 337-347.	1.1	105
36	Are people really more patient than other animals? Evidence from human discounting of real liquid rewards. Psychonomic Bulletin and Review, 2009, 16, 1071-1075.	2.8	105

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37	Demand Curves for Animal Consumers. Quarterly Journal of Economics, 1981, 96, 1.	8.6	103
38	Future decision-making without episodic mental time travel. Hippocampus, 2012, 22, 1215-1219.	1.9	101
39	Temporal Discounting When the Choice Is Between Two Delayed Rewards.. Journal of Experimental Psychology: Learning Memory and Cognition, 2005, 31, 1121-1133.	0.9	93
40	Risk aversion in rats ( <i>Rattus norvegicus</i> ) under varying levels of resource availability.. Journal of Comparative Psychology (Washington, D C: 1983), 1986, 100, 95-100.	0.5	88
41	Discounting of delayed and probabilistic losses over a wide range of amounts. Journal of the Experimental Analysis of Behavior, 2014, 101, 186-200.	1.1	81
42	PRISONER'S DILEMMA AND THE PIGEON: CONTROL BY IMMEDIATE CONSEQUENCES. Journal of the Experimental Analysis of Behavior, 1995, 64, 1-17.	1.1	76
43	ECONOMIC SUBSTITUTABILITY OF ELECTRICAL BRAIN STIMULATION, FOOD, AND WATER. Journal of the Experimental Analysis of Behavior, 1991, 55, 133-143.	1.1	75
44	Delay discounting of cocaine by rhesus monkeys.. Experimental and Clinical Psychopharmacology, 2007, 15, 238-244.	1.8	73
45	Cueing the personal future to reduce discounting in intertemporal choice: Is episodic prospection necessary?. Hippocampus, 2015, 25, 432-443.	1.9	73
46	Dissociations in future thinking following hippocampal damage: Evidence from discounting and time perspective in episodic amnesia.. Journal of Experimental Psychology: General, 2013, 142, 1355-1369.	2.1	72
47	Discounting of monetary rewards that are both delayed and probabilistic: Delay and probability combine multiplicatively, not additively.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 148-162.	0.9	66
48	IS THERE A DECISIVE TEST BETWEEN MATCHING AND MAXIMIZING?. Journal of the Experimental Analysis of Behavior, 1988, 50, 113-123.	1.1	61
49	Proportion offered in the Dictator and Ultimatum Games decreases with amount and social distance. Behavioural Processes, 2015, 115, 149-155.	1.1	60
50	BEHAVIORAL ECONOMICS. Journal of the Experimental Analysis of Behavior, 1995, 64, 257-262.	1.1	57
51	MODELING THE EFFECT OF REWARD AMOUNT ON PROBABILITY DISCOUNTING. Journal of the Experimental Analysis of Behavior, 2011, 95, 175-187.	1.1	56
52	Delay discounting of monetary rewards over a wide range of amounts. Journal of the Experimental Analysis of Behavior, 2013, 100, 269-281.	1.1	55
53	Delay discounting of saccharin in rhesus monkeys. Behavioural Processes, 2009, 82, 214-218.	1.1	52
54	Sustained neural activity associated with cognitive control during temporally extended decision making. Cognitive Brain Research, 2005, 23, 71-84.	3.0	50

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55	Insulin, Central Dopamine D2 Receptors, and Monetary Reward Discounting in Obesity. PLoS ONE, 2015, 10, e0133621.	2.5	50
56	The effect of rotation on the learning of taste aversions. Bulletin of the Psychonomic Society, 1973, 1, 137-138.	0.2	49
57	Suppression of cocaine self-administration in monkeys: effects of delayed punishment. Psychopharmacology, 2012, 220, 509-517.	3.1	49
58	On the scaling interpretation of exponents in hyperboloid models of delay and probability discounting. Behavioural Processes, 2010, 84, 440-444.	1.1	47
59	Experimental and correlational analyses of delay and probability discounting.. , 2010, , 67-92.		47
60	On the directionality of classically-conditioned glycemc responses. Physiology and Behavior, 1984, 32, 5-9.	2.1	45
61	Preference reversals with losses. Psychonomic Bulletin and Review, 2008, 15, 89-95.	2.8	44
62	MATCHING AND MAXIMIZING WITH CONCURRENT RATIO-INTERVAL SCHEDULES. Journal of the Experimental Analysis of Behavior, 1983, 40, 217-224.	1.1	43
63	DELAY DISCOUNTING OF QUALITATIVELY DIFFERENT REINFORCERS IN RATS. Journal of the Experimental Analysis of Behavior, 2010, 93, 171-184.	1.1	43
64	Estimating the subjective value of future rewards: Comparison of adjusting-amount and adjusting-delay procedures. Behavioural Processes, 2012, 90, 302-310.	1.1	42
65	Self-control as choice management with reference to the behavioral treatment of obesity.. Health Psychology, 1983, 2, 261-276.	1.6	41
66	Self-control in context. Behavioral and Brain Sciences, 1988, 11, 684-685.	0.7	36
67	Delay and probability discounting by drug-dependent cocaine and marijuana users. Psychopharmacology, 2016, 233, 2705-2714.	3.1	36
68	ECONOMIC AND BIOLOGICAL INFLUENCES ON A PIGEON'S KEY PECK1. Journal of the Experimental Analysis of Behavior, 1975, 23, 55-62.	1.1	35
69	PIGEONS' DISCOUNTING OF PROBABILISTIC AND DELAYED REINFORCERS. Journal of the Experimental Analysis of Behavior, 2010, 94, 113-123.	1.1	33
70	Pavlovian conditioned responses: Some elusive results and an indeterminate explanation. Behavioral and Brain Sciences, 1985, 8, 402-403.	0.7	31
71	Delay discounting of food by rhesus monkeys: Cocaine and food choice in isomorphic and allomorphic situations.. Experimental and Clinical Psychopharmacology, 2015, 23, 184-193.	1.8	31
72	Individual Differences in Delay Discounting: Differences are Quantitative with Gains, but Qualitative with Losses. Journal of Behavioral Decision Making, 2017, 30, 359-372.	1.7	31

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73	Test of an electric-shock analog to illness-induced aversion. <i>Behavioral Biology</i> , 1972, 7, 513-518.	2.2	30
74	PIGEONS' PREFERENCES FOR STIMULUS INFORMATION: EFFECTS OF AMOUNT OF INFORMATION <sup>1</sup> . <i>Journal of the Experimental Analysis of Behavior</i> , 1977, 27, 255-263.	1.1	30
75	PREFRONTAL BRAIN ACTIVITY PREDICTS TEMPORALLY EXTENDED DECISION-MAKING BEHAVIOR. <i>Journal of the Experimental Analysis of Behavior</i> , 2005, 84, 537-554.	1.1	29
76	Learned taste aversions in rats as a function of delay, speed, and duration of rotation. <i>Learning and Motivation</i> , 1976, 7, 283-289.	1.2	26
77	Self-initiated, cue extinction, and covert sensitization procedures in smoking cessation. <i>Journal of Behavioral Medicine</i> , 1980, 3, 357-372.	2.1	26
78	Delay discounting in rhesus monkeys: Equivalent discounting of more and less preferred sucrose concentrations. <i>Learning and Behavior</i> , 2012, 40, 54-60.	1.0	26
79	On Four Types of Devaluation of Outcomes Due to Their Costs: Delay, Probability, Effort, and Social Discounting. <i>Psychological Record</i> , 2019, 69, 415-424.	0.9	25
80	Shallow discounting of delayed cocaine by male rhesus monkeys when immediate food is the choice alternative.. <i>Experimental and Clinical Psychopharmacology</i> , 2016, 24, 456-463.	1.8	23
81	Interocular transfer of simultaneous but not successive discriminations in the pigeon. <i>Learning and Behavior</i> , 1978, 6, 261-264.	3.4	22
82	Effects of early ingestional experiences on the acquisition of appropriate food selection by young chicks. <i>Animal Behaviour</i> , 1988, 36, 211-224.	1.9	22
83	Foraging decisions: prey choice by pigeons. <i>Animal Behaviour</i> , 1989, 37, 429-443.	1.9	22
84	COMMITMENT USING PUNISHMENT. <i>Journal of the Experimental Analysis of Behavior</i> , 1996, 65, 593-601.	1.1	22
85	Pigeons' delay discounting functions established using a concurrentâ€œchains procedure. <i>Journal of the Experimental Analysis of Behavior</i> , 2014, 102, 151-161.	1.1	22
86	Is there a magnitude effect in tipping?. <i>Psychonomic Bulletin and Review</i> , 2003, 10, 381-386.	2.8	21
87	CONSUMPTION-LEISURE TRADEOFFS IN PIGEONS: EFFECTS OF CHANGING MARGINAL WAGE RATES BY VARYING AMOUNT OF REINFORCEMENT. <i>Journal of the Experimental Analysis of Behavior</i> , 1987, 47, 17-28.	1.1	19
88	On the Complexity of Discounting, Choice Situations, and People. <i>Perspectives on Behavior Science</i> , 2019, 42, 433-443.	1.9	19
89	Past trauma and future choices: differences in discounting in low-income, urban African Americans. <i>Psychological Medicine</i> , 2018, 48, 2702-2709.	4.5	18
90	DELAY DISCOUNTING OF HYPOTHETICAL AND REAL MONEY: THE EFFECT OF HOLDING REINFORCEMENT RATE CONSTANT. <i>Journal of Applied Behavior Analysis</i> , 2013, 46, 512-517.	2.7	17

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91	Male, But Not Female, Alcohol-Dependent African Americans Discount Delayed Gains More Steeply than Propensity-Score Matched Controls. <i>Psychopharmacology</i> , 2015, 232, 4493-4503.	3.1	16
92	Acquisition and extended retention of a conditioned taste aversion in preweanling rats.. <i>Journal of Comparative and Physiological Psychology</i> , 1982, 96, 791-806.	1.8	15
93	Discounting in Pigeons When the Choice is between Two Delayed Rewards: Implications for Species Comparisons. <i>Frontiers in Neuroscience</i> , 2011, 5, 96.	2.8	15
94	Delay discounting, cognitive ability, and personality: What matters?. <i>Psychonomic Bulletin and Review</i> , 2021, 28, 686-694.	2.8	15
95	Sharing, Discounting, and Selfishness: A Japanese-American Comparison. <i>Psychological Record</i> , 2011, 61, 59-75.	0.9	14
96	Level of deprivation does not affect degree of discounting in pigeons. <i>Learning and Behavior</i> , 2013, 41, 148-158.	1.0	14
97	The role of ventromedial prefrontal cortex in reward valuation and future thinking during intertemporal choice. <i>ELife</i> , 2021, 10, .	6.0	14
98	Foraging decisions: patch choice and exploitation by pigeons. <i>Animal Behaviour</i> , 1989, 37, 968-986.	1.9	13
99	SHORT-TERM AND LONG-TERM EFFECTS OF REINFORCERS ON CHOICE. <i>Journal of the Experimental Analysis of Behavior</i> , 1993, 59, 293-307.	1.1	13
100	Is it time? Episodic imagining and the discounting of delayed and probabilistic rewards in young and older adults. <i>Cognition</i> , 2020, 199, 104222.	2.2	13
101	On the directionality of key pecking during signals for appetitive and aversive events. <i>Learning and Motivation</i> , 1977, 8, 551-568.	1.2	12
102	An Allais paradox without mental time travel. <i>Hippocampus</i> , 2014, 24, 1375-1380.	1.9	12
103	Effects of delay fading and signals on self-control choices by children. <i>Journal of Applied Behavior Analysis</i> , 2018, 51, 374-381.	2.7	12
104	Does Ventromedial Prefrontal Cortex Damage Really Increase Impulsiveness? Delay and Probability Discounting in Patients with Focal Lesions. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1909-1927.	2.3	12
105	Individual differences in COVID-19 mitigation behaviors: The roles of age, gender, psychological state, and financial status. <i>PLoS ONE</i> , 2021, 16, e0257658.	2.5	12
106	Effects of medial frontal cortex lesions on DRL performance in rats. <i>Physiology and Behavior</i> , 1987, 41, 387-389.	2.1	10
107	Maximization theory vindicated. <i>Behavioral and Brain Sciences</i> , 1981, 4, 405-417.	0.7	9
108	Time and response matching with topographically different responses. <i>Learning and Behavior</i> , 1986, 14, 435-442.	3.4	9

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109	INFORMATION ON RESPONSE REQUIREMENTS COMPARED WITH INFORMATION ON FOOD DENSITY AS A REINFORCER OF OBSERVING IN PIGEONS. <i>Journal of the Experimental Analysis of Behavior</i> , 1988, 49, 229-237.	1.1	9
110	ECONOMIC AND BIOLOGICAL INFLUENCES ON KEY PECKING AND TREADLE PRESSING IN PIGEONS. <i>Journal of the Experimental Analysis of Behavior</i> , 2003, 80, 43-58.	1.1	9
111	Taste aversion learning in the bat, <i>Carollia perspicillata</i> . <i>Behavioral and Neural Biology</i> , 1980, 28, 236-242.	2.2	8
112	Discounting by Probabilistic Waiting. <i>Journal of Behavioral Decision Making</i> , 2017, 30, 39-53.	1.7	8
113	Choice patterns reveal qualitative individual differences among discounting of delayed gains, delayed losses, and probabilistic losses. <i>Journal of the Experimental Analysis of Behavior</i> , 2020, 113, 609-625.	1.1	8
114	Effect of initial-pecking consequences on subsequent pecking in young chicks.. <i>Journal of Comparative and Physiological Psychology</i> , 1979, 93, 730-735.	1.8	7
115	Undermatching in humans to amount of reinforcement. <i>Behavioural Processes</i> , 1985, 10, 273-283.	1.1	7
116	Behavioral Medicine™s Roots in Behaviorism: Concepts and Applications. , 2018, , 241-275.		7
117	When immediate losses are followed by delayed gains: Additive hyperboloid discounting models. <i>Psychonomic Bulletin and Review</i> , 2019, 26, 1418-1425.	2.8	7
118	Self-monitoring of progress in weight-reduction: A preliminary report. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 1976, 7, 363-365.	1.2	6
119	Preference as a function of the correlation between stimuli and reinforcement outcomes. <i>Learning and Motivation</i> , 1980, 11, 238-255.	1.2	6
120	A Note on the "Paradoxical" Effect of Stimulants on Hyperactivity with Reference to the Rate-dependency Effect of Drugs. <i>Journal of Nervous and Mental Disease</i> , 1981, 169, 196-198.	1.0	6
121	Short-sighted decision-making by those not vaccinated against COVID-19. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
122	Examining delay of gratification in healthy aging. <i>Behavioural Processes</i> , 2020, 176, 104125.	1.1	4
123	Severe early malnutrition and DRL performance in the rat. <i>Physiology and Behavior</i> , 1986, 38, 731-734.	2.1	3
124	Differential acquisition of discriminated autoshaping as a function of stimulus qualities and locations. <i>Learning and Behavior</i> , 1987, 15, 285-292.	3.4	3
125	Pigeons and rats observe signals of when but not where food will occur. <i>Learning and Behavior</i> , 1988, 16, 217-223.	3.4	3
126	The concept of leisure in maximization theory. <i>Behavioral and Brain Sciences</i> , 1983, 6, 330-333.	0.7	2



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127	Introduction to the Special Issue: Translational Research on Discounting. Psychological Record, 2011, 61, 523-525.	0.9	2
128	An Evaluation of the Effects of a Mild Delayed Verbal Punisher on Choice of an Immediate Reinforcer by Children With Autism. Behavior Modification, 2016, 40, 713-730.	1.6	2
129	Preference Reversals, Delay Discounting, Rational Choice, and the Brain. , 2018, , 121-146.		2
130	Choice between long- and short-term interests: Beyond self-control. Behavioral and Brain Sciences, 1995, 18, 127-128.	0.7	1
131	STASIS AND CHANGE. Journal of the Experimental Analysis of Behavior, 2006, 85, 1-2.	1.1	1
132	Editors ' Introduction. Journal of the Experimental Analysis of Behavior, 2004, 81, 205-205.	1.1	0
133	Hyperbola-like discounting, impulsivity, and the analysis of will. Behavioral and Brain Sciences, 2005, 28, 655-656.	0.7	0