

# Nicholas L Balderston

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,523  
citations

304368

22  
h-index

360668

35  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prefrontal cortical regulation of fear learning. Trends in Neurosciences, 2014, 37, 455-464.	4.2	145
2	The interplay of attention and emotion: top-down attention modulates amygdala activation in psychopathy. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 757-770.	1.0	100
3	The human amygdala plays a stimulus specific role in the detection of novelty. NeuroImage, 2011, 55, 1889-1898.	2.1	91
4	fMRI Functional Connectivity Applied to Adolescent Neurodevelopment. Annual Review of Clinical Psychology, 2015, 11, 361-377.	6.3	91
5	Resting state connectivity of the bed nucleus of the stria terminalis at ultra-high field. Human Brain Mapping, 2015, 36, 4076-4088.	1.9	84
6	Anxiety Patients Show Reduced Working Memory Related dlPFC Activation During Safety and Threat. Depression and Anxiety, 2017, 34, 25-36.	2.0	71
7	Resting state connectivity of the human habenula at ultra-high field. NeuroImage, 2017, 147, 872-879.	2.1	58
8	Resting-state connectivity of the amygdala is altered following Pavlovian fear conditioning. Frontiers in Human Neuroscience, 2012, 6, 242.	1.0	52
9	<scp>Mega-analysis</scp> methods in <scp>ENIGMA</scp>: The experience of the generalized anxiety disorder working group. Human Brain Mapping, 2022, 43, 255-277.	1.9	51
10	Extended amygdala connectivity changes during sustained shock anticipation. Translational Psychiatry, 2018, 8, 33.	2.4	39
11	A generalized workflow for conducting electric field-optimized, fMRI-guided, transcranial magnetic stimulation. Nature Protocols, 2020, 15, 3595-3614.	5.5	36
12	Effect of anxiety on behavioural pattern separation in humans. Cognition and Emotion, 2017, 31, 238-248.	1.2	35
13	Threat of shock increases excitability and connectivity of the intraparietal sulcus. ELife, 2017, 6, .	2.8	32
14	Cortical-subcortical structural connections support transcranial magnetic stimulation engagement of the amygdala. Science Advances, 2022, 8, .	4.7	31
15	Functionally distinct amygdala subregions identified using DTI and high-resolution fMRI. Social Cognitive and Affective Neuroscience, 2015, 10, 1615-1622.	1.5	30
16	The neural basis of improved cognitive performance by threat of shock. Social Cognitive and Affective Neuroscience, 2016, 11, 1677-1686.	1.5	29
17	Device-Based Modulation of Neurocircuits as a Therapeutic for Psychiatric Disorders. Annual Review of Pharmacology and Toxicology, 2020, 60, 591-614.	4.2	29
18	Conditioning with masked stimuli affects the timecourse of skin conductance responses.. Behavioral Neuroscience, 2010, 124, 478-489.	0.6	28

#	ARTICLE	IF	CITATIONS
19	Mechanistic link between right prefrontal cortical activity and anxious arousal revealed using transcranial magnetic stimulation in healthy subjects. <i>Neuropsychopharmacology</i> , 2020, 45, 694-702.	2.8	28
20	Working memory maintenance is sufficient to reduce state anxiety. <i>Psychophysiology</i> , 2016, 53, 1660-1668.	1.2	27
21	Effect of Threat on Right dlPFC Activity during Behavioral Pattern Separation. <i>Journal of Neuroscience</i> , 2017, 37, 9160-9171.	1.7	27
22	Rapid Amygdala Responses during Trace Fear Conditioning without Awareness. <i>PLoS ONE</i> , 2014, 9, e96803.	1.1	26
23	Low-frequency parietal repetitive transcranial magnetic stimulation reduces fear and anxiety. <i>Translational Psychiatry</i> , 2020, 10, 68.	2.4	26
24	The relationship between dlPFC activity during unpredictable threat and CO2-induced panic symptoms. <i>Translational Psychiatry</i> , 2017, 7, 1266.	2.4	25
25	Dissociation between implicit and explicit responses in postconditioning UCS revaluation after fear conditioning in humans. <i>Behavioral Neuroscience</i> , 2013, 127, 357-368.	0.6	24
26	Psychopaths Show Enhanced Amygdala Activation during Fear Conditioning. <i>Frontiers in Psychology</i> , 2016, 7, 348.	1.1	24
27	Statistical power comparisons at 3T and 7T with a GO / NOGO task. <i>NeuroImage</i> , 2018, 175, 100-110.	2.1	24
28	Cortical and subcortical brain structure in generalized anxiety disorder: findings from 28 research sites in the ENIGMA-Anxiety Working Group. <i>Translational Psychiatry</i> , 2021, 11, 502.	2.4	24
29	The Effect of Threat on Novelty Evoked Amygdala Responses. <i>PLoS ONE</i> , 2013, 8, e63220.	1.1	23
30	The effects of stimulus novelty and negativity on BOLD activity in the amygdala, hippocampus, and bed nucleus of the stria terminalis. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 748-757.	1.5	23
31	Combining transcranial magnetic stimulation with functional magnetic resonance imaging for probing and modulating neural circuits relevant to affective disorders. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2021, 12, e1553.	1.4	22
32	Patients with anxiety disorders rely on bilateral dlPFC activation during verbal working memory. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 1288-1298.	1.5	20
33	Responding to uncertain threat: A potential mediator for the effect of mindfulness on anxiety. <i>Journal of Anxiety Disorders</i> , 2021, 77, 102332.	1.5	20
34	How to Detect Amygdala Activity with Magnetoencephalography using Source Imaging. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	19
35	The novel vasopressin receptor (V1aR) antagonist SRX246 reduces anxiety in an experimental model in humans: a randomized proof-of-concept study. <i>Psychopharmacology</i> , 2021, 238, 2393-2403.	1.5	18
36	A Proof-of-Mechanism Study to Test Effects of the NMDA Receptor Antagonist Lanicemine on Behavioral Sensitization in Individuals With Symptoms of PTSD. <i>Frontiers in Psychiatry</i> , 2019, 10, 846.	1.3	13

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37	Proof of concept study to develop a novel connectivity-based electric-field modelling approach for individualized targeting of transcranial magnetic stimulation treatment. <i>Neuropsychopharmacology</i> , 2022, 47, 588-598.	2.8	13
38	Exercise modulates the interaction between cognition and anxiety in humans. <i>Cognition and Emotion</i> , 2019, 33, 863-870.	1.2	11
39	Fear conditioning and extinction in alcohol dependence: Evidence for abnormal amygdala reactivity. <i>Addiction Biology</i> , 2021, 26, e12835.	1.4	10
40	Better cognitive efficiency is associated with increased experimental anxiety. <i>Psychophysiology</i> , 2020, 57, e13559.	1.2	9
41	Dimensional connectomics of anxious misery, a human connectome study related to human disease: Overview of protocol and data quality. <i>NeuroImage: Clinical</i> , 2020, 28, 102489.	1.4	8
42	Neurophysiological and clinical effects of the NMDA receptor antagonist lanicemine (BHVA5500) in PTSD: A randomized, double-blind, placebo-controlled trial. <i>Depression and Anxiety</i> , 2021, 38, 1108-1119.	2.0	6
43	Continuous Theta-Burst Stimulation to the Right Dorsolateral Prefrontal Cortex May Increase Potentiated Startle in Healthy Individuals. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 470-479.	1.0	5
44	Reducing State Anxiety Using Working Memory Maintenance. <i>Journal of Visualized Experiments</i> , 2017, . .	0.2	4
45	Intrinsic connections between thalamic sub-regions and the lateral prefrontal cortex are differentially impacted by acute methylphenidate. <i>Psychopharmacology</i> , 2020, 237, 1873-1883.	1.5	4
46	Methylphenidate modulates interactions of anxiety with cognition. <i>Translational Psychiatry</i> , 2021, 11, 544.	2.4	4
47	F211. Functional Neuronal Alterations During Fear Conditioning and Extinction Recall in Alcohol-Dependent and Healthy Individuals With and Without Early Life Stress. <i>Biological Psychiatry</i> , 2019, 85, S295.	0.7	1
48	Location-dependent threat and associated neural abnormalities in clinical anxiety. <i>Communications Biology</i> , 2021, 4, 1263.	2.0	1
49	S11. Neural Mechanisms of Contextual Threat Learning in Clinical Anxiety: Discrimination and Regulation. <i>Biological Psychiatry</i> , 2018, 83, S350-S351.	0.7	0
50	T15. Repetitive Transcranial Magnetic Stimulation Reveals a Causal Link Between Right dlPFC Activity and Anxiety Expression. <i>Biological Psychiatry</i> , 2019, 85, S135.	0.7	0
51	Effects of Methylphenidate on the Neural Interplay Between Induced Anxiety and Working Memory. <i>Biological Psychiatry</i> , 2021, 89, S88-S89.	0.7	0
52	Effect of Repetitive Transcranial Magnetic Stimulation on Anxiety. <i>Biological Psychiatry</i> , 2021, 89, S289.	0.7	0
53	Introduction to Functional Brain Connectivity: Potential Contributions to Understanding Adolescent Vulnerability to Substance Abuse. , 2015, , 181-199.		0
54	Introduction to Functional Brain Connectivity. , 0, , .		0