

Bram Vervliet

List of Publications by Year in descending order

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Version: 2024-02-01

133
papers

10,532
citations

53794

45
h-index

34986

98
g-index

139
all docs

139
docs citations

139
times ranked

7674
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of short-chain fatty acids in microbiota-gut-brain communication. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 461-478.	17.8	1,519
2	Maximizing exposure therapy: An inhibitory learning approach. <i>Behaviour Research and Therapy</i> , 2014, 58, 10-23.	3.1	1,473
3	Beyond extinction: erasing human fear responses and preventing the return of fear. <i>Nature Neuroscience</i> , 2009, 12, 256-258.	14.8	694
4	Don't fear fear conditioning: Methodological considerations for the design and analysis of studies on human fear acquisition, extinction, and return of fear. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 77, 247-285.	6.1	543
5	Fear Extinction and Relapse: State of the Art. <i>Annual Review of Clinical Psychology</i> , 2013, 9, 215-248.	12.3	512
6	Neural signatures of human fear conditioning: an updated and extended meta-analysis of fMRI studies. <i>Molecular Psychiatry</i> , 2016, 21, 500-508.	7.9	448
7	Fear Generalization in Humans: Systematic Review and Implications for Anxiety Disorder Research. <i>Behavior Therapy</i> , 2015, 46, 561-582.	2.4	339
8	Fear extinction in the human brain: A meta-analysis of fMRI studies in healthy participants. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 88, 16-25.	6.1	200
9	State-of-the-art and future directions for extinction as a translational model for fear and anxiety. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170025.	4.0	191
10	Dissociable Roles for the Hippocampus and the Amygdala in Human Cued versus Context Fear Conditioning. <i>Journal of Neuroscience</i> , 2008, 28, 9030-9036.	3.6	190
11	Role of Inhibition in Exposure Therapy. <i>Journal of Experimental Psychopathology</i> , 2012, 3, 322-345.	0.8	179
12	Return of fear in a human differential conditioning paradigm caused by a return to the original acquisition context. <i>Behaviour Research and Therapy</i> , 2005, 43, 323-336.	3.1	154
13	Conditioned fear extinction and reinstatement in a human fear-potentiated startle paradigm. <i>Learning and Memory</i> , 2006, 13, 681-685.	1.3	148
14	Return of fear in a human differential conditioning paradigm caused by a stimulus change after extinction. <i>Behaviour Research and Therapy</i> , 2005, 43, 357-371.	3.1	139
15	Extinction, generalization, and return of fear: A critical review of renewal research in humans. <i>Biological Psychology</i> , 2013, 92, 51-58.	2.2	134
16	Advancing psychotherapy and evidence-based psychological interventions. <i>International Journal of Methods in Psychiatric Research</i> , 2014, 23, 58-91.	2.1	126
17	The repeated confrontation with videotapes of spiders in multiple contexts attenuates renewal of fear in spider-anxious students. <i>Behaviour Research and Therapy</i> , 2007, 45, 1169-1179.	3.1	122
18	Generalization versus contextualization in automatic evaluation. <i>Journal of Experimental Psychology: General</i> , 2010, 139, 683-701.	2.1	118

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19	Low-Cost Avoidance Behaviors are Resistant to Fear Extinction in Humans. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 351.	2.0	112
20	Timing of extinction relative to acquisition: A parametric analysis of fear extinction in humans.. <i>Behavioral Neuroscience</i> , 2008, 122, 1016-1030.	1.2	102
21	The validity of laboratory-based treatment research: Bridging the gap between fear extinction and exposure treatment. <i>Behaviour Research and Therapy</i> , 2016, 86, 87-94.	3.1	99
22	Colon-delivered short-chain fatty acids attenuate the cortisol response to psychosocial stress in healthy men: a randomized, placebo-controlled trial. <i>Neuropsychopharmacology</i> , 2020, 45, 2257-2266.	5.4	91
23	Resistance to extinction in evaluative conditioning.. <i>Journal of Experimental Psychology</i> , 2006, 32, 71-79.	1.7	90
24	Criteria of validity in experimental psychopathology: application to models of anxiety and depression. <i>Psychological Medicine</i> , 2013, 43, 2241-2244.	4.5	89
25	The key role of extinction learning in anxiety disorders. <i>Current Opinion in Psychiatry</i> , 2016, 29, 39-47.	6.3	86
26	Contextual fear induced by unpredictability in a human fear conditioning preparation is related to the chronic expectation of a threatening US. <i>Biological Psychology</i> , 2008, 77, 39-46.	2.2	78
27	Generalization Gradients for Acquisition and Extinction in Human Contingency Learning. <i>Experimental Psychology</i> , 2006, 53, 132-142.	0.7	75
28	Generalization of Human Fear Acquisition and Extinction within a Novel Arbitrary Stimulus Category. <i>PLoS ONE</i> , 2014, 9, e96569.	2.5	74
29	Intolerance of uncertainty as a vulnerability factor for excessive and inflexible avoidance behavior. <i>Behaviour Research and Therapy</i> , 2018, 104, 34-43.	3.1	74
30	Learning and memory in conditioned fear extinction: Effects of d-cycloserine. <i>Acta Psychologica</i> , 2008, 127, 601-613.	1.5	71
31	The validity of human avoidance paradigms. <i>Behaviour Research and Therapy</i> , 2018, 111, 99-105.	3.1	71
32	Human ventromedial prefrontal cortex and the positive affective processing of safety signals. <i>NeuroImage</i> , 2017, 152, 12-18.	4.2	67
33	Generalization of Extinguished Skin Conductance Responding in Human Fear Conditioning. <i>Learning and Memory</i> , 2004, 11, 555-558.	1.3	64
34	Does fear extinction in the laboratory predict outcomes of exposure therapy? A treatment analog study. <i>International Journal of Psychophysiology</i> , 2017, 121, 63-71.	1.0	64
35	Common and distinct neural correlates of fear extinction and cognitive reappraisal: A meta-analysis of fMRI studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 104, 102-115.	6.1	63
36	A learning theory of attachment: Unraveling the black box of attachment development. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 113, 287-298.	6.1	62

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37	Stronger renewal in human fear conditioning when tested with an acquisition retrieval cue than with an extinction retrieval cue. <i>Behaviour Research and Therapy</i> , 2006, 44, 1717-1725.	3.1	61
38	Perceptual discrimination in fear generalization: Mechanistic and clinical implications. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 59, 201-207.	6.1	60
39	An integrative review of attention biases and their contribution to treatment for anxiety disorders. <i>Frontiers in Psychology</i> , 2015, 6, 968.	2.1	58
40	Conditioned Fear Acquisition and Generalization in Generalized Anxiety Disorder. <i>Behavior Therapy</i> , 2015, 46, 627-639.	2.4	58
41	Temporal dynamics of relief in avoidance conditioning and fear extinction: Experimental validation and clinical relevance. <i>Behaviour Research and Therapy</i> , 2017, 96, 66-78.	3.1	57
42	Compound Extinction. <i>Clinical Psychological Science</i> , 2015, 3, 335-348.	4.0	56
43	Fear generalization in humans: Impact of verbal instructions. <i>Behaviour Research and Therapy</i> , 2010, 48, 38-43.	3.1	54
44	Mixed evidence for the potential of non-invasive transcutaneous vagal nerve stimulation to improve the extinction and retention of fear. <i>Behaviour Research and Therapy</i> , 2017, 97, 64-74.	3.1	51
45	Optimizing exposure therapy with an inhibitory retrieval approach and the OptEx Nexus. <i>Behaviour Research and Therapy</i> , 2022, 152, 104069.	3.1	51
46	Safety behavior can hamper the extinction of fear of movement-related pain: An experimental investigation in healthy participants. <i>Behaviour Research and Therapy</i> , 2012, 50, 735-746.	3.1	50
47	Aversive learning and generalization predict subclinical levels of anxiety: A six-month longitudinal study. <i>Journal of Anxiety Disorders</i> , 2014, 28, 747-753.	3.2	49
48	Gradients of fear: How perception influences fear generalization. <i>Behaviour Research and Therapy</i> , 2017, 93, 116-122.	3.1	48
49	Further characterization of relief dynamics in the conditioning and generalization of avoidance: Effects of distress tolerance and intolerance of uncertainty. <i>Behaviour Research and Therapy</i> , 2020, 124, 103526.	3.1	47
50	Generalization Gradients in Cued and Contextual Pain-Related Fear: An Experimental Study in Healthy Participants. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 345.	2.0	45
51	Neural responses during extinction learning predict exposure therapy outcome in phobia: results from a randomized-controlled trial. <i>Neuropsychopharmacology</i> , 2020, 45, 534-541.	5.4	45
52	Partial reinforcement of avoidance and resistance to extinction in humans. <i>Behaviour Research and Therapy</i> , 2017, 96, 79-89.	3.1	43
53	Expectancy bias in a selective conditioning procedure: Trait anxiety increases the threat value of a blocked stimulus. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2012, 43, 832-837.	1.2	41
54	The need for a behavioural science focus in research on mental health and mental disorders. <i>International Journal of Methods in Psychiatric Research</i> , 2014, 23, 28-40.	2.1	38

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55	Concurrent excitors limit the extinction of conditioned fear in humans. <i>Behaviour Research and Therapy</i> , 2007, 45, 375-383.	3.1	36
56	Fear generalization in humans: Impact of feature learning on conditioning and extinction. <i>Neurobiology of Learning and Memory</i> , 2014, 113, 143-148.	1.9	36
57	Reducing chronic anxiety by making the threatening event predictable: An experimental approach. <i>Behaviour Research and Therapy</i> , 2009, 47, 830-839.	3.1	34
58	Reduced return of threat expectancy after counterconditioning versus extinction. <i>Behaviour Research and Therapy</i> , 2018, 108, 78-84.	3.1	31
59	Dopamine: from prediction error to psychotherapy. <i>Translational Psychiatry</i> , 2020, 10, 164.	4.8	30
60	Contextual control over expression of fear is affected by cortisol. <i>Frontiers in Behavioral Neuroscience</i> , 2012, 6, 67.	2.0	27
61	Fear generalization in humans: Impact of prior non-fearful experiences. <i>Behaviour Research and Therapy</i> , 2010, 48, 1078-1084.	3.1	26
62	The Effect of Glucose on Hippocampal-Dependent Contextual Fear Conditioning. <i>Biological Psychiatry</i> , 2014, 75, 847-854.	1.3	26
63	Unpaired shocks during extinction weaken the contextual renewal of a conditioned discrimination. <i>Learning and Motivation</i> , 2010, 41, 22-31.	1.2	25
64	Memories of 100 years of human fear conditioning research and expectations for its future. <i>Behaviour Research and Therapy</i> , 2020, 135, 103732.	3.1	23
65	Beyond extinction: Habituation eliminates conditioned skin conductance across contexts. <i>International Journal of Psychophysiology</i> , 2015, 98, 529-534.	1.0	21
66	Defensive activation to (un)predictable interoceptive threat: The NPU respiratory threat test (NPUr). <i>Psychophysiology</i> , 2016, 53, 905-913.	2.4	21
67	Eye movement during recall reduces objective memory performance: An extended replication. <i>Behaviour Research and Therapy</i> , 2017, 92, 94-105.	3.1	21
68	Simultaneous and sequential Feature Negative discriminations: Elemental learning and occasion setting in human Pavlovian conditioning. <i>Learning and Motivation</i> , 2004, 35, 136-166.	1.2	20
69	Generalization versus contextualization in automatic evaluation revisited: A meta-analysis of successful and failed replications.. <i>Journal of Experimental Psychology: General</i> , 2015, 144, e50-e64.	2.1	20
70	Maximizing the generalization of fear extinction: Exposures to a peak generalization stimulus. <i>Behaviour Research and Therapy</i> , 2018, 111, 1-8.	3.1	20
71	Contextualized Attitude Change. <i>Advances in Experimental Social Psychology</i> , 2018, , 1-52.	3.3	20
72	Sequential and simultaneous feature positive discriminations: Occasion setting and configural learning in human Pavlovian conditioning.. <i>Journal of Experimental Psychology</i> , 2001, 27, 279-295.	1.7	18

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73	Generalization of Fear to Respiratory Sensations. <i>Behavior Therapy</i> , 2015, 46, 611-626.	2.4	18
74	Amygdala where art thou?. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 102, 430-431.	6.1	18
75	The Role of Stimulus Specificity and Attention in the Generalization of Extinction. <i>Journal of Experimental Psychopathology</i> , 2016, 7, 143-152.	0.8	17
76	The development of cued versus contextual conditioning in a predictable and an unpredictable human fear conditioning preparation. <i>Acta Psychologica</i> , 2008, 127, 593-600.	1.5	16
77	Exposure to the context and removing the unpredictability of the US: Two methods to reduce contextual anxiety compared. <i>Biological Psychology</i> , 2010, 85, 361-369.	2.2	16
78	When nothing matters: Assessing markers of expectancy violation during omissions of threat. <i>Behaviour Research and Therapy</i> , 2021, 136, 103764.	3.1	15
79	Generalization gradients in human predictive learning: Effects of discrimination training and within-subjects testing. <i>Learning and Motivation</i> , 2011, 42, 210-220.	1.2	14
80	Generalization of conditioned responding: Effects of autobiographical memory specificity. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2012, 43, S60-S66.	1.2	14
81	Preexposure to (un)predictable shock modulates discriminative fear learning between cue and context: An investigation of the interaction between fear and anxiety. <i>International Journal of Psychophysiology</i> , 2012, 84, 180-187.	1.0	14
82	Conditioned Subjective Responses to Socially Relevant Stimuli in Social Anxiety Disorder and Subclinical Social Anxiety. <i>Clinical Psychology and Psychotherapy</i> , 2015, 22, 221-231.	2.7	14
83	The effects of age and trait anxiety on avoidance learning and its generalization. <i>Behaviour Research and Therapy</i> , 2020, 129, 103611.	3.1	14
84	Prospective intolerance of uncertainty is associated with maladaptive temporal distribution of avoidance responses: An extension of Flores, López, Vervliet, and Cobos (2018). <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2020, 68, 101527.	1.2	13
85	Perceptual variability: Implications for learning and generalization. <i>Psychonomic Bulletin and Review</i> , 2021, 28, 1-19.	2.8	13
86	Increasing Predictive Estimations Without Further Learning. <i>Experimental Psychology</i> , 2014, 61, 134-141.	0.7	12
87	Verbal, behavioural and physiological assessment of the generalization of exposure-based fear reduction in a spider-anxious population. <i>Behaviour Research and Therapy</i> , 2007, 45, 291-300.	3.1	11
88	Blocking of Conditioned Inhibition in Human Causal Learning. <i>Experimental Psychology</i> , 2009, 56, 381-385.	0.7	11
89	Abstract Thinking about Negative Events in Dysphoric Students Leads to Negative Generalization. <i>Journal of Experimental Psychopathology</i> , 2014, 5, 314-328.	0.8	11
90	Negative reinforcement rate and persistent avoidance following response-prevention extinction. <i>Behaviour Research and Therapy</i> , 2020, 133, 103711.	3.1	11

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91	High avoidance despite low fear of a second-order conditional stimulus. <i>Behaviour Research and Therapy</i> , 2021, 136, 103765.	3.1	11
92	Stimulus generalization and return of fear in C57BL/6J mice. <i>Frontiers in Behavioral Neuroscience</i> , 2012, 6, 41.	2.0	10
93	Threat-related gaze fixation and its relationship with the speed and generalisability of extinction learning. <i>Australian Journal of Psychology</i> , 2016, 68, 200-208.	2.8	10
94	Fear learning, avoidance, and generalization are more context-dependent for adults than adolescents. <i>Behaviour Research and Therapy</i> , 2021, 147, 103993.	3.1	10
95	“Why is everyone always angry with me?!“ When thinking “why“™ leads to generalization. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2015, 47, 34-41.	1.2	9
96	Emotional attentional control predicts changes in diurnal cortisol secretion following exposure to a prolonged psychosocial stressor. <i>Psychoneuroendocrinology</i> , 2016, 63, 291-295.	2.7	9
97	Living in fear: Low-cost avoidance maintains low-level threat. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2019, 62, 57-64.	1.2	9
98	Extruded Wheat Bran Consumption Increases Serum Short-Chain Fatty Acids but Does Not Modulate Psychobiological Functions in Healthy Men: A Randomized, Placebo-Controlled Trial. <i>Frontiers in Nutrition</i> , 2022, 9, .	3.7	9
99	Repeated Activation of a CS-US-Contingency Memory Results in Sustained Conditioned Responding. <i>Frontiers in Psychology</i> , 2013, 4, 305.	2.1	8
100	Feature Specific Attention and Return of Fear after Extinction. <i>Journal of Experimental Psychopathology</i> , 2017, 8, 76-87.	0.8	8
101	The predictive value of neural reward processing on exposure therapy outcome: Results from a randomized controlled trial. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 339-346.	4.8	8
102	Characterizing human safety learning via Pavlovian conditioned inhibition. <i>Behaviour Research and Therapy</i> , 2021, 137, 103800.	3.1	8
103	Reduced autobiographical memory specificity is associated with impaired discrimination learning in anxiety disorder patients. <i>Frontiers in Psychology</i> , 2015, 6, 889.	2.1	7
104	Beyond Extinction: Prolonged Conditioning and Repeated Threat Exposure Abolish Contextual Renewal of Fear-Potentiated Startle Discrimination but Leave Expectancy Ratings Intact. <i>Frontiers in Psychiatry</i> , 2018, 9, 117.	2.6	7
105	Modeling Hierarchical Versus Random Exposure Schedules in Pavlovian Fear Extinction: No Evidence for Differential Fear Outcomes. <i>Behavior Therapy</i> , 2019, 50, 967-977.	2.4	7
106	Transitions from avoidance: Reinforcing competing behaviours reduces generalised avoidance in new contexts. <i>Quarterly Journal of Experimental Psychology</i> , 2020, 73, 2119-2131.	1.1	7
107	Avoidance learning as predictor of posttraumatic stress in firefighters. <i>Behavioural Brain Research</i> , 2021, 402, 113064.	2.2	7
108	A new tool for assessing context conditioning induced by US-unpredictability in humans: The Martians task restyled. <i>Learning and Motivation</i> , 2011, 42, 1-12.	1.2	6

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109	Editorial: Experimental Psychopathology: Defining the Field. <i>Psychopathology Review</i> , 2017, a4, 109-111.	0.9	6
110	Aversive Stimulus Pairings Are an Unnecessary and Insufficient Cause of Pathological Anxiety. <i>Biological Psychiatry</i> , 2020, 87, 870-871.	1.3	6
111	When the mind says one thing, but the HPA axis says another: Lack of coherence between subjective and neuroendocrine stress response trajectories in healthy men. <i>Psychoneuroendocrinology</i> , 2022, 139, 105692.	2.7	6
112	Cortico-Striatal Activity Characterizes Human Safety Learning via Pavlovian Conditioned Inhibition. <i>Journal of Neuroscience</i> , 2022, 42, 5047-5057.	3.6	6
113	One-trial overshadowing: Evidence for fast specific fear learning in humans. <i>Behaviour Research and Therapy</i> , 2017, 90, 16-24.	3.1	5
114	Perceptual errors are related to shifts in generalization of conditioned responding. <i>Psychological Research</i> , 2020, 85, 1801-1813.	1.7	5
115	Brain and Behavior Changes following Exposure Therapy Predict Outcome at 8-Year Follow-Up. <i>Psychotherapy and Psychosomatics</i> , 2016, 85, 238-240.	8.8	4
116	Imagery Rescripting Versus Extinction: Distinct and Combined Effects on Expectancy and Revaluation Learning. <i>Clinical Psychological Science</i> , 2022, 10, 622-639.	4.0	4
117	The truth and value of theories of associative learning. <i>Behavioral and Brain Sciences</i> , 2009, 32, 200-201.	0.7	3
118	Maximizar la terapia de exposici3n: Un enfoque basado en el aprendizaje inhibitorio. <i>Revista De Psicopatologia Y Psicologia Clinica</i> , 2015, 1, .	0.2	3
119	Reinstatement after human feature-positive discrimination learning. <i>Behavioural Processes</i> , 2017, 137, 73-83.	1.1	3
120	Prevention and treatment strategies for contextual overgeneralization. <i>Scientific Reports</i> , 2017, 7, 16967.	3.3	3
121	Nourishing the gut microbiota: The potential of prebiotics in microbiota-gut-brain axis research. <i>Behavioral and Brain Sciences</i> , 2019, 42, .	0.7	3
122	The Effect of Outcome Probability on Generalization in Predictive Learning. <i>Experimental Psychology</i> , 2019, 66, 23-39.	0.7	3
123	More engagement in inefficient avoidance through partial reinforcement. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2022, 76, 101751.	1.2	3
124	Translation: That's the question. <i>Biological Psychology</i> , 2013, 92, 1.	2.2	2
125	Cued reacquisition trials during extinction weaken contextual renewal in human predictive learning. <i>Learning and Motivation</i> , 2013, 44, 184-195.	1.2	2
126	<i>Bifidobacterium longum</i> 1714 Does Not Modulate Reactivity to Social Stress. <i>American Journal of Gastroenterology</i> , 2019, 114, 1820-1820.	0.4	2

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127	Helping Exposure Succeed: Learning Theory Perspectives on Treatment Resistance and Relapse. , 2010, , 31-49.		2
128	Paul Eelen: Reflections on Life and Work. Psychologica Belgica, 2018, 58, 212-221.	1.9	2
129	Perceptual sensitivity to sensory and affective aspects of dyspnea: Test-retest reliability and effects of fear of suffocation. Biological Psychology, 2022, 169, 108268.	2.2	2
130	The role of relief, perceived control, and prospective intolerance of uncertainty in excessive avoidance in uncertain-threat environments. International Journal of Psychophysiology, 2022, 179, 89-100.	1.0	2
131	Experimental models in psychopathology research: The relation between Research Domain Criteria and Experimental Psychopathology. Current Opinion in Psychology, 2021, 41, 118-123.	4.9	1
132	Retrospective revaluation effects following serial compound training and target extinction. Learning and Motivation, 2010, 41, 67-83.	1.2	0
133	T17. Are Emotional Regulation and Extinction Learning the Same in the Brain? A Meta-Analysis of fMRI Studies. Biological Psychiatry, 2019, 85, S135-S136.	1.3	0