

Frank Scharnowski

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,841
citations

257101

24
h-index

155451

55
g-index

63
all docs

63
docs citations

63
times ranked

3294
citing authors

#	ARTICLE	IF	CITATIONS
1	Disentangling craving and valence-related brain responses to smoking cues in individuals with nicotine use disorder. <i>Addiction Biology</i> , 2022, 27, e13083.	1.4	9
2	Differential mechanisms of posterior cingulate cortex downregulation and symptom decreases in posttraumatic stress disorder and healthy individuals using real-time fMRI neurofeedback. <i>Brain and Behavior</i> , 2022, 12, e2441.	1.0	10
3	SmoCuDa: A Validated Smoking Cue Database to Reliably Induce Craving in Tobacco Use Disorder. <i>European Addiction Research</i> , 2021, 27, 107-114.	1.3	21
4	Targeting hippocampal hyperactivity with real-time fMRI neurofeedback: protocol of a single-blind randomized controlled trial in mild cognitive impairment. <i>BMC Psychiatry</i> , 2021, 21, 87.	1.1	8
5	Predicting fear and perceived health during the COVID-19 pandemic using machine learning: A cross-national longitudinal study. <i>PLoS ONE</i> , 2021, 16, e0247997.	1.1	36
6	Securing Your Relationship: Quality of Intimate Relationships During the COVID-19 Pandemic Can Be Predicted by Attachment Style. <i>Frontiers in Psychology</i> , 2021, 12, 647956.	1.1	18
7	Predictors of real-time fMRI neurofeedback performance and improvement – A machine learning mega-analysis. <i>NeuroImage</i> , 2021, 237, 118207.	2.1	22
8	Contributions of diagnostic, cognitive, and somatovisceral information to the prediction of fear ratings in spider phobic and non-spider-fearful individuals. <i>Journal of Affective Disorders</i> , 2021, 294, 296-304.	2.0	1
9	Dopaminergic neuromodulation has no detectable effect on visual-cue induced haemodynamic response function in the visual cortex: A double-blind, placebo-controlled functional magnetic resonance imaging study. <i>Journal of Psychopharmacology</i> , 2021, 35, 100-102.	2.0	0
10	Progressive modulation of resting-state brain activity during neurofeedback of positive-social emotion regulation networks. <i>Scientific Reports</i> , 2021, 11, 23363.	1.6	7
11	Personode: A Toolbox for ICA Map Classification and Individualized ROI Definition. <i>Neuroinformatics</i> , 2020, 18, 339-349.	1.5	6
12	Network-based fMRI-neurofeedback training of sustained attention. <i>NeuroImage</i> , 2020, 221, 117194.	2.1	36
13	Can we predict real-time fMRI neurofeedback learning success from pretraining brain activity?. <i>Human Brain Mapping</i> , 2020, 41, 3839-3854.	1.9	27
14	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). <i>Brain</i> , 2020, 143, 1674-1685.	3.7	188
15	The role of the subgenual anterior cingulate cortex in dorsomedial prefrontal amygdala neural circuitry during positive social emotion regulation. <i>Human Brain Mapping</i> , 2020, 41, 3100-3118.	1.9	43
16	Building perception block by block: a response to Fekete et al. <i>Neuroscience of Consciousness</i> , 2019, 2019, niy012.	1.4	11
17	The effects of psychiatric history and age on self-regulation of the default mode network. <i>NeuroImage</i> , 2019, 198, 150-159.	2.1	18
18	No time for drifting: Comparing performance and applicability of signal detrending algorithms for real-time fMRI. <i>NeuroImage</i> , 2019, 191, 421-429.	2.1	14

#	ARTICLE	IF	CITATIONS
19	Data-driven tensor independent component analysis for model-based connectivity neurofeedback. <i>NeuroImage</i> , 2019, 184, 214-226.	2.1	9
20	Brain networks for engaging oneself in positive-social emotion regulation. <i>NeuroImage</i> , 2019, 189, 106-115.	2.1	28
21	Control freaks: Towards optimal selection of control conditions for fMRI neurofeedback studies. <i>NeuroImage</i> , 2019, 186, 256-265.	2.1	151
22	Volitional modulation of higher-order visual cortex alters human perception. <i>NeuroImage</i> , 2019, 188, 291-301.	2.1	2
23	Using real-time fMRI neurofeedback to restore right occipital cortex activity in patients with left visuo-spatial neglect: proof-of-principle and preliminary results. <i>Neuropsychological Rehabilitation</i> , 2019, 29, 339-360.	1.0	18
24	Real-time decoding of covert attention in higher-order visual areas. <i>NeuroImage</i> , 2018, 169, 462-472.	2.1	12
25	Self-regulation of the dopaminergic reward circuit in cocaine users with mental imagery and neurofeedback. <i>EBioMedicine</i> , 2018, 37, 489-498.	2.7	35
26	Learning Control Over Emotion Networks Through Connectivity-Based Neurofeedback. <i>Cerebral Cortex</i> , 2017, 27, bhv311.	1.6	108
27	OpenNFT: An open-source Python/Matlab framework for real-time fMRI neurofeedback training based on activity, connectivity and multivariate pattern analysis. <i>NeuroImage</i> , 2017, 156, 489-503.	2.1	57
28	Closed-loop brain training: the science of neurofeedback. <i>Nature Reviews Neuroscience</i> , 2017, 18, 86-100.	4.9	814
29	Real-time fMRI data for testing OpenNFT functionality. <i>Data in Brief</i> , 2017, 14, 344-347.	0.5	10
30	Distributed Patterns of Brain Activity Underlying Real-Time fMRI Neurofeedback Training. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1228-1237.	2.5	10
31	Maintenance of Voluntary Self-regulation Learned through Real-Time fMRI Neurofeedback. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 131.	1.0	25
32	Time Slices: What Is the Duration of a Percept?. <i>PLoS Biology</i> , 2016, 14, e1002433.	2.6	104
33	Cognitive enhancement through real-time fMRI neurofeedback. <i>Current Opinion in Behavioral Sciences</i> , 2015, 4, 122-127.	2.0	32
34	Manipulating motor performance and memory through real-time fMRI neurofeedback. <i>Biological Psychology</i> , 2015, 108, 85-97.	1.1	97
35	Connectivity Changes Underlying Neurofeedback Training of Visual Cortex Activity. <i>PLoS ONE</i> , 2014, 9, e91090.	1.1	22
36	Comparison of Real-Time Water Proton Spectroscopy and Echo-Planar Imaging Sensitivity to the BOLD Effect at 3 T and at 7 T. <i>PLoS ONE</i> , 2014, 9, e91620.	1.1	7

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37	Self-regulation of inter-hemispheric visual cortex balance through real-time fMRI neurofeedback training. <i>NeuroImage</i> , 2014, 100, 1-14.	2.1	45
38	Real-time automated spectral assessment of the BOLD response for neurofeedback at 3 and 7T. <i>Journal of Neuroscience Methods</i> , 2013, 218, 148-160.	1.3	13
39	Time and the brain: neurorelativity. <i>Trends in Cognitive Sciences</i> , 2013, 17, 51-52.	4.0	19
40	Real-time fMRI neurofeedback: Progress and challenges. <i>NeuroImage</i> , 2013, 76, 386-399.	2.1	398
41	Dynamic reconfiguration of human brain functional networks through neurofeedback. <i>NeuroImage</i> , 2013, 81, 243-252.	2.1	79
42	Connectivity-based neurofeedback: Dynamic causal modeling for real-time fMRI. <i>NeuroImage</i> , 2013, 81, 422-430.	2.1	135
43	Two primes priming: Does feature integration occur before response activation?. <i>Journal of Vision</i> , 2013, 13, 19-19.	0.1	3
44	Improving Visual Perception through Neurofeedback. <i>Journal of Neuroscience</i> , 2012, 32, 17830-17841.	1.7	113
45	Automatic grouping of regular structures. <i>Journal of Vision</i> , 2010, 10, 5-5.	0.1	7
46	Long-lasting modulation of feature integration by transcranial magnetic stimulation. <i>Journal of Vision</i> , 2009, 9, 1-1.	0.1	81
47	Spatial grouping determines temporal integration.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2009, 35, 595-610.	0.7	17
48	Feature Fusion Reveals Slow and Fast Visual Memories. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 632-641.	1.1	32
49	Real-time functional magnetic resonance imaging: methods and applications. <i>Magnetic Resonance Imaging</i> , 2007, 25, 989-1003.	1.0	224
50	Bloch's law and the dynamics of feature fusion. <i>Vision Research</i> , 2007, 47, 2444-2452.	0.7	33
51	Long lasting effects of unmasking in a feature fusion paradigm. <i>Psychological Research</i> , 2007, 71, 653-658.	1.0	6
52	Self-regulation of local brain activity using real-time functional magnetic resonance imaging (fMRI). <i>Journal of Physiology (Paris)</i> , 2004, 98, 357-373.	2.1	226
53	Principles of a Brain-Computer Interface (BCI) Based on Real-Time Functional Magnetic Resonance Imaging (fMRI). <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 966-970.	2.5	366
54	Combining backward masking and transcranial magnetic stimulation in human observers. <i>Neuroscience Letters</i> , 2003, 343, 171-174.	1.0	15