

Ralf Veit

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

9,994
citations

31949

53
h-index

36008

97
g-index

110
all docs

110
docs citations

110
times ranked

9154
citing authors

#	ARTICLE	IF	CITATIONS
1	Empagliflozin Improves Insulin Sensitivity of the Hypothalamus in Humans With Prediabetes: A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Trial. <i>Diabetes Care</i> , 2022, 45, 398-406.	4.3	43
2	Sex differences in central insulin action: Effect of intranasal insulin on neural food cue reactivity in adults with normal weight and overweight. <i>International Journal of Obesity</i> , 2022, 46, 1662-1670.	1.6	10
3	Balancing the brain of offenders with psychopathy? Resting state EEG and electrodermal activity after a pilot study of brain self-regulation training. <i>PLoS ONE</i> , 2021, 16, e0242830.	1.1	5
4	Resting-state functional connectivity of the human hypothalamus. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2021, 179, 113-124.	1.0	6
5	Predictors of real-time fMRI neurofeedback performance and improvement â€œ A machine learning mega-analysis. <i>NeuroImage</i> , 2021, 237, 118207.	2.1	22
6	Health, pleasure, and fullness: changing mindset affects brain responses and portion size selection in adults with overweight and obesity. <i>International Journal of Obesity</i> , 2020, 44, 428-437.	1.6	22
7	Can we predict real-time <scp>fMRI</scp> neurofeedback learning success from pretraining brain activity?. <i>Human Brain Mapping</i> , 2020, 41, 3839-3854.	1.9	27
8	Functional Connectivity Within the Gustatory Network Is Altered by Fat Content and Oral Fat Sensitivity â€œ A Pilot Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 725.	1.4	10
9	Intermittent theta burst stimulation over right somatosensory larynx cortex enhances vocal pitchâ€™regulation in nonsingers. <i>Human Brain Mapping</i> , 2019, 40, 2174-2187.	1.9	14
10	Real-time fMRI neurofeedback training to improve eating behavior by self-regulation of the dorsolateral prefrontal cortex: A randomized controlled trial in overweight and obese subjects. <i>NeuroImage</i> , 2019, 191, 596-609.	2.1	58
11	Eating less or more â€œ Mindset induced changes in neural correlates of pre-meal planning. <i>Appetite</i> , 2018, 125, 492-501.	1.8	36
12	Dose-Dependent Effects of Intranasal Insulin on Resting-State Brain Activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 253-262.	1.8	47
13	Leptin Replacement Reestablishes Brain Insulin Action in the Hypothalamus in Congenital Leptin Deficiency. <i>Diabetes Care</i> , 2018, 41, 907-910.	4.3	11
14	Just add water: Effects of added gastric distention by water on gastric emptying and satiety related brain activity. <i>Appetite</i> , 2018, 127, 195-202.	1.8	14
15	Volitional regulation of brain responses to food stimuli in overweight and obese subjects: A real-time fMRI feedback study. <i>Appetite</i> , 2017, 112, 188-195.	1.8	66
16	Modulation of attentional networks by food-related disinhibition. <i>Physiology and Behavior</i> , 2017, 176, 84-92.	1.0	6
17	Intranasal insulin enhances brain functional connectivity mediating the relationship between adiposity and subjective feeling of hunger. <i>Scientific Reports</i> , 2017, 7, 1627.	1.6	63
18	Voxel-based morphometry in opera singers: Increased gray-matter volume in right somatosensory and auditory cortices. <i>NeuroImage</i> , 2016, 133, 477-483.	2.1	47

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19	Neuronal Food Reward Activity in Patients With Type 2 Diabetes With Improved Glycemic Control After Bariatric Surgery. <i>Diabetes Care</i> , 2016, 39, 1311-1317.	4.3	25
20	Meta-analysis of real-time fMRI neurofeedback studies using individual participant data: How is brain regulation mediated?. <i>NeuroImage</i> , 2016, 124, 806-812.	2.1	204
21	Specific white matter tissue microstructure changes associated with obesity. <i>NeuroImage</i> , 2016, 125, 36-44.	2.1	106
22	Dopamine Depletion Reduces Food-Related Reward Activity Independent of BMI. <i>Neuropsychopharmacology</i> , 2016, 41, 1551-1559.	2.8	33
23	Selective Insulin Resistance in Homeostatic and Cognitive Control Brain Areas in Overweight and Obese Adults. <i>Diabetes Care</i> , 2015, 38, 1044-1050.	4.3	126
24	Manipulating motor performance and memory through real-time fMRI neurofeedback. <i>Biological Psychology</i> , 2015, 108, 85-97.	1.1	97
25	Brain self-regulation in criminal psychopaths. <i>Scientific Reports</i> , 2015, 5, 9426.	1.6	46
26	Self-Regulation of Anterior Insula with Real-Time fMRI and Its Behavioral Effects in Obsessive-Compulsive Disorder: A Feasibility Study. <i>PLoS ONE</i> , 2015, 10, e0135872.	1.1	33
27	Insula and inferior frontal triangularis activations distinguish between conditioned brain responses using emotional sounds for basic BCI communication. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 247.	1.0	10
28	Altered brain activity in severely obese women may recover after Roux-en Y gastric bypass surgery. <i>International Journal of Obesity</i> , 2014, 38, 341-348.	1.6	81
29	Central Insulin Administration Improves Whole-Body Insulin Sensitivity via Hypothalamus and Parasympathetic Outputs in Men. <i>Diabetes</i> , 2014, 63, 4083-4088.	0.3	135
30	Reduced cortical thickness associated with visceral fat and BMI. <i>NeuroImage: Clinical</i> , 2014, 6, 307-311.	1.4	96
31	Differential effect of glucose ingestion on the neural processing of food stimuli in lean and overweight adults. <i>Human Brain Mapping</i> , 2014, 35, 918-928.	1.9	69
32	Resting-state functional connectivity of the human hypothalamus. <i>Human Brain Mapping</i> , 2014, 35, 6088-6096.	1.9	104
33	Self-regulation of the anterior insula: Reinforcement learning using real-time fMRI neurofeedback. <i>NeuroImage</i> , 2014, 88, 113-124.	2.1	73
34	Variation in the obesity risk gene FTO determines the postprandial cerebral processing of food stimuli in the prefrontal cortex. <i>Molecular Metabolism</i> , 2014, 3, 109-113.	3.0	44
35	Volitional control of the anterior insula in criminal psychopaths using real-time fMRI neurofeedback: a pilot study. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 344.	1.0	51
36	Acquired self-control of insula cortex modulates emotion recognition and brain network connectivity in schizophrenia. <i>Human Brain Mapping</i> , 2013, 34, 200-212.	1.9	242

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37	Development of a Binary fMRI-BCI for Alzheimer Patients: A Semantic Conditioning Paradigm Using Affective Unconditioned Stimuli. , 2013, , .		8
38	Intranasal Insulin Modulates Intrinsic Reward and Prefrontal Circuitry of the Human Brain in Lean Women. Neuroendocrinology, 2013, 97, 176-182.	1.2	93
39	Inter-individual differences in successful perspective taking during pain perception mediates emotional responsiveness in self and others: An fMRI study. NeuroImage, 2013, 65, 387-394.	2.1	44
40	Olive oil aroma extract modulates cerebral blood flow in gustatory brain areas in humans. American Journal of Clinical Nutrition, 2013, 98, 1360-1366.	2.2	13
41	Functional Network Connectivity Underlying Food Processing: Disturbed Salience and Visual Processing in Overweight and Obese Adults. Cerebral Cortex, 2013, 23, 1247-1256.	1.6	95
42	Self-Associations Influence Task-Performance through Bayesian Inference. Frontiers in Human Neuroscience, 2013, 7, 490.	1.0	3
43	Food related processes in the insular cortex. Frontiers in Human Neuroscience, 2013, 7, 499.	1.0	138
44	Deficient fear conditioning in psychopathy as a function of interpersonal and affective disturbances. Frontiers in Human Neuroscience, 2013, 7, 706.	1.0	40
45	Neurobiologie und Gewaltstraftaten. Studien Und Materialien Zum Straf- Und Massregelvollzug, 2013, , 331-350.	0.0	0
46	Using real-time fMRI to learn voluntary regulation of the anterior insula in the presence of threat-related stimuli. Social Cognitive and Affective Neuroscience, 2012, 7, 623-634.	1.5	110
47	Fat intake modulates cerebral blood flow in homeostatic and gustatory brain areas in humans. American Journal of Clinical Nutrition, 2012, 95, 1342-1349.	2.2	40
48	Prefrontal brain asymmetry and aggression in imprisoned violent offenders. Neuroscience Letters, 2012, 515, 191-195.	1.0	36
49	Acquired Control of Ventral Premotor Cortex Activity by Feedback Training. Neurorehabilitation and Neural Repair, 2012, 26, 256-265.	1.4	129
50	The obese brain: Association of body mass index and insulin sensitivity with resting state network functional connectivity. Human Brain Mapping, 2012, 33, 1052-1061.	1.9	245
51	Intentional social distance regulation alters affective responses towards victims of violence: An FMRI study. Human Brain Mapping, 2012, 33, 2464-2476.	1.9	25
52	Nasal insulin changes peripheral insulin sensitivity simultaneously with altered activity in homeostatic and reward-related human brain regions. Diabetologia, 2012, 55, 1773-1782.	2.9	94
53	Differential effects of intranasal insulin and caffeine on cerebral blood flow. Human Brain Mapping, 2012, 33, 280-287.	1.9	26
54	The Obese Brain Athlete: Self-Regulation of the Anterior Insula in Adiposity. PLoS ONE, 2012, 7, e42570.	1.1	44

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55	Neural mechanisms of brain-computer interface control. <i>NeuroImage</i> , 2011, 55, 1779-1790.	2.1	205
56	Real-time support vector classification and feedback of multiple emotional brain states. <i>NeuroImage</i> , 2011, 56, 753-765.	2.1	177
57	Quantifying the Link between Anatomical Connectivity, Gray Matter Volume and Regional Cerebral Blood Flow: An Integrative MRI Study. <i>PLoS ONE</i> , 2011, 6, e14801.	1.1	42
58	Effects of Aversive Stimuli on Prospective Memory. An Event-Related fMRI Study. <i>PLoS ONE</i> , 2011, 6, e26290.	1.1	16
59	Detection of Cerebral Reorganization Induced by Real-Time fMRI Feedback Training of Insula Activation. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 259-267.	1.4	58
60	Real-time fMRI feedback training may improve chronic tinnitus. <i>European Radiology</i> , 2010, 20, 696-703.	2.3	159
61	NMDA-receptor antagonist and morphine decrease CRPS-pain and cerebral pain representation. <i>Pain</i> , 2010, 151, 69-76.	2.0	91
62	Processing of food pictures: Influence of hunger, gender and calorie content. <i>Brain Research</i> , 2010, 1350, 159-166.	1.1	249
63	Insulin Modulates Food-Related Activity in the Central Nervous System. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 748-755.	1.8	135
64	Volitional Control of Anterior Insula Activity Modulates the Response to Aversive Stimuli. A Real-Time Functional Magnetic Resonance Imaging Study. <i>Biological Psychiatry</i> , 2010, 68, 425-432.	0.7	233
65	The Truth about Lying: Inhibition of the Anterior Prefrontal Cortex Improves Deceptive Behavior. <i>Cerebral Cortex</i> , 2010, 20, 205-213.	1.6	181
66	Aberrant social and cerebral responding in a competitive reaction time paradigm in criminal psychopaths. <i>NeuroImage</i> , 2010, 49, 3365-3372.	2.1	78
67	The Brain of Opera Singers: Experience-Dependent Changes in Functional Activation. <i>Cerebral Cortex</i> , 2010, 20, 1144-1152.	1.6	159
68	Self-regulation of regional cortical activity using real-time fMRI: The right inferior frontal gyrus and linguistic processing. <i>Human Brain Mapping</i> , 2009, 30, 1605-1614.	1.9	219
69	Processing of inconsistent emotional information: an fMRI study. <i>Experimental Brain Research</i> , 2008, 186, 401-407.	0.7	20
70	LEARNED CONTROL OF INSULAR ACTIVITY USING fMRI BRAIN COMPUTER INTERFACE IN SCHIZOPHRENIA. <i>Schizophrenia Research</i> , 2008, 102, 92.	1.1	2
71	fMRI Brain-Computer Interfaces. <i>IEEE Signal Processing Magazine</i> , 2008, 25, 95-106.	4.6	89
72	Perceptual learning of speech processed by a Cochlear Implant simulator - An fMRI investigation. <i>International Journal of Psychophysiology</i> , 2008, 69, 225-226.	0.5	1

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73	The human amygdala is sensitive to the valence of pictures and sounds irrespective of arousal: an fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2008, 3, 233-243.	1.5	85
74	fMRI Brain-Computer Interface: A Tool for Neuroscientific Research and Treatment. <i>Computational Intelligence and Neuroscience</i> , 2007, 2007, 1-10.	1.1	159
75	BOLD Adaptation in Vibrotactile Stimulation: Neuronal Networks Involved in Frequency Discrimination. <i>Journal of Neurophysiology</i> , 2007, 97, 264-271.	0.9	49
76	Evidence for a different role of the ventral and dorsal medial prefrontal cortex for social reactive aggression: An interactive fMRI study. <i>NeuroImage</i> , 2007, 34, 470-478.	2.1	191
77	Regulation of anterior insular cortex activity using real-time fMRI. <i>NeuroImage</i> , 2007, 35, 1238-1246.	2.1	322
78	Overt and imagined singing of an Italian aria. <i>NeuroImage</i> , 2007, 36, 889-900.	2.1	148
79	Regulation of emotional responses elicited by threat-related stimuli. <i>Human Brain Mapping</i> , 2007, 28, 409-423.	1.9	362
80	Real-time functional magnetic resonance imaging: methods and applications. <i>Magnetic Resonance Imaging</i> , 2007, 25, 989-1003.	1.0	224
81	Functional imaging of stress urinary incontinence. <i>NeuroImage</i> , 2006, 29, 267-275.	2.1	57
82	Subjective feeling of appetite modulates brain activity. <i>NeuroImage</i> , 2006, 32, 1273-1280.	2.1	145
83	Deactivation of Brain Areas During Self-Regulation of Slow Cortical Potentials in Seizure Patients. <i>Applied Psychophysiology Biofeedback</i> , 2006, 31, 85-94.	1.0	41
84	Differential cerebral activation during observation of expressive gestures and motor acts. <i>Neuropsychologia</i> , 2006, 44, 1787-1795.	0.7	114
85	Neuronal mechanisms underlying control of a brain-computer interface. <i>European Journal of Neuroscience</i> , 2005, 21, 3169-3181.	1.2	132
86	Deficient Fear Conditioning in Psychopathy. <i>Archives of General Psychiatry</i> , 2005, 62, 799.	13.8	625
87	Improvement and Decline in Tactile Discrimination Behavior after Cortical Plasticity Induced by Passive Tactile Coactivation. <i>Journal of Neuroscience</i> , 2004, 24, 442-446.	1.7	95
88	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
89	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
90	An EEG-Driven Brain-Computer Interface Combined With Functional Magnetic Resonance Imaging (fMRI). <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 971-974.	2.5	63

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91	Effects of co-activation on cortical organization and discrimination performance. <i>NeuroReport</i> , 2004, 15, 2669-2672.	0.6	40
92	Brain areas activated in fMRI during self-regulation of slow cortical potentials (SCPs). <i>Experimental Brain Research</i> , 2003, 152, 113-122.	0.7	80
93	Physiological self-regulation of regional brain activity using real-time functional magnetic resonance imaging (fMRI): methodology and exemplary data. <i>NeuroImage</i> , 2003, 19, 577-586.	2.1	375
94	Brain circuits involved in emotional learning in antisocial behavior and social phobia in humans. <i>Neuroscience Letters</i> , 2002, 328, 233-236.	1.0	356
95	Operant conditioning of left-hemispheric slow cortical potentials and its effect on word processing. <i>Biological Psychology</i> , 2000, 53, 177-215.	1.1	15
96	A preliminary report relating frequency of vaginal intercourse to heart rate variability, Valsalva ratio, blood pressure, and cohabitation status. <i>Biological Psychology</i> , 2000, 52, 251-257.	1.1	45
97	Intraocular pressure changes: the influence of psychological stress and the Valsalva maneuver. <i>Biological Psychology</i> , 1999, 51, 43-57.	1.1	115
98	Four-Year Test-Retest Reliability of Self-measured Blood Pressure. <i>Archives of Internal Medicine</i> , 1999, 159, 1007-1008.	4.3	8
99	Cardiovascular autonomic dysregulation in users of MDMA ("Ecstasy"). <i>Psychopharmacology</i> , 1998, 136, 390-393.	1.5	30
100	Somatosensory evoked potentials during baroreceptor stimulation in chronic low back pain patients and normal controls. <i>International Journal of Psychophysiology</i> , 1997, 25, 201-210.	0.5	43
101	Lie scores are associated with less cardiovascular reactivity to baroreceptor stimulation and to mental arithmetic stress. <i>Personality and Individual Differences</i> , 1997, 22, 677-681.	1.6	19
102	Differential α - and β -adrenergic activation during psychological stress. <i>European Journal of Applied Physiology</i> , 1997, 75, 256-262.	1.2	24
103	Four-year stability of cardiovascular reactivity to psychological stress. <i>Journal of Behavioral Medicine</i> , 1997, 20, 447-460.	1.1	19
104	Neuroticism but not cardiovascular stress reactivity is associated with less longitudinal blood pressure increase. <i>Personality and Individual Differences</i> , 1996, 20, 375-380.	1.6	18