Karl-Jürgen Bär

List of Publications by Year in descending order

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Κλαι-ΙΔΊ/αρςεν ΒΔα

#	Article	IF	CITATIONS
1	Associations of common genetic risk variants of the muscarinic acetylcholine receptor M2 with cardiac autonomic dysfunction in patients with schizophrenia. World Journal of Biological Psychiatry, 2022, , 1-11.	1.3	1
2	Cortical thickness and restingâ€state cardiac function across the lifespan: A crossâ€sectional pooled megaâ€analysis. Psychophysiology, 2021, 58, e13688.	1.2	33
3	A common variation in HCN1 is associated with heart rate variability in schizophrenia. Schizophrenia Research, 2021, 229, 73-79.	1.1	13
4	Microstructural alterations in medial forebrain bundle are associated with <scp>interindividual</scp> pain sensitivity. Human Brain Mapping, 2021, 42, 1130-1137.	1.9	6
5	Interrelations between dopamine and serotonin producing sites and regions of the default mode network. Human Brain Mapping, 2021, 42, 811-823.	1.9	12
6	Cortical thinning and associated connectivity changes in patients with anorexia nervosa. Translational Psychiatry, 2021, 11, 95.	2.4	11
7	Working memory in schizophrenia: The role of the locus coeruleus and its relation to functional brain networks. Brain and Behavior, 2021, 11, e02130.	1.0	4
8	Conditioned Pain Modulation (CPM) Effects Captured in Facial Expressions. Journal of Pain Research, 2021, Volume 14, 793-803.	0.8	4
9	The Influence of Heart Rate Variability Biofeedback on Cardiac Regulation and Functional Brain Connectivity. Frontiers in Neuroscience, 2021, 15, 691988.	1.4	36
10	Attenuated neuronal and autonomic responses during error processing in anorexia nervosa. Brain and Behavior, 2021, 11, e2235.	1.0	4
11	Cognitive effects of rapid-acting treatments for resistant depression: Just adverse, or contributing to clinical efficacy?. Journal of Psychiatric Research, 2021, 140, 512-521.	1.5	5
12	Neural mechanisms of pain processing differ between endurance athletes and nonathletes: A functional connectivity magnetic resonance imaging study. Human Brain Mapping, 2021, 42, 5927-5942.	1.9	7
13	Estimating Resting HRV during fMRI: A Comparison between Laboratory and Scanner Environment. Sensors, 2021, 21, 7663.	2.1	4
14	Functional consequences of acute tryptophan depletion on raphe nuclei connectivity and network organization in healthy women. NeuroImage, 2020, 207, 116362.	2.1	12
15	Dissociation of Endogenous Pain Inhibition Due to Conditioned Pain Modulation and Placebo in Male Athletes Versus Nonathletes. Frontiers in Psychology, 2020, 11, 553530.	1.1	11
16	Effect heart rate variability biofeedback on autonomic function and functional connectivity of the prefrontal cortex. , 2020, , .		1
17	The Cardiorespiratory Network in Healthy First-Degree Relatives of Schizophrenic Patients. Frontiers in Neuroscience, 2020, 14, 617.	1.4	3
18	Altered Causal Coupling Pathways within the Central-Autonomic-Network in Patients Suffering from Schizophrenia. Entropy, 2019, 21, 733.	1.1	12

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19	Connectomics-Based Functional Network Alterations in both Depressed Patients with Suicidal Behavior and Healthy Relatives of Suicide Victims. Scientific Reports, 2019, 9, 14330.	1.6	21
20	The relationship between heart rate and functional connectivity of brain regions involved in autonomic control. NeuroImage, 2019, 196, 318-328.	2.1	35
21	The Influence of Continuous Exercising on Chronotropic Incompetence in Multi-Episode Schizophrenia. Frontiers in Psychiatry, 2019, 10, 90.	1.3	7
22	Activation of brainstem and midbrain nuclei during cognitive control in medicated patients with schizophrenia. Human Brain Mapping, 2019, 40, 202-213.	1.9	17
23	Cardio-Respiratory Fitness and Autonomic Function in Patients with Major Depressive Disorder. Frontiers in Psychiatry, 2019, 10, 980.	1.3	10
24	Influence of Parameter Choice on the Detection of High-Dimensional Functional Networks. IFMBE Proceedings, 2019, , 841-845.	0.2	1
25	Resting-state functional connectivity of neurotransmitter producing sites in female patients with borderline personality disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 83, 118-126.	2.5	17
26	Chronotropic incompetence of the heart is associated with exercise intolerance in patients with schizophrenia. Schizophrenia Research, 2018, 197, 162-169.	1.1	10
27	The Use of Physiological Signals in Brainstem/Midbrain fMRI. Frontiers in Neuroscience, 2018, 12, 718.	1.4	8
28	Multivariate assessment of the central-cardiorespiratory network structure in neuropathological disease. Physiological Measurement, 2018, 39, 074004.	1.2	17
29	Towards response success prediction: An integrative approach using high-resolution fMRI and autonomic indices. Neuropsychologia, 2018, 119, 182-190.	0.7	8
30	Changes in fMRI activation in anterior hippocampus and motor cortex during memory retrieval after an intense exercise intervention. Biological Psychology, 2017, 124, 65-78.	1.1	36
31	ECG derived respiration: comparison of time-domain approaches and application to altered breathing patterns of patients with schizophrenia. Physiological Measurement, 2017, 38, 601-615.	1.2	22
32	Assessment of intra- and inter-regional interrelations between GABA+, Glx and BOLD during pain perception in the human brain – A combined 1H fMRS and fMRI study. Neuroscience, 2017, 365, 125-136.	1.1	22
33	Treatment Associated Changes of Functional Connectivity of Midbrain/Brainstem Nuclei in Major Depressive Disorder. Scientific Reports, 2017, 7, 8675.	1.6	61
34	Impact of the heart rate on the shape of the cardiac response function. NeuroImage, 2017, 162, 214-225.	2.1	7
35	Differences of sympathetic and parasympathetic modulation in major depression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 79, 324-331.	2.5	52
36	Baroreflex Coupling Assessed by Cross-Compression Entropy. Frontiers in Physiology, 2017, 8, 282.	1.3	8

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37	Methodological aspects of analyzing high resolved brain connectivity for multiple subjects. Current Directions in Biomedical Engineering, 2017, 3, 417-421.	0.2	0
38	Determining cardiac vagal threshold from short term heart rate complexity. Current Directions in Biomedical Engineering, 2016, 2, 155-159.	0.2	2
39	Hippocampal-Brainstem Connectivity Associated with Vagal Modulation after an Intense Exercise Intervention in Healthy Men. Frontiers in Neuroscience, 2016, 10, 145.	1.4	21
40	Differential involvement of brainstem noradrenergic and midbrain dopaminergic nuclei in cognitive control. Human Brain Mapping, 2016, 37, 2305-2318.	1.9	37
41	Nonlinear causal influences assessed by mutual compression entropy. Current Directions in Biomedical Engineering, 2016, 2, 221-224.	0.2	Ο
42	Functional connectivity and network analysis of midbrain and brainstem nuclei. NeuroImage, 2016, 134, 53-63.	2.1	117
43	Central- and autonomic nervous system coupling in schizophrenia. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150178.	1.6	35
44	Diverse autonomic regulation of pupillary function and the cardiovascular system during alcohol withdrawal. Drug and Alcohol Dependence, 2016, 159, 142-151.	1.6	10
45	Spectral decomposition of pupillary unrest using wavelet entropy. , 2015, 2015, 6154-7.		7
46	High-resolution joint symbolic analysis to enhance classification of the cardiorespiratory system in patients with schizophrenia and their relatives. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140098.	1.6	13
47	Cardiac Autonomic Dysfunction in Patients with Schizophrenia and Their Healthy Relatives – A Small Review. Frontiers in Neurology, 2015, 6, 139.	1.1	47
48	Analyses of Heart Rate, Respiration and Cardiorespiratory Coupling in Patients with Schizophrenia. Entropy, 2015, 17, 483-501.	1.1	32
49	Hippocampal Structure, Metabolism, and Inflammatory Response after a 6-Week Intense Aerobic Exercise in Healthy Young Adults: A Controlled Trial. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1570-1578.	2.4	59
50	The neural basis of the abnormal selfâ€referential processing and its impact on cognitive control in depressed patients. Human Brain Mapping, 2015, 36, 2781-2794.	1.9	35
51	Structural and functional dysconnectivity of theÂfronto-thalamic system in schizophrenia: AÂDCM-DTI study. Cortex, 2015, 66, 35-45.	1.1	68
52	Structural and functional differences in the cingulate cortex relate to disease severity in anorexia nervosa. Journal of Psychiatry and Neuroscience, 2015, 40, 269-279.	1.4	66
53	Detecting Cannabis Use on the Human Skin Surface via an Electronic Nose System. Sensors, 2014, 14, 13256-13272.	2.1	31
54	Differential Cardiac Effects of Aerobic Interval Training Versus Moderate Continuous Training in a Patient with Schizophrenia: A Case Report. Frontiers in Psychiatry, 2014, 5, 119.	1.3	10

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55	Advances in functional magnetic resonance imaging of the human brainstem. NeuroImage, 2014, 86, 91-98.	2.1	103
56	Nonlinear features of heart rate variability in paranoid schizophrenic. Neural Computing and Applications, 2014, 25, 1535-1555.	3.2	13
57	Wichtige Störungen. , 2014, , 35-100.		Ο
58	The relation of autonomic function to physical fitness in patients suffering from alcohol dependence. Drug and Alcohol Dependence, 2013, 132, 505-512.	1.6	21
59	Sport specificity of mental disorders: the issue of sport psychiatry. European Archives of Psychiatry and Clinical Neuroscience, 2013, 263, 205-210.	1.8	67
60	Cardiovascular coupling analysis with high-resolution joint symbolic dynamics in patients suffering from acute schizophrenia. Physiological Measurement, 2013, 34, 883-901.	1.2	39
61	Increased QT variability index as a marker for a cardiac autonomic dysregulation in schizophrenia. , 2013, , .		2
62	Cardiovascular and cardiorespiratory coupling analyses: a review. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120191.	1.6	130
63	Structural basis of the fronto-thalamic dysconnectivity in schizophrenia: A combined DCM-VBM study. NeuroImage: Clinical, 2013, 3, 95-105.	1.4	34
64	Quantification of autonomic regulation in patients with sudden sensorineural hearing loss. Autonomic Neuroscience: Basic and Clinical, 2013, 178, 9-14.	1.4	7
65	The Autonomic Brain: An Activation Likelihood Estimation Meta-Analysis for Central Processing of Autonomic Function. Journal of Neuroscience, 2013, 33, 10503-10511.	1.7	653
66	Enhanced spectral analysis of blood flow during post-occlusive reactive hyperaemia test in different tissue depths. Autonomic Neuroscience: Basic and Clinical, 2013, 178, 15-23.	1.4	5
67	Exercise Reveals the Interrelation of Physical Fitness, Inflammatory Response, Psychopathology, and Autonomic Function in Patients With Schizophrenia. Schizophrenia Bulletin, 2013, 39, 1139-1149.	2.3	37
68	Thresholds and Perception of Cold Pain, Heat Pain, and the Thermal Grill Illusion in Patients With Major Depressive Disorder. Psychosomatic Medicine, 2013, 75, 281-287.	1.3	38
69	Network Redundancy Analysis of Effective Brain Networks; a Comparison of Healthy Controls and Patients with Major Depression. PLoS ONE, 2013, 8, e60956.	1.1	15
70	Heartbeat evoked potentials mirror altered body perception in depressed patients. Clinical Neurophysiology, 2012, 123, 1950-1957.	0.7	165
71	Heart rate turbulence during acute alcohol withdrawal syndrome. Drug and Alcohol Dependence, 2012, 122, 253-257.	1.6	4
72	The Phrenic Component of Acute Schizophrenia – A Name and Its Physiological Reality. PLoS ONE, 2012, 7, e33459.	1.1	48

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73	Cardio-respiratory coupling in untreated patients with major depression. Journal of Affective Disorders, 2012, 139, 166-171.	2.0	29
74	Die phrenische Komponente der Schizophrenie. , 2012, , 27-31.		0
75	Peripheral endothelial dysfunction in patients suffering from acute schizophrenia: A potential marker for cardiovascular morbidity?. Schizophrenia Research, 2011, 128, 44-50.	1.1	25
76	Endothelial dysfunction during acute alcohol withdrawal syndrome. Drug and Alcohol Dependence, 2011, 119, 113-122.	1.6	8
77	Perception to laser heat stimuli in depressed patients is reduced to Al ² - and selective C-fiber stimulation. Neuroscience Letters, 2011, 498, 89-92.	1.0	12
78	Gender-dependent impact of major depression on autonomic cardiovascular modulation. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1131-1138.	2.5	45
79	Autonomic modulation in healthy first-degree relatives of patients with major depressive disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1723-1728.	2.5	12
80	Pseudohypoalgesia on the Skin. Journal of Clinical Psychopharmacology, 2011, 31, 103-107.	0.7	28
81	Nonlinear relationship between electrodermal activity and heart rate variability in patients with acute schizophrenia. Psychophysiology, 2011, 48, 1323-1332.	1.2	38
82	Sad mood increases pain sensitivity upon thermal grill illusion stimulation: Implications for central pain processing. Pain, 2011, 152, 123-130.	2.0	41
83	Differential processing of laser stimuli by Al̃´and C fibres in major depression. Pain, 2011, 152, 1796-1802.	2.0	18
84	Dynamic Microvascular Blood Flow Analysis During Post-Occlusive Reactive Hyperemia Test in Patients with Schizophrenia. Annals of Biomedical Engineering, 2011, 39, 1972-1983.	1.3	6
85	Autonomic Nervous System Activation During Social Cognition Tasks in Patients With Schizophrenia and Their Unaffected Relatives. Cognitive and Behavioral Neurology, 2011, 24, 194-203.	0.5	21
86	Sympathetic skin response following painful electrical stimulation is increased in major depression. Pain, 2010, 149, 130-134.	2.0	23
87	Is successful electroconvulsive therapy related to stimulation of the vagal system?. Journal of Affective Disorders, 2010, 125, 323-329.	2.0	19
88	Reduced cardio-respiratory coupling after treatment with nortriptyline in contrast to S-citalopram. Journal of Affective Disorders, 2010, 127, 266-273.	2.0	19
89	Increased QT variability in patients with anorexia nervosa—An indicator for increased cardiac mortality?. International Journal of Eating Disorders, 2010, 43, 743-750.	2.1	38
90	Increased sensitivity to heat pain after sad mood induction in female patients with major depression. European Journal of Pain, 2010, 14, 559-563.	1.4	33

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91	Increased pain sensitivity in alcohol withdrawal syndrome. European Journal of Pain, 2010, 14, 713-718.	1.4	98
92	Influence of Age on Linear and Nonlinear Measures of Autonomic Cardiovascular Modulation. Annals of Noninvasive Electrocardiology, 2010, 15, 165-174.	0.5	48
93	Increased neuronal cell number in the dorsal motor nucleus of the vagus in schizophrenia. Acta Neuropsychiatrica, 2010, 22, 26-34.	1.0	Ο
94	Heart Rate Variability, QT Variability, and Electrodermal Activity during Exercise. Medicine and Science in Sports and Exercise, 2010, 42, 443-448.	0.2	49
95	Autonomic Dysfunction in Unaffected First-Degree Relatives of Patients Suffering From Schizophrenia. Schizophrenia Bulletin, 2010, 36, 1050-1058.	2.3	70
96	The altered complexity of cardiovascular regulation in depressed patients. Physiological Measurement, 2010, 31, 303-321.	1.2	77
97	The influence of negative mood on heart rate complexity measures and baroreflex sensitivity in healthy subjects. Indian Journal of Psychiatry, 2010, 52, 42.	0.4	11
98	Impaired cerebral autoregulation during acute alcohol withdrawal. Drug and Alcohol Dependence, 2010, 110, 240-246.	1.6	21
99	Gastric dysmotility in major depression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 92-97.	2.5	31
100	Dissociation of performance parameters at the IAT requires specific exercise recommendations for depressed patients. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 131-135.	2.5	8
101	Reduced cardio-respiratory coupling indicates suppression of vagal activity in healthy relatives of patients with schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 406-411.	2.5	39
102	Inflammatory changes upon a single maximal exercise test in depressed patients and healthy controls. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 475-478.	2.5	13
103	Ventilatory inefficiency in major depressive disorder: A potential adjunct for cardiac risk stratification in depressive disorders?. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 882-887.	2.5	10
104	Does parasympathetic modulation prior to ECT treatment influence therapeutic outcome?. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 1174-1180.	2.5	12
105	Gastric dysmotility in healthy first-degree relatives of patients with schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 1294-1299.	2.5	13
106	Increased Cold-Pain Thresholds in Major Depression. Journal of Pain, 2010, 11, 287-290.	0.7	56
107	Reduced heat pain thresholds after sad-mood induction are associated with changes in thalamic activity. Neuropsychologia, 2009, 47, 980-987.	0.7	52
108	The relation of ventromedial prefrontal cortex activity and heart rate fluctuations at rest. European Journal of Neuroscience, 2009, 30, 2205-2210.	1.2	55

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109	Linear and non-linear measures indicate gastric dysmotility in patients suffering from acute schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2009, 33, 1236-1240.	2.5	27
110	Increased vagal modulation in atopic dermatitis. Journal of Dermatological Science, 2009, 53, 55-59.	1.0	28
111	Correlations between the autonomic modulation of heart rate, blood pressure and the pupillary light reflex in healthy subjects. Journal of the Neurological Sciences, 2009, 279, 9-13.	0.3	41
112	Cardio-respiratory coupling indicates suppression of vagal activity in acute schizophrenia. Schizophrenia Research, 2009, 112, 153-157.	1.1	56
113	Physical Fitness and Heart Rate Recovery Are Decreased in Major Depressive Disorder. Psychosomatic Medicine, 2009, 71, 519-523.	1.3	52
114	Autonomy of Autonomic Dysfunction in Major Depression. Psychosomatic Medicine, 2009, 71, 852-860.	1.3	167
115	Neurobrucellosis with thalamic infarction: a case report. Neurological Sciences, 2008, 29, 481-483.	0.9	12
116	Nonlinear broad band dynamics are less complex in major depression. Bipolar Disorders, 2008, 10, 276-284.	1.1	54
117	Gastric dysmotility in patients with major depression. Journal of Affective Disorders, 2008, 110, 185-190.	2.0	21
118	The interaction between pupil function and cardiovascular regulation in patients with acute schizophrenia. Clinical Neurophysiology, 2008, 119, 2209-2213.	0.7	65
119	Relationship between cardiovagal modulation and psychotic state in patients with paranoid schizophrenia. Psychiatry Research, 2008, 157, 255-257.	1.7	70
120	Reduced cardio-respiratory coupling in acute alcohol withdrawal. Drug and Alcohol Dependence, 2008, 98, 210-217.	1.6	25
121	Influence of Olanzapine on QT Variability and Complexity Measures of Heart Rate in Patients With Schizophrenia. Journal of Clinical Psychopharmacology, 2008, 28, 694-698.	0.7	40
122	Influence of Galantamine on Vasomotor Reactivity in Alzheimer's Disease and Vascular Dementia Due to Cerebral Microangiopathy. Stroke, 2007, 38, 3186-3192.	1.0	65
123	Increased QT interval variability index in acute alcohol withdrawal. Drug and Alcohol Dependence, 2007, 89, 259-266.	1.6	43
124	Decreased sensitivity to thermal pain in rats bred for high anxiety-related behaviour is attenuated by citalopram or diazepam treatment. Behavioural Brain Research, 2007, 183, 18-24.	1.2	25
125	Non-linear complexity measures of heart rate variability in acute schizophrenia. Clinical Neurophysiology, 2007, 118, 2009-2015.	0.7	131
126	Acute psychosis leads to increased QT variability in patients suffering from schizophrenia. Schizophrenia Research, 2007, 95, 115-123.	1.1	85

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127	Increased Prefrontal Activation During Pain Perception in Major Depression. Biological Psychiatry, 2007, 62, 1281-1287.	0.7	121
128	Decreased baroreflex sensitivity in acute schizophrenia. Journal of Applied Physiology, 2007, 102, 1051-1056.	1.2	86
129	Altered diurnal autonomic variation and reduced vagal information flow in acute schizophrenia. Clinical Neurophysiology, 2006, 117, 2715-2722.	0.7	96
130	Changes of Pain Perception, Autonomic Function, and Endocrine Parameters During Treatment of Anorectic Adolescents. Journal of the American Academy of Child and Adolescent Psychiatry, 2006, 45, 1068-1076.	0.3	49
131	Reduced baroreflex sensitivity in acute alcohol withdrawal syndrome and in abstained alcoholics. Drug and Alcohol Dependence, 2006, 85, 66-74.	1.6	54
132	Influence of antipsychotic medication on pain perception in schizophrenia. Psychiatry Research, 2006, 142, 151-156.	1.7	69
133	Heart Rate Variability and Sympathetic Skin Response in Male Patients Suffering From Acute Alcohol Withdrawal Syndrome. Alcoholism: Clinical and Experimental Research, 2006, 30, 1592-1598.	1.4	35
134	Decreased sensitivity to experimental pain in adjustment disorder. European Journal of Pain, 2006, 10, 467-467.	1.4	49
135	Differences between heart rate and blood pressure variability in schizophrenia. Biomedizinische Technik, 2006, 51, 237-239.	0.9	18
136	Painful Hallucinations and Somatic Delusions in a Patient With the Possible Diagnosis of Neuroborreliosis. Clinical Journal of Pain, 2005, 21, 362-363.	0.8	19
137	Lateralization of pupillary light reflex parameters. Clinical Neurophysiology, 2005, 116, 790-798.	0.7	25
138	Reply to Fountoulakis et al Clinical Neurophysiology, 2005, 116, 2505-2506.	0.7	1
139	Pain perception in major depression depends on pain modality. Pain, 2005, 117, 97-103.	2.0	196
140	The influence of major depression and its treatment on heart rate variability and pupillary light reflex parameters. Journal of Affective Disorders, 2004, 82, 245-252.	2.0	144
141	Transient activation of a somatosensory area in painful hallucinations shown by fMRI. NeuroReport, 2002, 13, 805-808.	0.6	40
142	Serial Positron Emission Tomographic Findings in an Atypical Presentation of Fatal Familial Insomnia. Archives of Neurology, 2002, 59, 1815.	4.9	19