Tom Beckers

List of Publications by Year
in descending order

131 papers	5,264 citations	76326 40 h-index	98798 67 g-index
147 all docs	147 docs citations	147 times ranked	4050 citing authors

#	Article	IF	Citations
1	Prediction Error Governs Pharmacologically Induced Amnesia for Learned Fear. Science, 2013, 339, 830-833.	12.6	248
2	Avoidance learning: a review of theoretical models and recent developments. Frontiers in Behavioral Neuroscience, 2015, 9, 189.	2.0	242
3	Retrieval per se is not sufficient to trigger reconsolidation of human fear memory. Neurobiology of Learning and Memory, 2012, 97, 338-345.	1.9	231
4	What's wrong with fear conditioning?. Biological Psychology, 2013, 92, 90-96.	2.2	216
5	Rating data are underrated: Validity of US expectancy in human fear conditioning. Journal of Behavior Therapy and Experimental Psychiatry, 2013, 44, 201-206.	1.2	181
6	Return of fear in a human differential conditioning paradigm caused by a return to the original acquistion context. Behaviour Research and Therapy, 2005, 43, 323-336.	3.1	154
7	A Review of Recent Developments in Research and Theories on Human Contingency Learning. Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology, 2002, 55, 289-310.	2.8	149
8	Concomitant Deficits in Working Memory and Fear Extinction Are Functionally Dissociated from Reduced Anxiety in Metabotropic Glutamate Receptor 7-Deficient Mice. Journal of Neuroscience, 2006, 26, 6573-6582.	3.6	144
9	Reasoning rats: Forward blocking in Pavlovian animal conditioning is sensitive to constraints of causal inference.. Journal of Experimental Psychology: General, 2006, 135, 92-102.	2.1	136
10	Outcome Additivity and Outcome Maximality Influence Cue Competition in Human Causal Learning.. Journal of Experimental Psychology: Learning Memory and Cognition, 2005, 31, 238-249.	0.9	134
11	Prediction error demarcates the transition from retrieval, to reconsolidation, to new learning. Learning and Memory, 2014, 21, 580-584.	1.3	127
12	Advancing psychotherapy and evidenceâ€based psychological interventions. International Journal of Methods in Psychiatric Research, 2014, 23, 58-91.	2.1	126
13	Memory Reconsolidation Interference as an Emerging Treatment for Emotional Disorders: Strengths, Limitations, Challenges, and Opportunities. Annual Review of Clinical Psychology, 2017, 13, 99-121.	12.3	123
14	Counterconditioning reduces cue-induced craving and actual cue-elicited consumption.. Emotion, 2010, 10, 688-695.	1.8	112
15	Outcome and Cue Properties Modulate Blocking. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2002, 55, 965-985.	2.3	99
16	Navigating the garden of forking paths for data exclusions in fear conditioning research. ELife, 2019, 8, .	6.0	92
17	Evidence for the role of higher order reasoning processes in cue competition and other learning phenomena. Learning and Behavior, 2005, 33, 239-249.	3.4	80
18	Fear conditioning of SCR but not the startle reflex requires conscious discrimination of threat and safety. Frontiers in Behavioral Neuroscience, 2014, 8, 32.	2.0	80

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19	Secondary task difficulty modulates forward blocking in human contingency learning. Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology, 2003, 56, 345-357.	2.8	71
20	Automatic integration of non-perceptual action effect features: the case of the associative affective Simon effect. Psychological Research, 2002, 66, 166-173.	1.7	68
21	Pathways towards the proliferation of avoidance in anxiety and implications for treatment. Behaviour Research and Therapy, 2017, 96, 3-13.	3.1	67
22	Instructed extinction differentially affects the emotional and cognitive expression of associative fear memory. Psychophysiology, 2012, 49, 1426-1435.	2.4	66
23	Identification of Everyday Objects on the Basis of Silhouette and Outline Versions. Perception, 2008, 37, 207-244.	1.2	65
24	Noradrenergic Blockade of Memory Reconsolidation: A Failure to Reduce Conditioned Fear Responding. Frontiers in Behavioral Neuroscience, 2014, 8, 412.	2.0	65
25	Neurocognitive and Psychotiform Behavioral Alterations and Enhanced Hippocampal Long-Term Potentiation in Transgenic Mice Displaying Neuropathological Features of Human Â-Mannosidosis. Journal of Neuroscience, 2005, 25, 6539-6549.	3.6	62
26	Stronger renewal in human fear conditioning when tested with an acquisition retrieval cue than with an extinction retrieval cue. Behaviour Research and Therapy, 2006, 44, 1717-1725.	3.1	61
27	The effects of noradrenergic blockade on extinction in humans. Biological Psychology, 2012, 89, 598-605.	2.2	57
28	Avoided by Association. Clinical Psychological Science, 2014, 2, 336-343.	4.0	56
29	In Search for Boundary Conditions of Reconsolidation: A Failure of Fear Memory Interference. Frontiers in Behavioral Neuroscience, 2017, 11, 65.	2.0	55
30	Novel attitudes can be faked on the Implicit Association Test. Journal of Experimental Social Psychology, 2007, 43, 972-978.	2.2	54
31	Feature- versus rule-based generalization in rats, pigeons and humans. Animal Cognition, 2015, 18, 1267-1284.	1.8	53
32	Further evidence for the role of mode-independent short-term associations in spatial Simon effects. Perception & Psychophysics, 2005, 67, 659-666.	2.3	51
33	Higher-Order Retrospective Revaluation in Human Causal Learning. Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology, 2002, 55, 137-151.	2.8	49
34	The elusive nature of the blocking effect: 15 failures to replicate.. Journal of Experimental Psychology: General, 2016, 145, e49-e71.	2.1	49
35	Outcome maximality and additivity training also influence cue competition in causal learning when learning involves many cues and events. Quarterly Journal of Experimental Psychology, 2007, 60, 356-368.	1.1	48
36	Return of experimentally induced chocolate craving after extinction in a different context: Divergence between craving for and expecting to eat chocolate. Behaviour Research and Therapy, 2008, 46, 375-391.	3.1	47

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37	Conditioned craving cues elicit an automatic approach tendency. Behaviour Research and Therapy, 2008, 46, 1160-1169.	3.1	46
38	Stress enhances reconsolidation of declarative memory. Psychoneuroendocrinology, 2014, 46, 102-113.	2.7	46
39	A preregistered, direct replication attempt of the retrieval-extinction effect in cued fear conditioning in rats. Neurobiology of Learning and Memory, 2017, 144, 208-215.	1.9	46
40	Increasing the Selectivity of Threat through Post-Training Instructions: Identifying One Stimulus as Source of Danger Reduces the Threat Value of Surrounding Stimuli. Journal of Experimental Psychopathology, 2013, 4, 315-324.	0.8	44
41	A Bayesian hierarchical diffusion model decomposition of performance in Approachâ€“Avoidance Tasks. Cognition and Emotion, 2015, 29, 1424-1444.	2.0	44
42	Smoking behavior in context: Where and when do people smoke?. Journal of Behavior Therapy and Experimental Psychiatry, 2010, 41, 172-177.	1.2	41
43	Expectancy bias in a selective conditioning procedure: Trait anxiety increases the threat value of a blocked stimulus. Journal of Behavior Therapy and Experimental Psychiatry, 2012, 43, 832-837.	1.2	41
44	Psychophysiological Response Patterns to Affective Film Stimuli. PLoS ONE, 2013, 8, e62661.	2.5	39
45	No persistent attenuation of fear memories in humans: A registered replication of the reactivation-extinction effect. Cortex, 2020, 129, 496-509.	2.4	39
46	The need for a behavioural science focus in research on mental health and mental disorders. International Journal of Methods in Psychiatric Research, 2014, 23, 28-40.	2.1	38
47	A Primer on Bayesian Analysis for Experimental Psychopathologists. Journal of Experimental Psychopathology, 2017, 8, 140-157.	0.8	38
48	Different effects of lorazepam and diazepam on perceptual integration. Vision Research, 2001, 41, 2297-2303.	1.4	36
49	The continued need for animals to advance brain research. Neuron, 2021, 109, 2374-2379.	8.1	36
50	Individual Differences in Discriminatory Fear Learning under Conditions of Ambiguity: A Vulnerability Factor for Anxiety Disorders?. Frontiers in Psychology, 2013, 4, 298.	2.1	32
51	Dopamine: from prediction error to psychotherapy. Translational Psychiatry, 2020, 10, 164.	4.8	30
52	Second-Order Backward Blocking and Unovershadowing in Human Causal Learning. Experimental Psychology, 2002, 49, 27-33.	0.7	29
53	Repeated cue exposure effects on subjective and physiological indices of chocolate craving. Appetite, 2008, 50, 19-24.	3.7	29
54	The inertia of conditioned craving. Does context modulate the effect of counterconditioning?. Appetite, 2013, 65, 51-57.	3.7	29

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55	Bending rules: the shape of the perceptual generalisation gradient is sensitive to inference rules. Cognition and Emotion, 2017, 31, 1444-1452.	2.0	26
56	Acute but Not Permanent Effects of Propranolol on Fear Memory Expression in Humans. Frontiers in Human Neuroscience, 2019, 13, 51.	2.0	26
57	Further evidence for the role of inferential reasoning in forward blocking. Memory and Cognition, 2005, 33, 1047-1056.	1.6	24
58	Preventing the return of fear in humans using reconsolidation update mechanisms: A verification report of Schiller etÂal. (2010). Cortex, 2020, 129, 510-525.	2.4	24
59	Direct and indirect effects of perception on generalization gradients. Behaviour Research and Therapy, 2019, 114, 44-50.	3.1	23
60	Avoidance and decision making in anxiety: An introduction to the special issue. Behaviour Research and Therapy, 2017, 96, 1-2.	3.1	22
61	Effects of Approach-Avoidance Training on the Extinction and Return of Fear Responses. PLoS ONE, 2015, 10, e0131581.	2.5	22
62	Simultaneous and sequential Feature Negative discriminations: Elemental learning and occasion setting in human Pavlovian conditioning. Learning and Motivation, 2004, 35, 136-166.	1.2	20
63	Contrasting predictive and causal values of predictors and of causes. Learning and Behavior, 2005, 33, 184-196.	3.4	20
64	Limited replicability of drug-induced amnesia after contextual fear memory retrieval in rats. Neurobiology of Learning and Memory, 2019, 166, 107105.	1.9	20
65	Sleep deprivation increases threat beliefs in human fear conditioning. Journal of Sleep Research, 2020, 29, e12873.	3.2	19
66	Statistical contingency has a different impact on preparation judgements than on causal judgements. Quarterly Journal of Experimental Psychology, 2007, 60, 418-432.	1.1	18
67	A comparison of behavioral and pharmacological interventions to attenuate reactivated fear memories. Learning and Memory, 2017, 24, 369-374.	1.3	18
68	Reinforcement Contingency Learning in Children with ADHD: Back to the Basics of Behavior Therapy. Journal of Abnormal Child Psychology, 2019, 47, 1889-1902.	3.5	18
69	Three-Year-Oldsâ€™ Retrospective Revaluation in the Blicket Detector Task. Experimental Psychology, 2009, 56, 27-32.	0.7	17
70	Fearing shades of grey: individual differences in fear responding towards generalisation stimuli. Cognition and Emotion, 2017, 31, 1181-1196.	2.0	17
71	The role of context in persistent avoidance and the predictive value of relief. Behaviour Research and Therapy, 2021, 138, 103816.	3.1	17
72	Parameter optimization for automated behavior assessment: plug-and-play or trial-and-error?. Frontiers in Behavioral Neuroscience, 2014, 8, 28.	2.0	16

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73	A Bayesian Theory of Sequential Causal Learning and Abstract Transfer. Cognitive Science, 2016, 40, 404-439.	1.7	16
74	Lack of drug-induced post-retrieval amnesia for auditory fear memories in rats. BMC Biology, 2021, 19, 17.	3.8	16
75	Extinction and renewal of Pavlovian modulation in human sequential Feature Positive discrimination learning. Learning and Memory, 2005, 12, 178-192.	1.3	15
76	Editorial: Human contingency learning. Quarterly Journal of Experimental Psychology, 2007, 60, 289-290.	1.1	15
77	Selectivity in associative learning: a cognitive stage framework for blocking and cue competition phenomena. Frontiers in Psychology, 2014, 5, 1305.	2.1	15
78	Implicit and explicit measures of spider fear and avoidance behavior: Examination of the moderating role of working memory capacity. Journal of Behavior Therapy and Experimental Psychiatry, 2016, 50, 269-276.	1.2	15
79	The effect of subadditive pretraining on blocking: Limits on generalization. Learning and Behavior, 2008, 36, 341-351.	1.0	14
80	A free software package for a human onlineconditioned suppression preparation. Behavior Research Methods, 2010, 42, 311-317.	4.0	14
81	Priming associations between bodily sensations and catastrophic misinterpretations: Specific for panic disorder?. Behaviour Research and Therapy, 2010, 48, 900-908.	3.1	13
82	Heart rate pattern and resting heart rate variability mediate individual differences in contextual anxiety and conditioned responses. International Journal of Psychophysiology, 2015, 98, 567-576.	1.0	13
83	Moving threat: Attention and distance change interact in threat responding.. Emotion, 2017, 17, 251-258.	1.8	13
84	Probing the role of perception in fear generalization. Scientific Reports, 2019, 9, 10026.	3.3	13
85	Effects of disrupted ghrelin receptor function on fear processing, anxiety and saccharin preference in mice. Psychoneuroendocrinology, 2019, 110, 104430.	2.7	13
86	Perceptual variability: Implications for learning and generalization. Psychonomic Bulletin and Review, 2021, 28, 1-19.	2.8	13
87	The hide-and-seek of retrospective revaluation: Recovery from blocking is context dependent in human causal learning.. Journal of Experimental Psychology, 2011, 37, 230-240.	1.7	12
88	Cognitive biases and alcohol use in adolescence and young adulthood: The moderating role of gender, attentional control and inhibitory control. Personality and Individual Differences, 2013, 54, 925-930.	2.9	12
89	Low-dose systemic scopolamine disrupts context conditioning in rats. Journal of Psychopharmacology, 2017, 31, 667-673.	4.0	12
90	Systematic Review: Attention-Deficit/Hyperactivity Disorder and Instrumental Learning. Journal of the American Academy of Child and Adolescent Psychiatry, 2021, 60, 1367-1381.	0.5	12

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91	Reactivation-Dependent Amnesia for Contextual Fear Memories: Evidence for Publication Bias. ENeuro, 2021, 8, ENEURO.0108-20.2020.	1.9	12
92	Evaluative Conditioning is Insensitive to Blocking. Psychologica Belgica, 2013, 49, 41.	1.9	12
93	Blocking in childrenâ€™s causal learning depends on working memory and reasoning abilities. Journal of Experimental Child Psychology, 2013, 115, 562-569.	1.4	11
94	Cortisol response mediates the effect of post-reactivation stress exposure on contextualization of emotional memories. Psychoneuroendocrinology, 2014, 50, 72-84.	2.7	11
95	No effect of glucose administration in a novel contextual fear generalization protocol in rats. Translational Psychiatry, 2016, 6, e903-e903.	4.8	11
96	Avoiding at all costs? An exploration of avoidance costs in a novel Virtual Reality procedure. Learning and Motivation, 2021, 73, 101710.	1.2	11
97	Generalization and recovery of post-retrieval amnesia.. Journal of Experimental Psychology: General, 2020, 149, 2063-2083.	2.1	11
98	The role of memory for compounds in cue competition. Learning and Motivation, 2007, 38, 195-207.	1.2	10
99	Stimulus generalization and return of fear in C57BL/6J mice. Frontiers in Behavioral Neuroscience, 2012, 6, 41.	2.0	10
100	Blocking Is Sensitive to Causal Structure in 4-Year-Old and 8-Year-Old Children. Experimental Psychology, 2005, 52, 264-271.	0.7	10
101	Differential Acquisition, Extinction, and Reinstatement of Conditioned Suppression in Mice. Quarterly Journal of Experimental Psychology, 2007, 60, 1313-1320.	1.1	9
102	Post-weaning housing conditions influence freezing during contextual fear conditioning in adult rats. Behavioural Brain Research, 2019, 359, 172-180.	2.2	9
103	Additivity pretraining and cue competition effects: Developmental evidence for a reasoning-based account of causal learning.. Journal of Experimental Psychology, 2012, 38, 180-190.	1.7	8
104	Interfering with emotional processing resources upon associative threat memory reactivation does not affect memory retention. Scientific Reports, 2019, 9, 4175.	3.3	7
105	Overgeneralization of fear, but not avoidance, following acute stress. Biological Psychology, 2021, 164, 108151.	2.2	7
106	Failures to replicate blocking are surprising and informativeâ€”Reply to Soto (2018).. Journal of Experimental Psychology: General, 2018, 147, 603-610.	2.1	7
107	Encouraging Children to Think Counterfactually Enhances Blocking in a Causal Learning Task. Quarterly Journal of Experimental Psychology, 2013, 66, 1910-1926.	1.1	6
108	Blocking in human causal learning is affected by outcome assumptions manipulated through causal structure. Learning and Behavior, 2014, 42, 185-199.	1.0	6

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109	Working Memory and Reinforcement Schedule Jointly Determine Reinforcement Learning in Children: Potential Implications for Behavioral Parent Training. Frontiers in Psychology, 2018, 9, 394.	2.1	6
110	One-trial overshadowing: Evidence for fast specific fear learning in humans. Behaviour Research and Therapy, 2017, 90, 16-24.	3.1	5
111	Symmetry and stimulus class formation in humans: Control by temporal location in a successive matching task. Journal of the Experimental Analysis of Behavior, 2017, 108, 335-350.	1.1	5
112	Individual Difference Factors in the Learning and Transfer of Patterning Discriminations. Frontiers in Psychology, 2017, 8, 1262.	2.1	5
113	Perceptual errors are related to shifts in generalization of conditioned responding. Psychological Research, 2020, 85, 1801-1813.	1.7	5
114	Trait anxiety is associated with reduced typicality asymmetry in fear generalization. Behaviour Research and Therapy, 2021, 138, 103802.	3.1	5
115	Thought Conditioning: Inducing and Reducing Thoughts About the Aversive Outcome in a Fear-Conditioning Procedure. Clinical Psychological Science, 2021, 9, 252-269.	4.0	5
116	Reappraisal of Threat Value: Loss of Blocking in Human Aversive Conditioning. Spanish Journal of Psychology, 2013, 16, E84.	2.1	4
117	Deficits in Conditional Discrimination Learning in Children with ADHD are Independent of Delay Aversion and Working Memory. Journal of Clinical Medicine, 2019, 8, 1381.	2.4	4
118	The drive for thinness: Towards a mechanistic understanding of avoidance behaviors in a non-clinical population. Behaviour Research and Therapy, 2021, 142, 103868.	3.1	4
119	The truth and value of theories of associative learning. Behavioral and Brain Sciences, 2009, 32, 200-201.	0.7	3
120	Narrowing down the conditions for extinction of Pavlovian feature-positive discriminations in humans. Learning and Behavior, 2012, 40, 393-404.	1.0	3
121	Reinstatement after human feature-positive discrimination learning. Behavioural Processes, 2017, 137, 73-83.	1.1	3
122	Manipulating affective state influences conditioned appetitive responses. Cognition and Emotion, 2018, 32, 1062-1081.	2.0	3
123	Apparent reconsolidation interference without generalized amnesia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110161.	4.8	3
124	Conditional Learning Deficits in Children with ADHD can be Reduced Through Reward Optimization and Response-Specific Reinforcement. Research on Child and Adolescent Psychopathology, 2021, 49, 1165-1178.	2.3	3
125	Does Exposure to Habitual Smoking Contexts Before Smoking Cessation Reduce Relapse? Results From a Pilot Study. Behaviour Change, 2010, 27, 19-28.	1.3	2
126	Cued reacquisition trials during extinction weaken contextual renewal in human predictive learning. Learning and Motivation, 2013, 44, 184-195.	1.2	2

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127	Reasoning versus association in animal cognition: Current controversies and possible ways forward.. Journal of Comparative Psychology (Washington, D C: 1983), 2016, 130, 187-191.	0.5	2
128	The Inferential Reasoning Theory of Causal Learning. , 2017, , .		2
129	Paul Eelen: Reflections on Life and Work. Psychologica Belgica, 2018, 58, 212-221.	1.9	2
130	Reinstatement of Conditioned Suppression in Mice. Psychologica Belgica, 2013, 46, 185.	1.9	1
131	Development of a Protocol for Studying Premature Onset of Fear as a Feature of Pathological Fear: The Effects of Conditional Stimulus Duration and Counting Behavior. Journal of Experimental Psychopathology, 2015, 6, 216-229.	0.8	0