A meta-analysis of heart rate variability and neuroimag
rate variability as a marker of stress and health

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Citation Report

#	Article	IF	Citations
1	Neural aspects of immunomodulation: Focus on the vagus nerve. Brain, Behavior, and Immunity, 2010, 24, 1223-1228.	2.0	162
2	Implementing clinically feasible psychophysiological measures in evidence-based assessments of adolescent social anxiety.. Professional Psychology: Research and Practice, 2012, 43, 510-519.	0.6	33
3	Cerebral cortex and sub-cortex lateralization in cardiovascular regulation: Correlations of BOLD fMRI and heart rate variability. , 2012, 2012, 3412-5.		1
4	Why Should We Integrate Biomarkers into Complex Trials?. Research in Complementary Medicine, 2012, 19, 232-233.	2.2	1
5	The relationships among heart rate variability, executive functions, and clinical variables in patients with panic disorder. International Journal of Psychophysiology, 2012, 86, 269-275.	0.5	76
6	Ventromedial prefrontal-subcortical systems and the generation of affective meaning. Trends in Cognitive Sciences, 2012, 16, 147-156.	4.0	705
7	Attention-deficit hyperactivity disorder and cardiac vagal control: a systematic review. ADHD Attention Deficit and Hyperactivity Disorders, 2012, 4, 167-177.	1.7	58
8	Social neuroscience and health: neurophysiological mechanisms linking social ties with physical health. Nature Neuroscience, 2012, 15, 669-674.	7.1	409
9	Altered cortical activation patterns associated with baroreflex unloading following 24 h of physical deconditioning. Experimental Physiology, 2012, 97, 1249-1262.	0.9	14
10	Does lavender aromatherapy alleviate premenstrual emotional symptoms?: a randomized crossover trial. BioPsychoSocial Medicine, 2013, 7, 12.	0.9	46
11	Associations between respiratory sinus arrhythmia reactivity and internalizing and externalizing symptoms are emotion specific. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 238-251.	1.0	91
12	Individual differences in spatial configuration learning predict the occurrence of intrusive memories. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 186-196.	1.0	23
13	Quality of life, emotion regulation, and heart rate variability in individuals with intellectual disabilities and concomitant impaired vision. Psychology of Well-being, 2013, 3, 1.	2.3	17
14	Tired and Apprehensive: Anxiety Amplifies the Impact of Sleep Loss on Aversive Brain Anticipation. Journal of Neuroscience, 2013, 33, 10607-10615.	1.7	81
15	The behavioral impact of baroreflex function: A review. Psychophysiology, 2013, 50, 1183-1193.	1.2	74
16	Norms of vagal nerve activity, indexed by Heart Rate Variability, in cancer patients. Cancer Epidemiology, 2013, 37, 737-741.	0.8	66
17	Defensive coping facilitates higher blood pressure and early sub-clinical structural vascular disease via alterations in heart rate variability: The SABPA study. Atherosclerosis, 2013, 227, 391-397.	0.4	36
18	Heart rate correlates of utilitarian moral decision-making in alcoholism. Drug and Alcohol Dependence, 2013, 133, 413-419.	1.6	17

#	Article	IF	Citations
19	Smartphone-enabled pulse rate variability: An alternative methodology for the collection of heart rate variability in psychophysiological research. International Journal of Psychophysiology, 2013, 89, 297-304.	0.5	98
20	Study on Fear Emotion Recognition Based on Traditional Chinese Medicine and Body Sensor Network. , 2013, , .		2
21	The influence of pemirolast on autonomic imbalance in rat cystitis model. Open Medicine (Poland), 2013, 8, 766-775.	0.6	0
22	Climato-economic habitats support patterns of human needs, stresses, and freedoms. Behavioral and Brain Sciences, 2013, 36, 465-480.	0.4	241
23	Diminished vagal activity and blunted diurnal variation of heart rate dynamics in posttraumatic stress disorder. Stress, 2013, 16, 300-310.	0.8	68
24	The biological and psychological basis of neuroticism: Current status and future directions. Neuroscience and Biobehavioral Reviews, 2013, 37, 59-72.	2.9	186
25	Exaggerated neurobiological sensitivity to threat as a mechanism linking anxiety with increased risk for diseases of aging. Neuroscience and Biobehavioral Reviews, 2013, 37, 96-108.	2.9	107
26	Heterogeneity of defensive responses after exposure to trauma: Blunted autonomic reactivity in response to startling sounds. International Journal of Psychophysiology, 2013, 90, 80-89.	0.5	79
27	Association between heart rate variability and fluctuations in resting-state functional connectivity. NeuroImage, 2013, 68, 93-104.	2.1	309
28	Vagal function indexed by respiratory sinus arrhythmia and cholinergic anti-inflammatory pathway. Respiratory Physiology and Neurobiology, 2013, 187, 78-81.	0.7	24
29	Heart rate variability and its neural correlates during emotional face processing in social anxiety disorder. Biological Psychology, 2013, 94, 319-330.	1.1	57
30	Vagal nerve activity as a moderator of brainâ€“immune relationships. Journal of Neuroimmunology, 2013, 260, 28-36.	1.1	38
31	Autonomic nervous system activity and workplace stressorsâ€”A systematic review. Neuroscience and Biobehavioral Reviews, 2013, 37, 1810-1823.	2.9	179
32	Combinations of resting RSA and RSA reactivity impact maladaptive mood repair and depression symptoms. Biological Psychology, 2013, 94, 272-281.	1.1	43
33	Brain-Gut Interactions in Inflammatory Bowel Disease. Gastroenterology, 2013, 144, 36-49.	0.6	512
34	Subgenual anterior cingulate cortex activity covariation with cardiac vagal control is altered in depression. Journal of Affective Disorders, 2013, 150, 565-570.	2.0	64
35	Mindfulness and heart rate variability in individuals with high and low generalized anxiety symptoms. Behaviour Research and Therapy, 2013, 51, 386-391.	1.6	50
36	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

#	Article	IF	Citations
37	The relationship between mental and physical health: Insights from the study of heart rate variability. International Journal of Psychophysiology, 2013, 89, 288-296.	0.5	418
38	Social ties and health: a social neuroscience perspective. Current Opinion in Neurobiology, 2013, 23, 407-413.	2.0	55
39	Prefrontal cortex activity, sympatho-vagal reaction and behaviour distinguish between situations of feed reward and frustration in dwarf goats. Behavioural Brain Research, 2013, 239, 104-114.	1.2	50
40	Resting parietal EEG asymmetry and cardiac vagal tone predict attentional control. Biological Psychology, 2013, 93, 257-261.	1.1	15
41	Somatization is associated with deficits in affective Theory of Mind. Journal of Psychosomatic Research, 2013, 74, 479-485.	1.2	66
42	Bliss Buzzer, a system to monitor health and stress with real-time feedback. , 2013, , .		3
44	The effect of a single episode of short duration heart rate variability biofeedback on measures of anxiety and relaxation states.. International Journal of Stress Management, 2013, 20, 391-411.	0.9	35
45	Heart Rate Variability and Electrodermal Activity as Noninvasive Indices of Sympathovagal Balance in Response to Stress. Acta Medica Martiniana, 2013, 13, 5-13.	0.4	14
46	Heart Rate Variability Anatomy and Physiology. Biofeedback, 2013, 41, 13-25.	0.3	41
47	Heart rate variability during sleep in detoxified alcohol-dependent males: A comparison with healthy controls. Indian Journal of Psychiatry, 2013, 55, 173.	0.4	9
48	The Effect of Guided Imagery on Stress and Fatigue in Patients with Thyroid Cancer Undergoing Radioactive Iodine Therapy. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-8.	0.5	14
49	Extending climato-economic theory: When, how, and why it explains differences in nations' creativity. Behavioral and Brain Sciences, 2013, 36, 493-494.	0.4	18
50	How is freedom distributed across the earth?. Behavioral and Brain Sciences, 2013, 36, 482-483.	0.4	34
51	An Empirical Review of the Neural Underpinnings of Receiving and Giving Social Support. Psychosomatic Medicine, 2013, 75, 545-556.	1.3	140
52	Ecological priming: Convergent evidence for the link between ecology and psychological processes. Behavioral and Brain Sciences, 2013, 36, 489-490.	0.4	10
53	Cultural adaptations to the differential threats posed by hot versus cold climates. Behavioral and Brain Sciences, 2013, 36, 497-498.	0.4	38
54	Frontier migration fosters ethos of independence: Deconstructing the climato-economic theory of human culture. Behavioral and Brain Sciences, 2013, 36, 486-487.	0.4	5
55	The need for psychological needs: A role for social capital. Behavioral and Brain Sciences, 2013, 36, 495-496.	0.4	2

#	Article	IF	Citations
56	Methodological suggestions for climato-economic theory. Behavioral and Brain Sciences, 2013, 36, 494-495.	0.4	0
57	Cultural adaptation to environmental change versus stability. Behavioral and Brain Sciences, 2013, 36, 485-486.	0.4	2
58	Managing Traumatic Brain Injury: Appropriate Assessment and a Rationale for Using Neurofeedback and Biofeedback to Enhance Recovery in Postconcussion Syndrome. Biofeedback, 2013, 41, 158-173.	0.3	6
59	Shared adaptiveness is not group adaptation. Behavioral and Brain Sciences, 2013, 36, 499-500.	0.4	0
60	Unsurprising, in a good way. Behavioral and Brain Sciences, 2013, 36, 491-492.	0.4	0
61	White, gray, and black domains of cultural adaptations to climato-economic conditions. Behavioral and Brain Sciences, 2013, 36, 503-521.	0.4	51
62	Improving climato-economic theorizing at the individual level. Behavioral and Brain Sciences, 2013, 36, 488-489.	0.4	3
63	Press freedom, oil exports, and risk for natural disasters: A challenge for climato-economic theory?. Behavioral and Brain Sciences, 2013, 36, 483-483.	0.4	2
64	Interpersonal exchange and freedom for resource acquisition. Behavioral and Brain Sciences, 2013, 36, 480-481.	0.4	0
65	Individual identity and freedom of choice in the context of environmental and economic conditions. Behavioral and Brain Sciences, 2013, 36, 484-484.	0.4	2
66	What about politics and culture?. Behavioral and Brain Sciences, 2013, 36, 490-491.	0.4	1
67	Toward an integrated, causal, and psychological model of climato-economics. Behavioral and Brain Sciences, 2013, 36, 496-497.	0.4	0
68	Contextual freedom: Absoluteness versus relativity of freedom. Behavioral and Brain Sciences, 2013, 36, 498-499.	0.4	0
69	Fundamental freedoms and the psychology of threat, bargaining, and inequality. Behavioral and Brain Sciences, 2013, 36, 500-501.	0.4	0
70	Personality traits, national character stereotypes, and climateâ€“economic conditions. Behavioral and Brain Sciences, 2013, 36, 501-502.	0.4	3
71	Play, animals, resources: The need for a rich (and challenging) comparative environment. Behavioral and Brain Sciences, 2013, 36, 484-485.	0.4	35
72	What is freedomâ€“and does wealth cause it?. Behavioral and Brain Sciences, 2013, 36, 492-493.	0.4	0
73	Is there a role for â€œclimatotherapyâ€•in the sustainable development of mental health?. Behavioral and Brain Sciences, 2013, 36, 487-488.	0.4	1

#	Article	IF	Citations
74	Subtle variation in ambient room temperature influences the expression of social cognition. Behavioral and Brain Sciences, 2013, 36, 502-503.	0.4	0
75	Cold climates demand more intertemporal self-control than warm climates. Behavioral and Brain Sciences, 2013, 36, 481-482.	0.4	67
76	Interactions between autonomic cardiovascular regulation and cortical activity: A <scp>CNV</scp> study. Psychophysiology, 2013, 50, 388-397.	1.2	31
77	Cardiac vagal tone is correlated with selective attention to neutral distractors under load. Psychophysiology, 2013, 50, 398-406.	1.2	84
78	The Tale of Hearts and Reason: The Influence of Mood on Decision Making. Journal of Sport and Exercise Psychology, 2013, 35, 339-357.	0.7	61
79	Effects of Implementing an Ergonomic Work Schedule on Heart Rate Variability in Shiftâ€working Nurses. Journal of Occupational Health, 2013, 55, 225-233.	1.0	13
80	Evaluation of remifentanil anesthesia for off-pump coronary artery bypass grafting surgery using heart rate variability. Experimental and Therapeutic Medicine, 2013, 6, 253-259.	0.8	10
81	Heart rate variability as a biomarker for autonomic nervous system response differences between children with chronic pain and healthy control children. Journal of Pain Research, 2013, 6, 449.	0.8	120
82	Hemodynamic Reactivity to Laboratory Stressors in Healthy Subjects: Influence of Gender and Family History of Cardiovascular Diseases. International Journal of Medical Sciences, 2013, 10, 848-856.	1.1	10
83	Meta-Analysis of Heart Rate Variability as a Psychophysiological Indicator of Posttraumatic Stress Disorder. Journal of Trauma & Treatment, 2013, 03, .	0.0	17
84	Affective Instability in Daily Life Is Predicted by Resting Heart Rate Variability. PLoS ONE, 2013, 8, e81536.	1.1	104
85	Psychophysiological Response Patterns to Affective Film Stimuli. PLoS ONE, 2013, 8, e62661.	1.1	39
86	Autonomic nervous system correlates in movement observation and motor imagery. Frontiers in Human Neuroscience, 2013, 7, 415.	1.0	72
87	A role for autonomic cardiac control in the effects of oxytocin on social behavior and psychiatric illness. Frontiers in Neuroscience, 2013, 7, 48.	1.4	49
88	Psychophysiological Methods to Evaluate Userâ€™s Response in Human Robot Interaction: A Review and Feasibility Study. Robotics, 2013, 2, 92-121.	2.1	30
89	Effects of Emotion Regulation Difficulties on the Tonic and Phasic Cardiac Autonomic Response. PLoS ONE, 2014, 9, e102971.	1.1	74
90	Psychotherapy participants show increased physiological responsiveness to a lab stressor relative to matched controls. Frontiers in Psychology, 2014, 5, 795.	1.1	7
91	Wearable biosensor systems and resilience: a perfect storm in health care?. Frontiers in Psychology, 2014, 5, 853.	1.1	12

#	Article	IF	Citations
92	Habituation of parasympathetic-mediated heart rate responses to recurring acoustic startle. Frontiers in Psychology, 2014, 5, 1288.	1.1	13
93	Neural and sympathetic activity associated with exploration in decision-making: further evidence for involvement of insula. Frontiers in Behavioral Neuroscience, 2014, 8, 381.	1.0	7
94	Heart rate variability: a tool to explore the sleeping brain?. Frontiers in Neuroscience, 2014, 8, 402.	1.4	113
95	Reduced Anxiety in Forensic Inpatients after a Long-Term Intervention with Atlantic Salmon. Nutrients, 2014, 6, 5405-5418.	1.7	23
96	SNPs as Co-morbid Factors for Drug Abuse and Ischemic Heart Disease. Gene Technology, 2014, 03, .	0.5	0
97	Alexithymia, Physiological Reactivity and Cognitive Appraisals of Emotional Stimuli in Opiate Dependents: A Pilot Study.. Journal of Neurology & Neurophysiology, 2014, 06, .	0.1	1
98	Smartphone Platform Survey-Scale Heart Rate Collection. , 2014, , .		1
99	Flexibility of the fatherâ€™s brain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9671-9672.	3.3	3
100	Ventromedial Prefrontal Cortex Lesions Alter Neural and Physiological Correlates of Anticipation. Journal of Neuroscience, 2014, 34, 10430-10437.	1.7	35
101	Heart Rate Variability Predicts Control Over Memory Retrieval. Psychological Science, 2014, 25, 458-465.	1.8	70
102	Cumulative Adversity Sensitizes Neural Response to Acute Stress: Association with Health Symptoms. Neuropsychopharmacology, 2014, 39, 670-680.	2.8	73
103	From the heart to the mind: cardiac vagal tone modulates top-down and bottom-up visual perception and attention to emotional stimuli. Frontiers in Psychology, 2014, 5, 278.	1.1	227
104	Heart rate variability interventions for concussion and rehabilitation. Frontiers in Psychology, 2014, 5, 890.	1.1	47
105	Role of medial prefrontal cortex in representing oneâ€™s own subjective emotional responses: A preliminary study. Consciousness and Cognition, 2014, 29, 117-130.	0.8	32
106	Individual differences in resting heart rate variability and cognitive control in posttraumatic stress disorder. Frontiers in Psychology, 2014, 5, 758.	1.1	75
107	Brooding rumination and heart rate variability in women at high and low risk for depression: Group differences and moderation by COMT genotype.. Journal of Abnormal Psychology, 2014, 123, 61-67.	2.0	36
108	Forking Cinematic Paths to the Self: Neurocinematically Informed Model of Empathy in Motion Pictures. Projections (New York), 2014, 8, .	0.1	24
109	Heart Rate Measurement Using Video in Different User States for Online HCI Applications. Procedia Computer Science, 2014, 39, 20-27.	1.2	2

#	Article	IF	Citations
110	Board #117 - Research Abstract Peer Teaching. Simulation in Healthcare, 2014, 9, 406.	0.7	0
111	Brain Circuitry Supporting Multi-Organ Autonomic Outflow in Response to Nausea. Cerebral Cortex, 2016, 26, bhu172.	1.6	40
112	Physiological Correlates of Bipolar Spectrum Disorders and their Treatment. Current Topics in Behavioral Neurosciences, 2014, 21, 47-102.	0.8	5
113	Electrophysiology and Psychophysiology in Psychiatry and Psychopharmacology. Current Topics in Behavioral Neurosciences, 2014, , .	0.8	2
114	Your heart might give away your emotions. , 2014, , .		1
115	Associations between inhibitory control, respiratory sinus arrhythmia, and externalizing problems in early childhood. Developmental Psychobiology, 2014, 56, 686-699.	0.9	34
116	Increased association over time between regional frontal lobe BOLD change magnitude and cardiac vagal control with sertraline treatment for major depression. Psychiatry Research - Neuroimaging, 2014, 224, 225-233.	0.9	24
117	Evaluation of the influence of ayurvedic formulation (Ayushman-15) on psychopathology, heart rate variability and stress hormonal level in major depression (Vishada). Asian Journal of Psychiatry, 2014, 12, 100-107.	0.9	15
118	The Impact of Cognitive Fatigue on Age-related Differences in Neuromuscular Function. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1924-1928.	0.2	0
119	Heart Rate Variability Characteristics in a Large Group of Active-Duty Marines and Relationship to Posttraumatic Stress. Psychosomatic Medicine, 2014, 76, 292-301.	1.3	80
120	Inhalation/Exhalation Ratio Modulates the Effect of Slow Breathing on Heart Rate Variability and Relaxation. Applied Psychophysiology Biofeedback, 2014, 39, 171-180.	1.0	156
121	Moving ahead in the study of the development of emotion regulation. International Journal of Behavioral Development, 2014, 38, 203-207.	1.3	71
122	Atypical patterns of respiratory sinus arrhythmia index an endophenotype for depression. Development and Psychopathology, 2014, 26, 1337-1352.	1.4	48
123	Exercise Training Improves Heart Rate Variability after Methamphetamine Dependency. Medicine and Science in Sports and Exercise, 2014, 46, 1057-1066.	0.2	47
124	Investigating the â€˜placebo personalityâ€™ outside the pain paradigm. Journal of Psychosomatic Research, 2014, 76, 414-421.	1.2	29
125	Differences in HPA-axis and heart rate responsiveness to psychosocial stress in children with autism spectrum disorders with and without co-morbid anxiety. Psychoneuroendocrinology, 2014, 46, 32-45.	1.3	112
126	Self-compassion training modulates alpha-amylase, heart rate variability, and subjective responses to social evaluative threat in women. Psychoneuroendocrinology, 2014, 42, 49-58.	1.3	226
127	The neural subjective frame: from bodily signals to perceptual consciousness. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130208.	1.8	144

#	Article	IF	Citations
128	Bradycardia in frontotemporal dementia. NeurologÃa (English Edition), 2014, 29, 76-85.	0.2	3
129	Is it possible to bridge the Biopsychosocial and Biomedical models?. BioPsychoSocial Medicine, 2014, 8, 3.	0.9	39
130	Heart rate variability and experimentally induced pain in healthy adults: A systematic review. European Journal of Pain, 2014, 18, 301-314.	1.4	173
131	Cortisol mediates the effects of stress on the contextual dependency of memories. Psychoneuroendocrinology, 2014, 41, 97-110.	1.3	36
132	Brainâ€“heart crosstalk: the many faces of stress-related cardiomyopathy syndromes in anaesthesia and intensive care. British Journal of Anaesthesia, 2014, 112, 803-815.	1.5	69
133	The 5-HTTLPR genotype modulates heart rate variability and its adjustment by pharmacological panic challenge in healthy men. Journal of Psychiatric Research, 2014, 50, 51-58.	1.5	12
134	Alterations in Vagal-Immune Pathway in Long-Lasting Mental Stress. Advances in Experimental Medicine and Biology, 2014, 832, 45-50.	0.8	10
135	Regulatory focus moderates the relationship between task control and physiological and psychological markers of stress: A work simulation study. International Journal of Psychophysiology, 2014, 94, 390-398.	0.5	14
136	Central correlation of muscle sympathetic nerve activation during baroreflex unloading â€“ a microneurographyâ€“positron emission tomography study. European Journal of Neuroscience, 2014, 39, 623-629.	1.2	10
137	Individual differences in heart rate variability are associated with the avoidance of negative emotional events. Biological Psychology, 2014, 103, 322-331.	1.1	18
138	Resting heart rate variability and the startle reflex to briefly presented affective pictures. International Journal of Psychophysiology, 2014, 94, 329-335.	0.5	16
139	Neural control of the heart. Neurology, 2014, 83, 261-271.	1.5	170
140	Ventral medial prefrontal cortex and person evaluation: Forming impressions of others varying in financial and moral status. NeuroImage, 2014, 100, 535-543.	2.1	28
141	Temporal unpredictability of a stimulus sequence affects brain activation differently depending on cognitive task demands. NeuroImage, 2014, 101, 236-244.	2.1	17
142	Factors influencing the role of cardiac autonomic regulation in the service of cognitive control. Biological Psychology, 2014, 102, 88-97.	1.1	29
143	Autonomic effects of cognitive reappraisal and acceptance in social anxiety: Evidence for common and distinct pathways for parasympathetic reactivity. Journal of Anxiety Disorders, 2014, 28, 795-803.	1.5	12
144	Cognitive emotion regulation and stress: a multiple mediation approach. Translational Neuroscience, 2014, 5, .	0.7	20
145	Neuropathological and neuromorphometric abnormalities in bipolar disorder: View from the medial prefrontal cortical network. Neuroscience and Biobehavioral Reviews, 2014, 42, 132-147.	2.9	126

#	Article	IF	Citations
146	Frequency of Mentally Stimulating Activities Modifies the Relationship Between Cardiovascular Reactivity and Executive Function in Old Age. American Journal of Geriatric Psychiatry, 2014, 22, 1210-1221.	0.6	22
147	Bradicardia en la demencia frontotemporal. NeurologÃa, 2014, 29, 76-85.	0.3	9
148	Resting physiological arousal is associated with the experience of music-induced chills. International Journal of Psychophysiology, 2014, 93, 220-226.	0.5	20
149	The use of fMRI to detect neural responses to cognitive interference and planning: Evidence for a contribution of task related changes in heart rate?. Journal of Neuroscience Methods, 2014, 229, 97-107.	1.3	9
150	Altered autonomic arousal in psychosis: An analysis of vulnerability and specificity. Schizophrenia Research, 2014, 154, 73-78.	1.1	33
151	Gaining insight into adolescent vulnerability for social anxiety from developmental cognitive neuroscience. Developmental Cognitive Neuroscience, 2014, 8, 65-76.	1.9	80
152	Heart Rate Variability. , 2014, , .		56
153	Associations between attention, affect and cardiac activity in a single yoga session for female cancer survivors: An enactive neurophenomenology-based approach. Consciousness and Cognition, 2014, 27, 129-146.	0.8	26
154	Is the ability to keep your mind sharp under pressure reflected in your heart? Evidence for the neurophysiological bases of decision reinvestment. Biological Psychology, 2014, 100, 34-42.	1.1	55
155	The role of resting frontal EEG asymmetry in psychopathology: Afferent or efferent filter?. Developmental Psychobiology, 2014, 56, 73-85.	0.9	50
156	A healthy heart is not a metronome: an integrative review of the heart's anatomy and heart rate variability. Frontiers in Psychology, 2014, 5, 1040.	1.1	1,077
157	The manifold effects of positive affect on heart rate variability in everyday life: Distinguishing within-person and between-person associations.. Health Psychology, 2014, 33, 1065-1073.	1.3	52
158	Peer rejection cues induce cardiac slowing after transition into adolescence.. Developmental Psychology, 2014, 50, 947-955.	1.2	32
159	Board #118 - Research Abstract Real Time Quantification of Stress during High-fidelity Human Simulation for a Standardized Learning Experience (Submission #9956). Simulation in Healthcare, 2014, 9, 406.	0.7	0
160	Dietary sodium influences the effect of mental stress on heart rate variability. Journal of Hypertension, 2014, 32, 374-382.	0.3	12
161	Heart rate pattern and resting heart rate variability mediate individual differences in contextual anxiety and conditioned responses. International Journal of Psychophysiology, 2015, 98, 567-576.	0.5	13
162	Individual Differences in UGV Operation. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 741-745.	0.2	7
163	Rightward dominance in temporal highâ€frequency electrical asymmetry corresponds to higher resting heart rate and lower baroreflex sensitivity in a heterogeneous population. Brain and Behavior, 2015, 5, e00343.	1.0	13

#	Article	IF	Citations
164	The impact of mindfulness on emotion dysregulation and psychophysiological reactivity under emotional provocation.. Psychology of Consciousness: Theory Research, and Practice, 2015, 2, 90-109.	0.3	17
165	Heart rate variability: a biomarker of dairy calf welfare. Animal Production Science, 2015, 55, 1289.	0.6	12
166	We should be using nonlinear indices when relating heart-rate dynamics to cognition and mood. Scientific Reports, 2015, 5, 16619.	1.6	66
167	Characteristics of Oscillatory Brain Systems and the Cardiac Defensive Reflex in Patients with Newly Diagnosed Arterial Hypertension. Neuroscience and Behavioral Physiology, 2015, 45, 800-810.	0.2	0
168	Exposure to Discrimination and Heart Rate Variability Reactivity to Acute Stress among Women with Diabetes. Stress and Health, 2015, 31, 255-262.	1.4	43
169	The effect of cognitive fatigue on prefrontal cortex correlates of neuromuscular fatigue in older women. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 115.	2.4	34
170	Partial Amelioration of Medial Visceromotor Network Dysfunction in Major Depression by Sertraline. Psychosomatic Medicine, 2015, 77, 752-761.	1.3	9
171	Early adversity, neural development, and inflammation. Developmental Psychobiology, 2015, 57, 887-907.	0.9	40
172	Modulation of Muscle Tone and Sympathovagal Balance in Cervical Dystonia Using Percutaneous Stimulation of the Auricular Vagus Nerve. Artificial Organs, 2015, 39, E202-12.	1.0	25
173	Relaxation training assisted by heart rate variability biofeedback: Implication for a military predeployment stress inoculation protocol. Psychophysiology, 2015, 52, 1167-1174.	1.2	59
174	Sympathetic pain? A role of poor parasympathetic nervous system engagement in vicarious pain states. Psychophysiology, 2015, 52, 1529-1537.	1.2	21
175	Resting heart rate variability is associated with inhibition of conditioned fear. Psychophysiology, 2015, 52, 1161-1166.	1.2	63
176	Higher Vagal Activity as Related to Survival in Patients With Advanced Breast Cancer. Psychosomatic Medicine, 2015, 77, 346-355.	1.3	72
177	Emotion suppression moderates the quadratic association between RSA and executive function. Psychophysiology, 2015, 52, 1175-1185.	1.2	15
178	Autonomic cardiovascular regulation and cortical tone. Clinical Physiology and Functional Imaging, 2015, 35, 383-392.	0.5	20
179	Postconcussion Postural Sway Variability Changes in Youth. Pediatric Physical Therapy, 2015, 27, 316-327.	0.3	41
180	Symptoms of PTSD Associated With Painful and Nonpainful Vicarious Reactivity Following Amputation. Journal of Traumatic Stress, 2015, 28, 330-338.	1.0	6
181	Conditioned and extinguished fear modulate functional corticocardiac coupling in humans. Psychophysiology, 2015, 52, 1351-1360.	1.2	41

#	Article	IF	Citations
183	Care and Neurorehabilitation in the Disorder of Consciousness: A Model in Progress. Scientific World Journal, The, 2015, 2015, 1-10.	0.8	10
184	At the Heart of Morality Lies Neuro-Visceral Integration: Lower Cardiac Vagal Tone Predicts Utilitarian Moral Judgment. SSRN Electronic Journal, 2015, , .	0.4	1
185	Autonomic Nervous System Responses to Viewing Green and Built Settings: Differentiating Between Sympathetic and Parasympathetic Activity. International Journal of Environmental Research and Public Health, 2015, 12, 15860-15874.	1.2	76
186	Characterizing psychological dimensions in non-pathological subjects through autonomic nervous system dynamics. Frontiers in Computational Neuroscience, 2015, 9, 37.	1.2	15
187	Potential Interactions between the Autonomic Nervous System and Higher Level Functions in Neurological and Neuropsychiatric Conditions. Frontiers in Neurology, 2015, 6, 182.	1.1	23
188	Cognitive, behavioral, and autonomic correlates of mind wandering and perseverative cognition in major depression. Frontiers in Neuroscience, 2014, 8, 433.	1.4	90
189	Preschool Anxiety Disorders Predict Different Patterns of Amygdala-Prefrontal Connectivity at School-Age. PLoS ONE, 2015, 10, e0116854.	1.1	21
190	Investigating the Associations of Self-Rated Health: Heart Rate Variability Is More Strongly Associated than Inflammatory and Other Frequently Used Biomarkers in a Cross Sectional Occupational Sample. PLoS ONE, 2015, 10, e0117196.	1.1	99
191	Forebrain neurocircuitry associated with human reflex cardiovascular control. Frontiers in Physiology, 2015, 6, 240.	1.3	77
192	The Effects of Guided Imagery on Heart Rate Variability in Simulated Spaceflight Emergency Tasks Performers. BioMed Research International, 2015, 2015, 1-8.	0.9	12
193	In Sync: The Effect of Physiology Feedback on the Match between Heart Rate and Self-Reported Stress. BioMed Research International, 2015, 2015, 1-9.	0.9	13
194	The Impact of Cardiac Coherence on Executive Functioning in Children with Emotional Disturbances. Global Advances in Health and Medicine, 2015, 4, 25-29.	0.7	9
195	Resting highâ€frequency heart rate variability is related to resting brain perfusion. Psychophysiology, 2015, 52, 277-287.	1.2	76
196	A Bayesian Model of Category-Specific Emotional Brain Responses. PLoS Computational Biology, 2015, 11, e1004066.	1.5	212
197	Preschool ambivalent attachment associated with a lack of vagal withdrawal in response to stress. Attachment and Human Development, 2015, 17, 65-82.	1.2	17
198	Roots and Benefits of Costly Giving. Psychological Science, 2015, 26, 1038-1045.	1.8	134
199	Autonomic dysfunction and heart rate variability in depression. Stress, 2015, 18, 343-352.	0.8	213
200	Blunted autonomic reactivity to pharmacological panic challenge under long-term escitalopram treatment in healthy men. International Journal of Neuropsychopharmacology, 2015, 18, .	1.0	9

#	Article	IF	Citations
201	Modeling perceived stress via HRV and accelerometer sensor streams. , 2015, 2015, 1625-8.		15
202	Bridging psychophysiological and phenomenological characteristics of psychosis â€" Preliminary evidence for the relevance of emotion regulation. Schizophrenia Research, 2015, 169, 346-350.	1.1	19
203	Autonomic responses to lateralized cold pressor and facial cooling tasks. Psychophysiology, 2015, 52, 416-424.	1.2	25
204	Integrating NIMH Research Domain Criteria (RDoC) into depression research. Current Opinion in Psychology, 2015, 4, 6-12.	2.5	139
205	Psychophysiological response to cognitive workload during symmetrical, asymmetrical and dual-task walking. Human Movement Science, 2015, 40, 248-263.	0.6	43
206	Respiratory sinus arrhythmia: a transdiagnostic biomarker of emotion dysregulation and psychopathology. Current Opinion in Psychology, 2015, 3, 43-47.	2.5	371
207	Characterization of Depressive States in Bipolar Patients Using Wearable Textile Technology and Instantaneous Heart Rate Variability Assessment. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 263-274.	3.9	58
208	The contribution of coping-related variables and heart rate variability to visual search performance under pressure. Physiology and Behavior, 2015, 139, 532-540.	1.0	65
209	Developmental pathways to attention-deficit/hyperactivity disorder and disruptive behavior disorders: Investigating the impact of the stress response on executive functioning. Clinical Psychology Review, 2015, 36, 1-12.	6.0	20
210	Growth models of dyadic synchrony and motherâ€"child vagal tone in the context of parenting at-risk. Biological Psychology, 2015, 105, 29-36.	1.1	48
211	Intergenerational transmission of self-regulation: A multidisciplinary review and integrative conceptual framework.. Psychological Bulletin, 2015, 141, 602-654.	5.5	447
212	Variation in the physiological costs and benefits of rumination and distraction: The moderating effect of habitual thought suppression. Personality and Individual Differences, 2015, 85, 93-97.	1.6	8
213	Spectral data quality assessment based on variability analysis: application to noninvasive hemoglobin measurement by dynamic spectrum. Analytical Methods, 2015, 7, 5565-5573.	1.3	21
214	Combining LORETA Z-Score Neurofeedback with Heart Rate Variability Training. , 2015, , 159-188.		2
215	Relation between stress-precipitated seizures and the stress response in childhood epilepsy. Brain, 2015, 138, 2234-2248.	3.7	34
216	Combining tDCS and Working Memory Training to Down Regulate State Rumination: A Single-Session Double Blind Sham-Controlled Trial. Cognitive Therapy and Research, 2015, 39, 754-765.	1.2	20
217	The body language: The spontaneous influence of congruent bodily arousal on the awareness of emotional words.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 582-589.	0.7	13
218	The Oscillatory Systems of the Brain and Individual Variability of the Defensive Cardiac Reflex in Humans. Neuroscience and Behavioral Physiology, 2015, 45, 670-679.	0.2	1

#	Article	IF	Citations
219	Future Directions in Emotion Dysregulation and Youth Psychopathology. Journal of Clinical Child and Adolescent Psychology, 2015, 44, 875-896.	2.2	277
220	Cardiac autonomic regulation in autism and Fragile X syndrome: A review.. Psychological Bulletin, 2015, 141, 141-175.	5.5	85
221	Affective agnosia: Expansion of the alexithymia construct and a new opportunity to integrate and extend Freud's legacy. Neuroscience and Biobehavioral Reviews, 2015, 55, 594-611.	2.9	152
222	Commentary: A Practical Guide for Translating Basic Research on Affective Science to Implementing Physiology in Clinical Child and Adolescent Assessments. Journal of Clinical Child and Adolescent Psychology, 2015, 44, 341-351.	2.2	14
223	Cognitive rigidity is mirrored by autonomic inflexibility in daily life perseverative cognition. Biological Psychology, 2015, 107, 24-30.	1.1	56
224	â€œMore than skin deepâ€: stress neurobiology and mental health consequences of racial discrimination. Stress, 2015, 18, 1-10.	0.8	385
225	The Biological Diary of a Woman: Physiological Consequences of Status and Social Evaluative Threat. Evolutionary Psychological Science, 2015, 1, 37-43.	0.8	2
226	Heart rate variability during reading instruction and its interrelationship with effectiveness of subsequent visual-motor activities. Human Physiology, 2015, 41, 135-142.	0.1	3
227	The regulation of positive and negative social feedback: A psychophysiological study. Cognitive, Affective and Behavioral Neuroscience, 2015, 15, 553-563.	1.0	31
228	Dissociation between the cognitive and interoceptive components of mindfulness in the treatment of chronic worry. Journal of Behavior Therapy and Experimental Psychiatry, 2015, 48, 192-199.	0.6	30
229	Putting emotion regulation in context. Current Opinion in Psychology, 2015, 3, 100-107.	2.5	40
230	Altered functional connectivity between medial prefrontal cortex and the inferior brainstem in major depression during appraisal of subjective emotional responses: A preliminary study. Biological Psychology, 2015, 108, 13-24.	1.1	40
231	Resting respiratory sinus arrhythmia is related to longer hospitalization in mood-disordered repetitive suicide attempters. World Journal of Biological Psychiatry, 2015, 16, 323-333.	1.3	11
232	Psychophysiology, task complexity, and team factors determine emergency response teamsâ€™ shared beliefs. Safety Science, 2015, 78, 117-123.	2.6	9
233	Reliability of Ultra-Short-Term Analysis as a Surrogate of Standard 5-Min Analysis of Heart Rate Variability. Telemedicine Journal and E-Health, 2015, 21, 404-414.	1.6	178
234	Individual Recovery Profiles in Basketball Players. Spanish Journal of Psychology, 2015, 18, E24.	1.1	15
235	Resting heart rate variability predicts self-reported difficulties in emotion regulation: a focus on different facets of emotion regulation. Frontiers in Psychology, 2015, 6, 261.	1.1	283
236	Effects of Hearing Loss on Heart Rate Variability and Skin Conductance Measured During Sentence Recognition in Noise. Ear and Hearing, 2015, 36, 145-154.	1.0	57

#	Article	IF	Citations
237	Placebo â€˜serotoninâ€™ increases heart rate variability in recovery from psychosocial stress. Physiology and Behavior, 2015, 145, 45-49.	1.0	10
238	Large-Scale Network Dysfunction in Major Depressive Disorder. JAMA Psychiatry, 2015, 72, 603.	6.0	1,517
239	Memory reconsolidation, emotional arousal, and the process of change in psychotherapy: New insights from brain science. Behavioral and Brain Sciences, 2015, 38, e1.	0.4	348
240	Effortful control and resiliency exhibit different patterns of cardiac autonomic control. International Journal of Psychophysiology, 2015, 96, 95-103.	0.5	15
241	The role of frontal EEG asymmetry in post-traumatic stress disorder. Biological Psychology, 2015, 108, 62-77.	1.1	67
242	A careful look at ECG sampling frequency and R-peak interpolation on short-term measures of heart rate variability. Physiological Measurement, 2015, 36, 1827-1852.	1.2	65
243	Heart rate variability helps tracking time more accurately. Brain and Cognition, 2015, 101, 57-63.	0.8	29
244	The neural basis of one's own conscious and unconscious emotional states. Neuroscience and Biobehavioral Reviews, 2015, 57, 1-29.	2.9	137
245	Focusing neurovisceral integration: Cognition, heart rate variability, and cerebral blood flow. Psychophysiology, 2015, 52, 214-224.	1.2	93
246	Heart rate variability as a transdiagnostic biomarker of psychopathology. International Journal of Psychophysiology, 2015, 98, 338-350.	0.5	583
247	Affective states asessment system based on heart rate and facial expressions using LabVIEW. , 2015, , .		0
248	Acute coronary syndrome and depression: A review of shared pathophysiological pathways. Australian and New Zealand Journal of Psychiatry, 2015, 49, 994-1005.	1.3	13
249	Maximizing self-care through familiarity: The role of practice effects in enhancing music listening and progressive muscle relaxation for pain management. Psychology of Music, 2015, 43, 511-529.	0.9	14
250	Heart rate variability is enhanced in controls but not maladaptive perfectionists during brief mindfulness meditation following stress-induction: A stratified-randomized trial. International Journal of Psychophysiology, 2015, 98, 27-34.	0.5	58
251	Anxiety, attention, and decision making: The moderating role of heart rate variability. International Journal of Psychophysiology, 2015, 98, 490-496.	0.5	46
252	Individual Differences in Resilience and Affective Response during Simulated UAV Operations. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 751-755.	0.2	12
253	Retention of perceptual generalization of fear extinction. International Journal of Psychophysiology, 2015, 98, 520-528.	0.5	6
254	Lower cardiovascular reactivity to acute stress in informal caregivers of people with autism spectrum disorder than in non-caregivers: Implications for health outcomes. International Journal of Psychophysiology, 2015, 98, 143-150.	0.5	10

#	Article	IF	Citations
255	Uncertainty in anticipation of uncomfortable rectal distension is modulated by the autonomic nervous system â€" A fMRI study in healthy volunteers. NeuroImage, 2015, 107, 10-22.	2.1	47
256	The relationship between working memory, reinvestment, and heart rate variability. Physiology and Behavior, 2015, 139, 430-436.	1.0	50
257	Office workers with high effortâ€"reward imbalance and overcommitment have greater decreases in heart rate variability over a 2-h working period. International Archives of Occupational and Environmental Health, 2015, 88, 565-575.	1.1	20
258	Heart Rate Variability Indexes as a Marker of Chronic Adaptation in Athletes: A Systematic Review. Annals of Noninvasive Electrocardiology, 2015, 20, 108-118.	0.5	58
259	Exploring the Relationship of Autonomic and Endocrine Activity with Social Functioning in Adults with Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2015, 45, 495-505.	1.7	38
260	Moving Beyond Mindfulness: Defining Equanimity as an Outcome Measure in Meditation and Contemplative Research. Mindfulness, 2015, 6, 356-372.	1.6	310
261	Real-time Imaging of Stress-induced Cardiac Autonomic Adaptation During Realistic Force-on-force Police Scenarios. Journal of Police and Criminal Psychology, 2015, 30, 71-86.	1.2	28
262	QEEG Spectral and Coherence Assessment of Autistic Children in Three Different Experimental Conditions. Journal of Autism and Developmental Disorders, 2015, 45, 406-424.	1.7	54
263	Physiological and behavioral indices of emotion dysregulation as predictors of outcome from cognitive behavioral therapy and acceptance and commitment therapy for anxiety. Journal of Behavior Therapy and Experimental Psychiatry, 2015, 46, 35-43.	0.6	49
264	The Pressureâ€"Activationâ€"Stress scale in relation to ADHD and cortisol. European Child and Adolescent Psychiatry, 2015, 24, 153-161.	2.8	15
265	Disruption of Bradycardia During Vigilance: Autonomic Cardiac Dysregulation is Prelude to Disinhibition, Hyperarousal, and Attention Bias in Combat Veterans with PTSD. , 2016, , .		0
266	The relationship between emotion regulation capacity, heart rate variability, and quality of life in individuals with alcohol-related brain damage. Psychology Research and Behavior Management, 2016, Volume 9, 219-235.	1.3	7
267	Neuroimaging Investigations of Social Status and Social Hierarchies. , 2016, , 187-203.		9
268	Influence Diagram of Physiological and Environmental Factors Affecting Heart Rate Variability: An Extended Literature Overview. Heart International, 2016, 11, heartint.500023.	0.4	135
269	Fish Consumption and Heart Rate Variability. , 2016, , 231-238.		1
270	Diminished autonomic neurocardiac function in patients with generalized anxiety disorder. Neuropsychiatric Disease and Treatment, 2016, Volume 12, 3111-3118.	1.0	19
271	Heart Rate Variability during Inpatient Psychosomatic Treatment - A Naturalistic Observational Study. Zeitschrift Fur Psychosomatische Medizin Und Psychotherapie, 2016, 62, 20-31.	0.3	6
272	Toward Preventing Post-Traumatic Stress Disorder: Development and Testing of a Pilot Predeployment Stress Inoculation Training Program. Military Medicine, 2016, 181, 1151-1160.	0.4	38

#	Article	IF	Citations
273	Cognitive Impairment in Breast Cancer Survivors. , 2016, , 399-419.		5
274	A Heart and A Mind: Self-distancing Facilitates the Association Between Heart Rate Variability, and Wise Reasoning. Frontiers in Behavioral Neuroscience, 2016, 10, 68.	1.0	29
275	Association between Attention and Heart Rate Fluctuations in Pathological Worriers. Frontiers in Human Neuroscience, 2016, 10, 648.	1.0	17
276	Capacitive Sensing for Non-Invasive Breathing and Heart Monitoring in Non-Restrained, Non-Sedated Laboratory Mice. Sensors, 2016, 16, 1052.	2.1	20
277	Intolerance of Uncertainty: A Temporary Experimental Induction Procedure. PLoS ONE, 2016, 11, e0155130.	1.1	19
278	The Association of Work Stress and Glycemic Status Is Partially Mediated by Autonomic Nervous System Function: Cross-Sectional Results from the Mannheim Industrial Cohort Study (MICS). PLoS ONE, 2016, 11, e0160743.	1.1	20
279	Cognitive, Emotional, and Psychosocial Functioning of Girls Treated with Pharmacological Puberty Blockage for Idiopathic Central Precocious Puberty. Frontiers in Psychology, 2016, 7, 1053.	1.1	58
280	Subjective Social Status and Cardiovascular Reactivity: An Experimental Examination. Frontiers in Psychology, 2016, 7, 1091.	1.1	19
281	Anxiety as a Risk Factor for Cardiovascular Diseases. Frontiers in Psychiatry, 2016, 7, 25.	1.3	25
282	Chronic Pain and Heart Rate Variability in a Cross-Sectional Occupational Sample. Clinical Journal of Pain, 2016, 32, 218-225.	0.8	57
283	Hypothalamic-pituitary-adrenal and cardiac autonomic responses to transrectal examination differ with behavioral reactivity in dairy cows. Journal of Dairy Science, 2016, 99, 7444-7457.	1.4	18
284	Human cerebral circuitry related to cardiac control: A neuroimaging metaâ€analysis. Annals of Neurology, 2016, 79, 709-716.	2.8	65
285	Lower Resting State Heart Rate Variability Relates to High Pain Catastrophizing in Patients with Chronic Whiplashâ€Associated Disorders and Healthy Controls. Pain Practice, 2016, 16, 1048-1053.	0.9	26
286	Effects of Insula Resection on Autonomic Nervous System Activity. Journal of Neurosurgical Anesthesiology, 2016, 28, 153-158.	0.6	38
287	Heart rate variability and depressive symptoms: a cross-lagged analysis over a 10-year period in the Whitehall II study. Psychological Medicine, 2016, 46, 2121-2131.	2.7	97
288	Resting state connectivity of the medial prefrontal cortex covaries with individual differences in highâ€frequency heart rate variability. Psychophysiology, 2016, 53, 444-454.	1.2	83
289	Eating disinhibition and vagal tone moderate the postprandial response to glycemic load: a randomised controlled trial. Scientific Reports, 2016, 6, 35740.	1.6	14
290	Long-lasting bradypnea induced by repeated social defeat. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R352-R364.	0.9	6

#	Article	IF	Citations
291	Maladaptive mood repair, atypical respiratory sinus arrhythmia, and risk of a recurrent major depressive episode among adolescents with prior major depression. Psychological Medicine, 2016, 46, 2109-2119.	2.7	19
292	Correlation between health-related quality of life in the physical domain and heart rate variability in asymptomatic adults. Health and Quality of Life Outcomes, 2016, 14, 149.	1.0	14
293	The Social Side of Pain: What Does it Mean to Feel Anotherâ€™s Pain?. , 2016, , 355-373.		4
294	Improvement of Blink Detection Using a Doppler Sensor Based on CFAR Processing. , 2016, , .		9
295	Time-Frequency Domain Analysis via Pulselets for Non-contact Heart Rate Estimation from Remotely Acquired Photoplethysmograms. , 2016, , .		3
296	Understanding comorbidity among internalizing problems: Integrating latent structural models of psychopathology and risk mechanisms. Development and Psychopathology, 2016, 28, 987-1012.	1.4	91
297	Physiological concomitants of perseverative cognition: A systematic review and meta-analysis.. Psychological Bulletin, 2016, 142, 231-259.	5.5	324
298	Fear of the unknown: One fear to rule them all?. Journal of Anxiety Disorders, 2016, 41, 5-21.	1.5	365
299	Alterations in Connectivity on Functional Magnetic Resonance Imaging with Provocation of Lower Urinary Tract Symptoms: A MAPP Research Network Feasibility Study of Urological Chronic Pelvic Pain Syndromes. Journal of Urology, 2016, 195, 639-645.	0.2	34
300	Depression and resting state heart rate variability in children and adolescents â€” A systematic review and meta-analysis. Clinical Psychology Review, 2016, 46, 136-150.	6.0	209
301	Brainâ€“heart interactions: physiology and clinical implications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150181.	1.6	164
302	Brainâ€“heart interactions: challenges and opportunities with functional magnetic resonance imaging at ultra-high field. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150188.	1.6	26
303	Sensitivity of the resting-state haemodynamic response function estimation to autonomic nervous system fluctuations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150190.	1.6	26
304	Combining electroencephalographic activity and instantaneous heart rate for assessing brainâ€“heart dynamics during visual emotional elicitation in healthy subjects. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150176.	1.6	74
305	Globally conditioned Granger causality in brainâ€“brain and brainâ€“heart interactions: a combined heart rate variability/ultra-high-field (7 T) functional magnetic resonance imaging study. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150185.	1.6	42
306	Uncovering brainâ€“heart information through advanced signal and image processing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160020.	1.6	34
307	Central- and autonomic nervous system coupling in schizophrenia. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150178.	1.6	35
308	Heart rate variability and suicidal behavior. Psychiatry Research, 2016, 240, 241-247.	1.7	45

#	Article	IF	Citations
309	Dominant hemisphere lateralization of cortical parasympathetic control as revealed by frontotemporal dementia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2430-9.	3.3	105
310	Neurobiological correlates of distinct post-traumatic stress disorder symptom profiles during threat anticipation in combat veterans. Psychological Medicine, 2016, 46, 1885-1895.	2.7	36
311	The Global Coherence Initiative: A global psychological paradigm for health promotion. Journal of Psychology in Africa, 2016, 26, 194-198.	0.3	4
312	Distinctive cardiac autonomic dysfunction following stress exposure in both sexes in an animal model of PTSD. Behavioural Brain Research, 2016, 308, 128-142.	1.2	22
313	The Role of Negative Affect and Physiological Regulation in Maternal Attribution. Parenting, 2016, 16, 206-218.	1.0	10
314	Ventral Pallidum Encodes Contextual Information and Controls Aversive Behaviors. Cerebral Cortex, 2017, 27, bhw107.	1.6	53
315	Cumulative stress and autonomic dysregulation in a community sample. Stress, 2016, 19, 269-279.	0.8	37
316	Heart rate variability and the relationship between trauma exposure age, and psychopathology in a post-conflict setting. BMC Psychiatry, 2016, 16, 133.	1.1	23
317	The default response to uncertainty and the importance of perceived safety in anxiety and stress: An evolution-theoretical perspective. Journal of Anxiety Disorders, 2016, 41, 22-34.	1.5	132
318	Intolerance of uncertainty in emotional disorders: What uncertainties remain?. Journal of Anxiety Disorders, 2016, 41, 115-124.	1.5	183
319	Mental engagement during cognitive and psychomotor tasks: Effects of task type, processing demands, and practice. International Journal of Psychophysiology, 2016, 109, 124-131.	0.5	27
320	Effect of deep pressure input on parasympathetic system in patients with wisdom tooth surgery. Journal of the Formosan Medical Association, 2016, 115, 853-859.	0.8	17
321	Feasibility of a trial with Tibetan Singing Bowls, and suggested benefits in metastatic cancer patients. A pilot study in an Italian Oncology Unit. European Journal of Integrative Medicine, 2016, 8, 747-755.	0.8	10
322	The Development of Coping. , 2016, , .		37
323	Resting cardiac vagal tone predicts intraindividual reaction time variability during an attention task in a sample of young and healthy adults. Psychophysiology, 2016, 53, 1843-1851.	1.2	74
324	Alterations in autonomic cardiac modulation in response to normobaric hypoxia. European Journal of Sport Science, 2016, 16, 1023-1031.	1.4	13
325	Neural Responses to Heartbeats in the Default Network Encode the Self in Spontaneous Thoughts. Journal of Neuroscience, 2016, 36, 7829-7840.	1.7	141
326	Heart Rate Variability, Flow, Mood and Mental Stress During Yoga Practices in Yoga Practitioners, Non-yoga Practitioners and People with Metabolic Syndrome. Applied Psychophysiology Biofeedback, 2016, 41, 381-393.	1.0	24

#	Article	IF	Citations
327	Changes in human health parameters associated with a touch tank experience at a zoological institution. Zoo Biology, 2016, 35, 4-13.	0.5	22
328	Higher resting heart rate variability predicts skill in expressing some emotions. Psychophysiology, 2016, 53, 1852-1857.	1.2	16
329	Low heart rate variability in patients with clinical burnout. International Journal of Psychophysiology, 2016, 110, 171-178.	0.5	53
330	One size does not fit all: Individual differences in cardiac autonomic and subjective responses to brief relaxation activities. International Journal of Cardiology, 2016, 223, 265-267.	0.8	6
331	Unconscious emotion: A cognitive neuroscientific perspective. Neuroscience and Biobehavioral Reviews, 2016, 69, 216-238.	2.9	68
332	Emotion regulation as a transdiagnostic factor in the development of internalizing and externalizing psychopathology: Current and future directions. Development and Psychopathology, 2016, 28, 927-946.	1.4	333
333	NEUROCARDIAC-CARDIORESPIRATORY INTERACTION OF HEART-BRAIN MAILUNS SYNCHRONY AT DEEP ZEN MEDITATION. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650039.	0.3	2
334	The relationship between ambient carbon monoxide and heart rate variabilityâ€"a systematic world reviewâ€"2015. Environmental Science and Pollution Research, 2016, 23, 21157-21164.	2.7	6
335	Fluctuating emotions: relating emotional variability and job satisfaction. Journal of Applied Social Psychology, 2016, 46, 617-626.	1.3	9
336	Deceptive visualizations and user bias. , 2016, , .		11
337	Atypical reactivity of heart rate variability to stress and depression across development: Systematic review of the literature and directions for future research. Clinical Psychology Review, 2016, 50, 67-79.	6.0	121
338	The effect of a single HF-rTMS session over the left DLPFC on the physiological stress response as measured by heart rate variability.. Neuropsychology, 2016, 30, 756-766.	1.0	39
339	Individuals with tension and migraine headaches exhibit increased heart rate variability during post-stress mindfulness meditation practice but a decrease during a post-stress control condition â€“ A randomized, controlled experiment. International Journal of Psychophysiology, 2016, 110, 66-74.	0.5	43
340	Links between autonomic activity and implicit learning. International Journal of Psychophysiology, 2016, 110, 75-80.	0.5	5
341	A randomized-controlled trial of heart rate variability biofeedback for psychotic symptoms. Behaviour Research and Therapy, 2016, 87, 207-215.	1.6	25
342	Autonomic Nervous System Reactivity During Speech Repetition Tasks: Heart Rate Variability and Skin Conductance. Ear and Hearing, 2016, 37, 118S-125S.	1.0	88
343	Heartefacts. , 2016, , .		11
344	Cognitive flexibility, heart rate variability, and resilience predict fineâ€grained regulation of arousal during prolonged threat. Psychophysiology, 2016, 53, 880-890.	1.2	73

#	Article	IF	Citations
345	Introduction to the Special Section: Toward Implementing Physiological Measures in Clinical Assessments of Adult Mental Health. Journal of Psychopathology and Behavioral Assessment, 2016, 38, 1-4.	0.7	7
346	Alcohol Effects on Stress Pathways. Canadian Journal of Psychiatry, 2016, 61, 145-153.	0.9	41
347	Reduced heart rate variability in remitted bipolar disorder and recurrent depression. Australian and New Zealand Journal of Psychiatry, 2016, 50, 793-804.	1.3	29
348	Resting high frequency heart rate variability selectively predicts cooperative behavior. Physiology and Behavior, 2016, 164, 417-428.	1.0	43
349	At the heart of morality lies neuro-visceral integration: lower cardiac vagal tone predicts utilitarian moral judgment. Social Cognitive and Affective Neuroscience, 2016, 11, 1588-1596.	1.5	46
350	Abbreviated Resonant Frequency Training to Augment Heart Rate Variability and Enhance On-Demand Emotional Regulation in Elite Sport Support Staff. Applied Psychophysiology Biofeedback, 2016, 41, 263-274.	1.0	27
351	Cardiac Vagal Control and Depressive Symptoms in Response to Negative Emotional Stress. Advances in Experimental Medicine and Biology, 2016, 934, 23-30.	0.8	6
353	Heart rate variability is associated with amygdala functional connectivity with MPFC across younger and older adults. NeuroImage, 2016, 139, 44-52.	2.1	175
354	gVARVI: A graphical software tool for the acquisition of the heart rate in response to external stimuli. Computer Methods and Programs in Biomedicine, 2016, 132, 197-205.	2.6	5
355	Aromatic effects of a Japanese citrus fruitâ€"yuzu (Citrus junos Sieb. ex Tanaka)â€"on psychoemotional states and autonomic nervous system activity during the menstrual cycle: a single-blind randomized controlled crossover study. BioPsychoSocial Medicine, 2016, 10, 11.	0.9	30
356	Autonomic activity during sleep predicts memory consolidation in humans. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7272-7277.	3.3	58
357	Heart Rate Variability Moderates the Association Between Separation-Related Psychological Distress and Blood Pressure Reactivity Over Time. Psychological Science, 2016, 27, 1123-1135.	1.8	10
358	Brain responses to uncertainty about upcoming rectal discomfort in quiescent Crohn's disease â€“ a <scp>fMRI</scp> study. Neurogastroenterology and Motility, 2016, 28, 1419-1432.	1.6	40
359	When rumination counts: Perceived social support and heart rate variability in daily life. Psychophysiology, 2016, 53, 1034-1043.	1.2	34
360	Neurobiological substrates of cognitive rigidity and autonomic inflexibility in generalized anxiety disorder. Biological Psychology, 2016, 119, 31-41.	1.1	65
361	Heart Rate Variability in Breast Cancer Survivors After the First Year of Treatments. Biological Research for Nursing, 2016, 18, 43-49.	1.0	44
362	Executive functions improvement following a 5-month aquaerobics program in older adults: Role of cardiac vagal control in inhibition performance. Biological Psychology, 2016, 115, 69-77.	1.1	70
363	Mental Fatigability and Heart Rate Variability in Mild Cognitive Impairment. American Journal of Geriatric Psychiatry, 2016, 24, 374-378.	0.6	13

#	Article	IF	Citations
364	Brainâ€“Computer Interface Based Solutions for End-Users with Severe Communication Disorders. , 2016, , 217-240.		10
365	Physical activity and negative emotion during peer-rejection: Evidence for emotion context sensitivity. Journal of Health Psychology, 2016, 21, 2851-2862.	1.3	10
366	Working memory training improves emotion regulation ability: Evidence from HRV. Physiology and Behavior, 2016, 155, 25-29.	1.0	56
367	A yoga & exercise randomized controlled trial for vasomotor symptoms: Effects on heart rate variability. Complementary Therapies in Medicine, 2016, 26, 66-71.	1.3	14
368	Reduced heart rate variability in schizophrenia and bipolar disorder compared to healthy controls. Acta Psychiatrica Scandinavica, 2016, 133, 44-52.	2.2	58
369	10-Second heart rate variability and cognitive function in old age. Neurology, 2016, 86, 1120-1127.	1.5	52
370	Validity of the Polar V800 heart rate monitor to measure RR intervals at rest. European Journal of Applied Physiology, 2016, 116, 563-571.	1.2	289
371	A systematic review on heart rate variability in Bulimia Nervosa. Neuroscience and Biobehavioral Reviews, 2016, 63, 78-97.	2.9	32
372	Is heart rate variability associated with frequency and intensity of vasomotor symptoms among healthy perimenopausal and postmenopausal women?. Clinical Autonomic Research, 2016, 26, 7-13.	1.4	10
373	Oxytocin receptor gene polymorphism modulates the effects of social support on heart rate variability. Biological Psychology, 2016, 117, 43-49.	1.1	24
374	Heart rate variability measure in breast cancer patients and survivors: A systematic review. Psychoneuroendocrinology, 2016, 68, 57-68.	1.3	69
375	An exercise-based randomized controlled trial on brain, cognition, physical health and mental health in overweight/obese children (ActiveBrains project): Rationale, design and methods. Contemporary Clinical Trials, 2016, 47, 315-324.	0.8	88
376	Impact of Comorbid Depressive Disorders on Subjective and Physiological Responses to Emotion in Generalized Anxiety Disorder. Cognitive Therapy and Research, 2016, 40, 290-303.	1.2	10
377	Sex differences in healthy human heart rate variability: A meta-analysis. Neuroscience and Biobehavioral Reviews, 2016, 64, 288-310.	2.9	505
378	Into the unknown: A review and synthesis of contemporary models involving uncertainty. Journal of Anxiety Disorders, 2016, 39, 30-43.	1.5	586
379	Self-reported intolerance of uncertainty and behavioural decisions. Journal of Behavior Therapy and Experimental Psychiatry, 2016, 51, 58-65.	0.6	57
380	Musculoskeletal overuse injuries and heart rate variability: Is there a link?. Medical Hypotheses, 2016, 87, 1-7.	0.8	37
381	A literature review of heart rate variability in depressive and bipolar disorders. Australian and New Zealand Journal of Psychiatry, 2016, 50, 511-519.	1.3	70

#	Article	IF	Citations
382	Resting vagal activity in schizophrenia: Meta-analysis of heart rate variability as a potential endophenotype. British Journal of Psychiatry, 2016, 208, 9-16.	1.7	122
383	ANSLAB: Integrated multichannel peripheral biosignal processing in psychophysiological science. Behavior Research Methods, 2016, 48, 1528-1545.	2.3	78
384	Immediate effect of basic body awareness therapy on heart rate variability. Complementary Therapies in Clinical Practice, 2016, 22, 8-11.	0.7	2
385	Beyond emotions: A meta-analysis of neural response within face processing system in social anxiety. Experimental Biology and Medicine, 2016, 241, 225-237.	1.1	74
386	Temperament and its Association with Autism Symptoms in a High-risk Population. Journal of Abnormal Child Psychology, 2016, 44, 757-769.	3.5	53
387	Heart rate wavelet coherence analysis to investigate group entrainment. Pervasive and Mobile Computing, 2016, 28, 21-34.	2.1	14
388	Vagal Recovery From Cognitive Challenge Moderates Age-Related Deficits in Executive Functioning. Research on Aging, 2016, 38, 504-525.	0.9	8
389	Individual differences in physiological flexibility predict spontaneous avoidance. Cognition and Emotion, 2016, 30, 985-998.	1.2	11
390	Topical Review: Unique Contributions of Magnetic Resonance Imaging to Pediatric Psychology Research: Table I.. Journal of Pediatric Psychology, 2016, 41, 204-209.	1.1	3
391	Resting state vagal tone in borderline personality disorder: A meta-analysis. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 64, 18-26.	2.5	104
392	Habitual reappraisal in context: peer victimisation moderates its association with physiological reactivity to social stress. Cognition and Emotion, 2017, 31, 384-394.	1.2	8
393	Structural brain correlates of heart rate variability in a healthy young adult population. Brain Structure and Function, 2017, 222, 1061-1068.	1.2	73
394	Identifying the causal mechanisms of the quiet eye. European Journal of Sport Science, 2017, 17, 74-84.	1.4	52
395	Peripheral and prefrontal stress system markers and risk of relapse in alcoholism. Addiction Biology, 2017, 22, 468-478.	1.4	30
396	Effects of closure versus non-closure of the visceral and parietal peritoneum at cesarean section: does it have any effect on postoperative vital signs? A prospective randomized study. Journal of Maternal-Fetal and Neonatal Medicine, 2017, 30, 922-926.	0.7	13
397	Brain Structure and Function Associated with a History of Sport Concussion: A Multi-Modal Magnetic Resonance Imaging Study. Journal of Neurotrauma, 2017, 34, 765-771.	1.7	73
398	Individual differences in behavioral activation and cardiac vagal control influence affective startle modification. Physiology and Behavior, 2017, 172, 3-11.	1.0	5
399	Genetic influences on heart rate variability. International Journal of Psychophysiology, 2017, 115, 65-73.	0.5	25

#	Article	IF	Citations
400	A meta-analysis of non-invasive brain stimulation and autonomic functioning: Implications for brain-heart pathways to cardiovascular disease. Neuroscience and Biobehavioral Reviews, 2017, 74, 330-341.	2.9	94
401	The Association of Type D personality with Heart Rate Variability and Lipid Profiles Among Patients with Coronary Artery Disease. International Journal of Behavioral Medicine, 2017, 24, 101-109.	0.8	13
402	An emotional processing writing intervention and heart rate variability: the role of emotional approach. Cognition and Emotion, 2017, 31, 988-994.	1.2	9
403	Sustained attention and heart rate variability in children and adolescents with ADHD. Biological Psychology, 2017, 124, 11-20.	1.1	57
404	Relationship between physiological excitatory and inhibitory measures of excitability in the left vs. right human motor cortex and peripheral electrodermal activity. Neuroscience Letters, 2017, 641, 45-50.	1.0	11
405	Intra-individual cortisol variability and low-grade inflammation over 10 years in older adults. Psychoneuroendocrinology, 2017, 77, 141-149.	1.3	9
406	Efectos de un programa de juego basado en tÃ©cnicas de biofeedback cardÃaco en el desarrollo cognitivo de niÃ±os. Revista Andaluza De Medicina Del Deporte, 2017, 10, 100-105.	0.1	0
407	The relationship between heart rate variability and canine aggression. Applied Animal Behaviour Science, 2017, 188, 59-67.	0.8	20
408	Costs and benefits of self-efficacy: Differences of the stress response and clinical implications. Neuroscience and Biobehavioral Reviews, 2017, 75, 40-52.	2.9	127
409	Within-session effect of repeated stress exposure on extinction circuitry function in social anxiety disorder. Psychiatry Research - Neuroimaging, 2017, 261, 85-90.	0.9	10
410	Mortality salience in virtual reality experiences and its effects on usersâ€™ attitudes towards risk. International Journal of Human Computer Studies, 2017, 101, 10-22.	3.7	47
411	Non-invasive vagus nerve stimulation reduces sympathetic preponderance in patients with tinnitus. Acta Oto-Laryngologica, 2017, 137, 426-431.	0.3	49
412	Deficits in autonomic indices of emotion regulation and reward processing associated with prescription opioid use and misuse. Psychopharmacology, 2017, 234, 621-629.	1.5	63
413	Systemic inflammation and resting state connectivity of the default mode network. Brain, Behavior, and Immunity, 2017, 62, 162-170.	2.0	87
414	Transcranial direct current stimulation enhances soothing positive affect and vagal tone. Neuropsychologia, 2017, 96, 256-261.	0.7	29
415	Neuroplus biofeedback improves attention, resilience, and injury prevention in elite soccer players. Psychophysiology, 2017, 54, 916-926.	1.2	20
416	Higher locus coeruleus MRI contrast is associated with lower parasympathetic influence over heart rate variability. NeuroImage, 2017, 150, 329-335.	2.1	61
417	Resonant frequency training in elite sport: A case study example. Journal of Sport Psychology in Action, 2017, 8, 173-183.	0.6	11

#	Article	IF	Citations
418	Stress vulnerability in adolescents with chronic fatigue syndrome: experimental study investigating heart rate variability and skin conductance responses. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2017, 58, 851-858.	3.1	9
419	Modest Amounts of Voluntary Exercise Reduce Pain- and Stress-Related Outcomes in a Rat Model of Persistent Hind Limb Inflammation. Journal of Pain, 2017, 18, 687-701.	0.7	33
420	The behavioural, cognitive, and neural corollaries of blunted cardiovascular and cortisol reactions to acute psychological stress. Neuroscience and Biobehavioral Reviews, 2017, 77, 74-86.	2.9	168
421	Stress Reactivity in Chronic Tinnitus. Scientific Reports, 2017, 7, 41521.	1.6	26
422	Cortisol Awakening Response and Acute Stress Reactivity in First Nations People. Scientific Reports, 2017, 7, 41760.	1.6	35
423	The hierarchical basis of neurovisceral integration. Neuroscience and Biobehavioral Reviews, 2017, 75, 274-296.	2.9	353
424	Acute stress impairs inhibitory control based on individual differences in parasympathetic nervous system activity. Biological Psychology, 2017, 125, 58-63.	1.1	56
426	Association between neural reactivity and startle reactivity to uncertain threat in two independent samples. Psychophysiology, 2017, 54, 652-662.	1.2	15
427	Obesity is associated with lack of inhibitory control and impaired heart rate variability reactivity and recovery in response to food stimuli. International Journal of Psychophysiology, 2017, 116, 77-84.	0.5	31
428	The Cognitive Neuroscience of Placebo Effects: Concepts, Predictions, and Physiology. Annual Review of Neuroscience, 2017, 40, 167-188.	5.0	108
429	Sex differences in autonomic response and situational appraisal of a competitive situation in young adults. Biological Psychology, 2017, 126, 61-70.	1.1	14
430	Physiological Load and Psychological Stress During a 24-hour Work Shift Among Finnish Firefighters. Journal of Occupational and Environmental Medicine, 2017, 59, 41-46.	0.9	27
431	Neurobiological Mechanisms of Anxiety in ASD. , 2017, , 55-77.		4
433	Inducing unconscious stress: Cardiovascular activity in response to subliminal presentation of threatening and neutral words. Psychophysiology, 2017, 54, 1498-1511.	1.2	7
434	Opposing roles of primate areas 25 and 32 and their putative rodent homologs in the regulation of negative emotion. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4075-E4084.	3.3	79
435	Psychological and Physiological Markers of Stress in Concussed Athletes Across Recovery Milestones. Journal of Head Trauma Rehabilitation, 2017, 32, E38-E48.	1.0	80
436	Experimental dyspnea as a stressor: differential cardiovegetative responses to inspiratory threshold loading in healthy men and women. Journal of Applied Physiology, 2017, 123, 205-212.	1.2	5
437	Does the ability to express different emotions predict different indices of physical health? A skillâ€based study of physical symptoms and heart rate variability. British Journal of Health Psychology, 2017, 22, 502-523.	1.9	7

#	Article	IF	Citations
438	Resting sympathetic arousal moderates the association between parasympathetic reactivity and working memory performance in adults reporting high levels of life stress. Psychophysiology, 2017, 54, 1195-1208.	1.2	31
439	Parental cardiac response in the context of pediatric acute pain: current knowledge and future directions. Pain Management, 2017, 7, 81-87.	0.7	4
440	Psychological and Physiological Effects of Compassionate Mind Training: a Pilot Randomised Controlled Study. Mindfulness, 2017, 8, 1699-1712.	1.6	133
441	Preliminary evidence for increased parasympathetic activity during social inclusion and exclusion in adolescents with functional abdominal pain. Journal of Psychosomatic Research, 2017, 98, 106-112.	1.2	4
442	Reduced cardiovascular activation following chronic stress in caregivers of people with anorexia nervosa. Stress, 2017, 20, 390-397.	0.8	9
443	A review of human neuroimaging investigations involved with central autonomic regulation of baroreflex-mediated cardiovascular control. Autonomic Neuroscience: Basic and Clinical, 2017, 207, 10-21.	1.4	36
444	Effect of Heart Rate Variability Biofeedback on Sport Performance, a Systematic Review. Applied Psychophysiology Biofeedback, 2017, 42, 235-245.	1.0	109
445	Cynicism as subscale of burnout. Work, 2017, 56, 499-503.	0.6	16
446	Parallel Regulation of Memory and Emotion Supports the Suppression of Intrusive Memories. Journal of Neuroscience, 2017, 37, 6423-6441.	1.7	121
447	The contribution of coping related variables and cardiac vagal activity on the performance of a dart throwing task under pressure. Physiology and Behavior, 2017, 179, 116-125.	1.0	23
448	Biofeedback in Grandmothers Raising Grandchildren: Evaluating Intervention Parameters. Issues in Mental Health Nursing, 2017, 38, 493-499.	0.6	3
449	Heart rate variability and cordance in rapid eye movement sleep as biomarkers of depression and treatment response. Journal of Psychiatric Research, 2017, 92, 64-73.	1.5	21
450	Flexible parasympathetic responses to sadness facilitate spontaneous affect regulation. Psychophysiology, 2017, 54, 1054-1069.	1.2	36
451	Contributors to well-being and stress in parents of children with autism spectrum disorder. Research in Autism Spectrum Disorders, 2017, 37, 61-72.	0.8	52
452	Heart rate variability indicates emotional value during pro-social economic laboratory decisions with large external validity. Scientific Reports, 2017, 7, 44471.	1.6	8
453	Well-being and the worshipper: a scientific perspective of selected contemplative practices in Islam. Humanomics, 2017, 33, 163-188.	0.6	3
454	Emotion Regulation in Borderline Personality Disorder: An Experimental Investigation of the Effects of Instructed Acceptance and Suppression. Behavior Therapy, 2017, 48, 750-764.	1.3	28
455	Psychophysiological correlates of emotion regulation training in adolescent anxiety: Evidence from the novel PIER task. Journal of Affective Disorders, 2017, 214, 89-96.	2.0	26

#	Article	IF	Citations
456	Cardiovascular and autonomic reactivity to psychological stress: Neurophysiological substrates and links to cardiovascular disease. Autonomic Neuroscience: Basic and Clinical, 2017, 207, 2-9.	1.4	99
457	An experimental examination of the effort-reward imbalance model of occupational stress: Increased financial reward is related to reduced stress physiology. Biological Psychology, 2017, 125, 121-129.	1.1	18
458	Multimodal Physiological Quality-of-Experience Assessment of Text-to-Speech Systems. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 22-36.	7.3	7
459	Guanfacine alters the effect of stress and smoking on heart rate variability in regular daily smokers. Psychopharmacology, 2017, 234, 805-813.	1.5	4
460	Convergence of interoception, emotion, and social cognition: A twofold fMRI meta-analysis and lesion approach. Cortex, 2017, 88, 124-142.	1.1	155
461	Correspondence between Heart Rate Variability and Emotion Dysregulation in Children, Including Children with ADHD. Journal of Abnormal Child Psychology, 2017, 45, 1325-1337.	3.5	37
462	Effects of short and prolonged transcutaneous vagus nerve stimulation on heart rate variability in healthy subjects. Autonomic Neuroscience: Basic and Clinical, 2017, 203, 88-96.	1.4	101
463	Heart rate variability indices as bio-markers of top-down self-regulatory mechanisms: A meta-analytic review. Neuroscience and Biobehavioral Reviews, 2017, 74, 233-255.	2.9	311
464	Parasympathetic baroreflexes and heart rate variability during acute stage of sport concussion recovery. Brain Injury, 2017, 31, 247-259.	0.6	61
465	Effects of a Passive Online Software Application on Heart Rate Variability and Autonomic Nervous System Balance. Journal of Alternative and Complementary Medicine, 2017, 23, 68-74.	2.1	7
466	Magnetic resonance imaging of the human locus coeruleus: A systematic review. Neuroscience and Biobehavioral Reviews, 2017, 83, 325-355.	2.9	124
467	A mindfulness training program based on brief practices (M-PBI) to reduce stress in the workplace: a randomised controlled pilot study. International Journal of Occupational and Environmental Health, 2017, 23, 40-51.	1.2	18
468	Empirical evidence for the relationship between cognitive workload and attentional reserve. International Journal of Psychophysiology, 2017, 121, 46-55.	0.5	27
469	Quantification of Training Load and Training Response for Improving Athletic Performance. Strength and Conditioning Journal, 2017, 39, 3-13.	0.7	19
470	Protocol for the Northern babies longitudinal study: predicting postpartum depression and improving parentâ€“infant interaction with The Newborn Behavioral Observation. BMJ Open, 2017, 7, e016005.	0.8	9
471	Cardiac vagal control as a marker of emotion regulation in healthy adults: A review. Biological Psychology, 2017, 130, 54-66.	1.1	195
472	Psychophysiological Reactivity in Couples During a Marital Interaction Task. Applied Psychophysiology Biofeedback, 2017, 42, 335-346.	1.0	14
473	Cooperative driver stress sensing integration with eCall system for improved road safety. , 2017, , .		14

#	Article	IF	Citations
474	Cardiac complexity and emotional dysregulation in children. International Journal of Psychophysiology, 2017, 121, 38-45.	0.5	8
475	A Brain Phenotype for Stressorâ€Evoked Blood Pressure Reactivity. Journal of the American Heart Association, 2017, 6, .	1.6	53
476	Executive function and cardiac autonomic regulation in depressive disorders. Brain and Cognition, 2017, 118, 108-117.	0.8	28
477	Physiological Markers of Interpersonal Stress Generation in Depression. Clinical Psychological Science, 2017, 5, 911-929.	2.4	12
478	Biological Pathways to Stress-Related Disease Vulnerability in Educators. Aligning Perspectives on Health, Safety and Well-being, 2017, , 77-100.	0.2	2
479	A theoretical and empirical modeling of anxiety integrated with RDoC and temporal dynamics. Journal of Anxiety Disorders, 2017, 51, 39-46.	1.5	14
480	Dynamic functional connectivity and individual differences in emotions during social stress. Human Brain Mapping, 2017, 38, 6185-6205.	1.9	46
481	Predictors of chronic pain following total knee replacement in females and males: an exploratory study. Pain Management, 2017, 7, 391-403.	0.7	21
482	Clinical and non-clinical depression and anxiety in young people: A scoping review on heart rate variability. Autonomic Neuroscience: Basic and Clinical, 2017, 208, 1-14.	1.4	60
483	Effect of cortisol diurnal rhythm on emotional memory in healthy young adults. Scientific Reports, 2017, 7, 10158.	1.6	5
484	Impact of the heart rate on the shape of the cardiac response function. NeuroImage, 2017, 162, 214-225.	2.1	7
485	From psychological moments to mortality: A multidisciplinary synthesis on heart rate variability spanning the continuum of time. Neuroscience and Biobehavioral Reviews, 2017, 83, 547-567.	2.9	84
486	Neural correlates of heart rate variability in PTSD during subâ€•and supraliminal processing of traumaâ€rrelated cues. Human Brain Mapping, 2017, 38, 4898-4907.	1.9	27
487	Perseverate or decenter? Differential effects of metacognition on the relationship between parasympathetic inflexibility and symptoms of depression in a multi-wave study. Behaviour Research and Therapy, 2017, 97, 123-133.	1.6	12
488	The Effects of a Mindfulness and Biofeedback Program on the On- and Off-Task Behaviors of Students with Emotional Behavioral Disorders. Contemporary School Psychology, 2017, 21, 347-357.	0.9	9
489	Heart rate variability reactivity and new romance: Cause or consequence?. Biological Psychology, 2017, 128, 50-54.	1.1	0
490	Heart rate variability predicts inhibitory control in adults with autism spectrum disorders. Biological Psychology, 2017, 128, 141-152.	1.1	24
491	Resting state functional connectivity correlates of emotional awareness. NeuroImage, 2017, 159, 99-106.	2.1	39

#	Article	IF	Citations
492	Forecasting the influence of customer-related micro-events on employeesâ€™ emotional, attitudinal and physiological responses. European Journal of Work and Organizational Psychology, 2017, 26, 779-797.	2.2	11
493	Personalized acupuncture treatment with Sasang typology. Integrative Medicine Research, 2017, 6, 329-336.	0.7	15
494	Positive affect and parasympathetic activity: Evidence for a quadratic relationship between feeling safe and content and heart rate variability. Psychiatry Research, 2017, 257, 284-289.	1.7	29
495	Effects of body mass index on parasympathetic nervous system reactivity and recovery following orthostatic stress. Journal of Nutrition, Health and Aging, 2017, 21, 1250-1253.	1.5	3
496	Impaired cardiac profile in adolescents with an increasing trajectory of anxiety when confronting an acute stressor. European Child and Adolescent Psychiatry, 2017, 26, 1501-1510.	2.8	9
497	Chronic defensiveness and neuroendocrine dysfunction reflect a novel cardiac troponin T cut point: The SABPA study. Psychoneuroendocrinology, 2017, 85, 20-27.	1.3	23
498	Stress influence on drivers identified by monitoring galvanic skin resistance and heart rate variability. , 2017, , .		7
499	Cortical thickness is associated with altered autonomic function in cognitively impaired and nonâ€impaired older adults. Journal of Physiology, 2017, 595, 6969-6978.	1.3	31
500	Affective emotion increases heart rate variability and activates left dorsolateral prefrontal cortex in post-traumatic growth. Scientific Reports, 2017, 7, 16667.	1.6	28
501	High vagally mediated resting-state heart rate variability is associated with superior action cascading. Neuropsychologia, 2017, 106, 1-6.	0.7	22
502	Acupuncture analgesia involves modulation of pain-induced gamma oscillations and cortical network connectivity. Scientific Reports, 2017, 7, 16307.	1.6	23
503	The Brain, Heart and Human Behaviour. , 0, , 41-46.		0
504	Acute effects of exercise on affective responses, cravings and heart rate variability in inpatients with alcohol use disorder â€“ A randomized cross-over trial. Mental Health and Physical Activity, 2017, 13, 68-76.	0.9	8
505	Social Ties, Health and Wellbeing: A Literature Review and Model. , 2017, , 397-427.		34
506	A Pilot Study on the Effects of Slow Paced Breathing on Current Food Craving. Applied Psychophysiology Biofeedback, 2017, 42, 59-68.	1.0	9
507	Toward an Open Data Repository and Meta-Analysis of Cognitive Data Using fNIRS Studies of Emotion. Lecture Notes in Computer Science, 2017, , 449-467.	1.0	0
508	Biological Responsiveness in Observing Sexual Attractiveness of Woman. , 2017, , .		3
509	You Are What You Tweet: A New Hybrid Model for Sentiment Analysis. Lecture Notes in Computer Science, 2017, , 403-416.	1.0	3

#	Article	IF	Citations
510	Resting Heart Rate Predicts Depression and Cognition Early after Ischemic Stroke: A Pilot Study. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2435-2441.	0.7	20
511	Reduced vagal tone in women with the FMR1 premutation is associated with FMR1 mRNA but not depression or anxiety. Journal of Neurodevelopmental Disorders, 2017, 9, 16.	1.5	12
512	A mixed-methods study of physiological reactivity to domain-specific problem solving: methodological perspectives for process-accompanying research in VET. Empirical Research in Vocational Education and Training, 2017, 9, .	0.5	9
513	Understanding the Role of Human Senses in Interactive Meditation. , 2017, , .		19
514	Corticolimbic regulation of cardiovascular responses to stress. Physiology and Behavior, 2017, 172, 49-59.	1.0	78
515	Longitudinal monitoring of heartbeat dynamics predicts mood changes in bipolar patients: A pilot study. Journal of Affective Disorders, 2017, 209, 30-38.	2.0	20
516	Energy expenditure in frontotemporal dementia: a behavioural and imaging study. Brain, 2017, 140, 171-183.	3.7	43
517	Moderate baseline vagal tone predicts greater prosociality in children.. Developmental Psychology, 2017, 53, 274-289.	1.2	52
518	Exposed to events that never happen: Generalized unsafety, the default stress response, and prolonged autonomic activity. Neuroscience and Biobehavioral Reviews, 2017, 74, 287-296.	2.9	117
519	Exploratory Study of Heart Rate Variability and Sleep among Emergency Medical Services Shift Workers. Prehospital Emergency Care, 2017, 21, 18-23.	1.0	18
520	The Heart of the Pressor Effect: Acute Caffeine Ingestion and Resting Heart Rate Variability. Journal of Caffeine Research, 2017, 7, 23-30.	1.0	3
521	Desynchronization of autonomic response and central autonomic network connectivity in posttraumatic stress disorder. Human Brain Mapping, 2017, 38, 27-40.	1.9	74
522	Artificial blood-flow controlling effects of inhomogeneity of twisted magnetic fields. Journal of Magnetism and Magnetic Materials, 2017, 431, 273-276.	1.0	2
523	The beat of social cognition: Exploring the role of heart rate variability as marker of mentalizing abilities. Social Neuroscience, 2017, 12, 489-493.	0.7	13
524	Compassion at the mirror: Exposure to a mirror increases the efficacy of a self-compassion manipulation in enhancing soothing positive affect and heart rate variability. Journal of Positive Psychology, 2017, 12, 525-536.	2.6	56
525	Effects of platooning on signal-detection performance, workload, and stress: A driving simulator study. Applied Ergonomics, 2017, 60, 116-127.	1.7	52
526	Android-based elderly support system. , 2017, , .		3
527	Wearable sensors as feedback method in virtual reality anti-stress therapy. , 2017, , .		8

#	Article	IF	Citations
528	Analysis of the reliability and accuracy of a wearable device: Comparative study with a certified clinical device. , 2017, , .		5
529	Can accelerometry data improve estimates of heart rate variability from wrist pulse PPG sensors?. , 2017, 2017, 1587-1590.		9
530	The role of cardiac vagal tone and inhibitory control in preâ€schoolers' listening comprehension. Developmental Psychobiology, 2017, 59, 970-975.	0.9	9
531	Bases neurofisiolÃ³gicas de mindfulness y compasiÃ³n: una propuesta desde la teorÃa polivagal. Mindfulness & Compassion, 2017, 2, 101-111.	0.5	1
533	Linking numbers to perceptions and experiences: Why we need transdisciplinary mixed-methods combining neurophysiological and qualitative data. Methodological Innovations, 2017, 10, 205979911770311.	0.5	6
534	Natural interaction based on affective robotics for multi-robot systems. , 2017, , .		7
535	The role of automatic defensive responses in the development of posttraumatic stress symptoms in police recruits: protocol of a prospective study. HÃ¶gre Utbildning, 2017, 8, 1412226.	1.4	18
536	Dimensions of Adversity, Physiological Reactivity, and Externalizing Psychopathology in Adolescence: Deprivation and Threat. Psychosomatic Medicine, 2017, 79, 162-171.	1.3	143
537	Homo Neuroeconomicus. International Journal of User-Driven Healthcare, 2017, 7, 44-56.	0.1	1
539	Emotion Regulation Therapy: A Mechanism-Targeted Treatment for Disorders of Distress. Frontiers in Psychology, 2017, 8, 98.	1.1	85
540	Heart Rate Variability and Cardiac Vagal Tone in Psychophysiological Research â€“ Recommendations for Experiment Planning, Data Analysis, and Data Reporting. Frontiers in Psychology, 2017, 08, 213.	1.1	1,182
541	The Association between Self-Reported Difficulties in Emotion Regulation and Heart Rate Variability: The Salient Role of Not Accepting Negative Emotions. Frontiers in Psychology, 2017, 8, 328.	1.1	74
542	Non-suicidal Self-Injury in Eating Disordered Patients: Associations with Heart Rate Variability and State-Trait Anxiety. Frontiers in Psychology, 2017, 8, 1163.	1.1	13
543	Regulating Anger under Stress via Cognitive Reappraisal and Sadness. Frontiers in Psychology, 2017, 8, 1372.	1.1	18
544	Heart-Rate Variabilityâ€"More than Heart Beats?. Frontiers in Public Health, 2017, 5, 240.	1.3	257
545	Opinion: â€œHeart Rate Variability, Health and Well-Being: A Systems Perspectiveâ€•Research Topic. Frontiers in Public Health, 2017, 5, 246.	1.3	7
546	Heart Rate Variability Indexes in Dementia: A Systematic Review with a Quantitative Analysis. Current Alzheimer Research, 2017, 15, 80-88.	0.7	52
547	Heart-Rate Monitoring Using Single Camera. , 2017, , .		0

#	Article	IF	Citations
548	A Randomized Crossover Trial on Acute Stress-Related Physiological Responses to Mountain Hiking. International Journal of Environmental Research and Public Health, 2017, 14, 905.	1.2	23
549	A Little Goes a Long Way: Low Working Memory Load Is Associated with Optimal Distractor Inhibition and Increased Vagal Control under Anxiety. Frontiers in Human Neuroscience, 2017, 11, 43.	1.0	17
550	Distinct Functional Connectivities Predict Clinical Response with Emotion Regulation Therapy. Frontiers in Human Neuroscience, 2017, 11, 86.	1.0	36
551	Heterogeneity in Autonomic Arousal Level in Perseverative Worry: The Role of Cognitive Control and Verbal Thought. Frontiers in Human Neuroscience, 2017, 11, 108.	1.0	12
552	Resting Heart Rate Variability, Facets of Rumination and Trait Anxiety: Implications for the Perseverative Cognition Hypothesis. Frontiers in Human Neuroscience, 2017, 11, 520.	1.0	33
553	Enhancement of Pleasure during Spontaneous Dance. Frontiers in Human Neuroscience, 2017, 11, 572.	1.0	29
554	Depression-related difficulties disengaging from negative faces are associated with sustained attention to negative feedback during social evaluation and predict stress recovery. PLoS ONE, 2017, 12, e0175040.	1.1	40
555	Predicting Changes in Cognitive Performance Using Heart Rate Variability. IEICE Transactions on Information and Systems, 2017, E100.D, 2411-2419.	0.4	11
556	The Effect of Pottery Therapy on Heart Rate Variability in College Students with Mental Health Problems. Journal of Mental Disorders and Treatment, 2017, 03, .	0.1	0
557	Autonomic dysregulation in burnout and depression: evidence for the central role of exhaustion. Scandinavian Journal of Work, Environment and Health, 2017, 43, 475-484.	1.7	41
558	Two Factors That Fuel Compassion. , 2017, , .		3
559	The Varieties of Self-Transcendent Experience. Review of General Psychology, 2017, 21, 143-160.	2.1	290
560	A Neurovisceral Integration Model of Heart Rate Variability. , 2017, , .		3
562	Self-compassion Modulates Heart Rate Variability and Negative Affect to Experimentally Induced Stress. Mindfulness, 2018, 9, 1522-1528.	1.6	49
563	Working mechanisms of a general positivity approach-avoidance training: Effects on action tendencies as well as on subjective and physiological stress responses. Journal of Behavior Therapy and Experimental Psychiatry, 2018, 59, 134-141.	0.6	13
564	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
565	Can you spare 15â€¯min? The measurable positive impact of a 15-min petting session on shelter dog well-being. Applied Animal Behaviour Science, 2018, 203, 42-54.	0.8	35
566	Media exposure to terrorism and people's risk perception: The role of environmental sensitivity and psychophysiological response to stress. British Journal of Psychology, 2018, 109, 656-673.	1.2	29

#	Article	IF	Citations
567	A review of physiological and behavioral monitoring with digital sensors for neuropsychiatric illnesses. Physiological Measurement, 2018, 39, 05TR01.	1.2	86
568	Concussion and the autonomic nervous system: An introduction to the field and the results of a systematic review. NeuroRehabilitation, 2018, 42, 397-427.	0.5	71
569	Mindfulness-based relapse prevention combined with virtual reality cue exposure for methamphetamine use disorder: Study protocol for a randomized controlled trial. Contemporary Clinical Trials, 2018, 70, 99-105.	0.8	19
570	The effect of music on postoperative recovery in older patients: A systematic review. Journal of Geriatric Oncology, 2018, 9, 550-559.	0.5	23
571	Variability in cerebral blood flow velocity at rest and during mental stress in healthy individuals: Associations with cardiovascular parameters and cognitive performance. Biological Psychology, 2018, 135, 149-158.	1.1	12
572	Driversâ€™ physiological response and emotional evaluation in the noisy environment of the control cabin of a shield tunneling machine. Applied Acoustics, 2018, 138, 1-8.	1.7	15
573	The Relationship Between Heart Rate Variability, Psychological Flexibility, and Pain in Neurofibromatosis Type 1. Pain Practice, 2018, 18, 969-978.	0.9	23
574	Parasympathetic and sympathetic activity are associated with individual differences in neural indices of selective attention in adults. Psychophysiology, 2018, 55, e13079.	1.2	41
575	Brainâ€heart interaction in perseverative cognition. Psychophysiology, 2018, 55, e13082.	1.2	60
576	Age and IQ Explained Working Memory Performance in a RCT with Fatty Fish in a Group of Forensic Inpatients. Journal of Nutrition, Health and Aging, 2018, 22, 513-518.	1.5	3
577	Resting heart rate variability is associated with ex-Gaussian metrics of intra-individual reaction time variability. International Journal of Psychophysiology, 2018, 125, 10-16.	0.5	17
578	Emotional dysregulation is a primary symptom in adult Attention-Deficit/Hyperactivity Disorder (ADHD). Journal of Affective Disorders, 2018, 232, 41-47.	2.0	101
579	High trait emotional intelligence in men: Beneficial for perceived stress levels but disadvantageous for the physiological response to acute stressors?. Journal of Applied Biobehavioral Research, 2018, 23, e12116.	2.0	4
580	Examining the Prospective Relationship between Pre-Disaster Respiratory Sinus Arrhythmia and Post-Disaster Posttraumatic Stress Disorder Symptoms in Children. Journal of Abnormal Child Psychology, 2018, 46, 1535-1545.	3.5	12
581	Prefrontal cortex modulates the correlations between brain-derived neurotrophic factor level, serotonin, and the autonomic nervous system. Scientific Reports, 2018, 8, 2558.	1.6	16
582	During stress, heart rate variability moderates the impact of childhood adversity in women with breast cancer. Stress, 2018, 21, 179-187.	0.8	14
583	Heart rate variability associated with grey matter volumes in striatal and limbic structures of the central autonomic network. Brain Research, 2018, 1681, 14-20.	1.1	36
584	One Session of Autogenic Training Increases Acute Subjective Sexual Arousal in Premenopausal Women Reporting Sexual Arousal Problems. Journal of Sexual Medicine, 2018, 15, 64-76.	0.3	10

#	Article	IF	Citations
585	Self-regulation and aggressive antisocial behaviour: insights from amygdala-prefrontal and heart-brain interactions. Psychology, Crime and Law, 2018, 24, 243-257.	0.8	29
586	Age-related changes in baroreflex sensitivity and cardiac autonomic tone in children mirrored by regional brain gray matter volume trajectories. Pediatric Research, 2018, 83, 498-505.	1.1	11
587	An intelligent, adaptive, performanceâ€sensitive, and virtual realityâ€based gaming platform for the upper limb. Computer Animation and Virtual Worlds, 2018, 29, e1800.	0.7	11
588	Intolerance of uncertainty: Neural and psychophysiological correlates of the perception of uncertainty as threatening. Clinical Psychology Review, 2018, 60, 87-99.	6.0	120
589	How heart rate variability affects emotion regulation brain networks. Current Opinion in Behavioral Sciences, 2018, 19, 98-104.	2.0	295
590	Cortical thickness, resting state heart rate, and heart rate variability in female adolescents. Psychophysiology, 2018, 55, e13043.	1.2	11
591	Exercise training in adults with repaired tetralogy of Fallot: A randomized controlled pilot study of continuous versus interval training. International Journal of Cardiology, 2018, 255, 37-44.	0.8	28
592	One-Year Cardiovascular Prognosis of the Randomized, Controlled, Short-Term Heart Rate Variability Biofeedback Among Patients with Coronary Artery Disease. International Journal of Behavioral Medicine, 2018, 25, 271-282.	0.8	31
594	Cardiac autonomic modulation impairments in advanced breast cancer patients. Clinical Research in Cardiology, 2018, 107, 924-936.	1.5	25
595	Cumulative risk exposure moderates the association between parasympathetic reactivity and inhibitory control in preschoolâ€age children. Developmental Psychobiology, 2018, 60, 324-332.	0.9	15
596	Converting Infinite Impulse Response Filters to Parallel Form [Tips & Tricks]. IEEE Signal Processing Magazine, 2018, 35, 124-130.	4.6	7
597	Assessing the antecedents and consequences of threat appraisal of an acute psychosocial stressor: the role of optimism, displacement behavior, and physiological responses. Stress, 2018, 21, 304-311.	0.8	4
598	Does spending time outdoors reduce stress? A review of real-time stress response to outdoor environments. Health and Place, 2018, 51, 136-150.	1.5	171
599	Under pressure: human adolescents express a pace-of-life syndrome. Behavioral Ecology and Sociobiology, 2018, 72, 1.	0.6	50
600	Heart rate variability is associated with thermal heat pain threshold in males, but not females. International Journal of Psychophysiology, 2018, 131, 37-43.	0.5	15
601	Autonomic cardiac control response to walking and executive cognitive task in adolescents with acquired brain injury and typically developed controls. Brain Injury, 2018, 32, 770-775.	0.6	8
602	A Longitudinal Mapping Study on Cortical Plasticity of Peripheral Nerve Injury Treated by Direct Anastomosis and Electroacupuncture in Rats. World Neurosurgery, 2018, 114, e267-e282.	0.7	17
603	Physiological changes in neurodegeneration â€" mechanistic insights and clinical utility. Nature Reviews Neurology, 2018, 14, 259-271.	4.9	72

#	Article	IF	Citations
604	The HeartÂ´s rhythm â€˜nâ€™ blues: Sex differences in circadian variation patterns of vagal activity vary by depressive symptoms in predominantly healthy employees. Chronobiology International, 2018, 35, 896-909.	0.9	32
605	Heart-rate variability: a biomarker to study the influence of nutrition on physiological and psychological health?. Behavioural Pharmacology, 2018, 29, 140-151.	0.8	140
606	Task-induced deactivation in diverse brain systems correlates with interindividual differences in distinct autonomic indices. Neuropsychologia, 2018, 113, 29-42.	0.7	7
607	Biofeedback to treat anxiety in young people at clinical high risk for developing psychosis. Microbial Biotechnology, 2018, 12, 694-701.	0.9	22
608	An investigation into the relationship between heart rate variability and the ventilatory threshold in healthy moderately trained males. Clinical Physiology and Functional Imaging, 2018, 38, 455-461.	0.5	9
609	Searching for a job: Cardiac responses to acute stress and the mediating role of threat appraisal in young people. Stress and Health, 2018, 34, 15-23.	1.4	8
610	Gratitude and Subjective Wellbeing: A Proposal of Two Causal Frameworks. Journal of Happiness Studies, 2018, 19, 1519-1542.	1.9	64
611	Brief mindfulness meditation group training in aphasia: exploring attention, language and psychophysiological outcomes. International Journal of Language and Communication Disorders, 2018, 53, 40-54.	0.7	50
612	The role of longâ€term physical exercise on performance and brain activation during the Stroop colour word task in fibromyalgia patients. Clinical Physiology and Functional Imaging, 2018, 38, 508-516.	0.5	22
613	Assessing prefrontal cortex oxygenation after sport concussion with nearâ€infrared spectroscopy. Clinical Physiology and Functional Imaging, 2018, 38, 573-585.	0.5	35
614	Endogenous Pain Modulation: Association with Resting Heart Rate Variability and Negative Affectivity. Pain Medicine, 2018, 19, 1587-1596.	0.9	17
615	Afferent cardiac signals modulate attentional engagement to low spatial frequency fearful faces. Cortex, 2018, 104, 232-240.	1.1	28
616	Emotion processing in persons who respond vicariously towards others in pain: Disinhibited left-lateralized neural activity for threatening expressions. Laterality, 2018, 23, 184-208.	0.5	2
617	Mindfulness-Based Relapse Prevention for Substance Use Disorders: Effects on Cardiac Vagal Control and Craving Under Stress. Mindfulness, 2018, 9, 488-499.	1.6	23
618	Children prenatally exposed to maternal anxiety devote more attentional resources to neutral pictures. Developmental Science, 2018, 21, e12612.	1.3	13
619	Influence of visual elicitation on emotion regulation: An investigation employing heart rate variability. Journal of Integrative Neuroscience, 2018, 16, 209-226.	0.8	1
620	Cognitive Performance Enhancement: Do Biofeedback and Neurofeedback Work?. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2018, 2, 12-42.	0.8	18
621	Nested positive feedback loops in the maintenance of major depression: An integration and extension of previous models. Brain, Behavior, and Immunity, 2018, 67, 374-397.	2.0	34

#	Article	IF	Citations
622	Using wearable technology to detect the autonomic signature of illness severity in schizophrenia. Schizophrenia Research, 2018, 195, 537-542.	1.1	61
623	Patientsâ€™ autonomic activation during clinical interaction: A review of empirical studies. Patient Education and Counseling, 2018, 101, 195-208.	1.0	25
624	Neuro-, Cardio-, and Immunoplasticity: Effects of Early Adversity. Annual Review of Psychology, 2018, 69, 131-156.	9.9	24
625	Mindfulness Training, Yoga, or Both? Dismantling the Active Components of a Mindfulness-Based Stress Reduction Intervention. Mindfulness, 2018, 9, 512-520.	1.6	34
626	Brain structural concomitants of resting state heart rate variability in the young and old: evidence from two independent samples. Brain Structure and Function, 2018, 223, 727-737.	1.2	68
627	Greater cortical thickness within the limbic visceromotor network predicts higher levels of trait emotional awareness. Consciousness and Cognition, 2018, 57, 54-61.	0.8	22
628	How One Experiences and Embodies Compassionate Mind Training Influences Its Effectiveness. Mindfulness, 2018, 9, 1224-1235.	1.6	26
629	Physiological Measurement in the Organizational Sciences: A Review and Recommendations for Future Use. Annual Review of Organizational Psychology and Organizational Behavior, 2018, 5, 267-293.	5.6	32
630	Heart rate variability mediates the link between rumination and depressive symptoms: A longitudinal study. International Journal of Psychophysiology, 2018, 131, 131-138.	0.5	78
631	Prenatal maternal mood patterns predict child temperament and adolescent mental health. Journal of Affective Disorders, 2018, 228, 83-90.	2.0	87
632	Heart rate variability and implication for sport concussion. Clinical Physiology and Functional Imaging, 2018, 38, 733-742.	0.5	60
633	The somatic marker hypothesis: revisiting the role of the â€˜body-loopâ€™ in decision-making. Current Opinion in Behavioral Sciences, 2018, 19, 61-66.	2.0	47
634	Behavioral depression is associated with increased vagally mediated heart rate variability in adult female cynomolgus monkeys (Macaca fascicularis). International Journal of Psychophysiology, 2018, 131, 139-143.	0.5	17
635	Pre-performance Physiological State: Heart Rate Variability as a Predictor of Shooting Performance. Applied Psychophysiology Biofeedback, 2018, 43, 75-85.	1.0	32
636	Prediction of Daily Mental Stress Levels Using a Wearable Photoplethysmography Sensor. , 2018, , .		12
637	The Interaction Analysis between the Sympathetic and Parasympathetic Systems in CHF by Using Transfer Entropy Method. Entropy, 2018, 20, 795.	1.1	13
638	Meditation-based clinical study to determine the correlation of quantitative electroencephalogram (qEEG) and 24-hour EEG activity. Medicine (United States), 2018, 97, e12557.	0.4	0
639	Intolerance of Uncertainty. , 2018, , 196-226.		1

#	Article	IF	Citations
640	Generalized Anxiety Disorder. , 2018, , 517-549.		1
641	Intra-Individual Variability in Vagal Control Is Associated With Response Inhibition Under Stress. Frontiers in Human Neuroscience, 2018, 12, 475.	1.0	19
642	Testing a scalable web and smartphone based intervention to improve depression, anxiety, and resilience: A randomized controlled trial. International Journal of Wellbeing, 2018, 8, 22-67.	1.5	72
643	Magnetohydrodynamic Approach to Effective Blood-Flow Con-trol Utilizing ELF fields. , 2018, , .		0
644	Stress Response Index for Adverse Childhood Experience Based on Fusion of Biomarkers. , 2018, , .		1
645	Biased Competition Favoring Physical Over Emotional Pain: A Possible Explanation for the Link Between Early Adversity and Chronic Pain. Psychosomatic Medicine, 2018, 80, 880-890.	1.3	41
646	Use of Virtual Reality for the Evaluation of Human-Robot Interaction Systems in Complex Scenarios. , 2018, , .		15
647	Performance of graphene ECG electrodes under varying conditions. , 2018, 2018, 3813-3816.		9
648	Regulation of Functions of the Brain and Body by the Principle of predictive Coding. Psihologijske Teme, 2018, 27, 1-15.	0.1	3
649	Team Measurement: Unobtrusive Strategies for Intelligent Tutoring Systems. Research on Managing Groups and Teams, 2018, , 101-130.	0.6	3
650	Randomized controlled trial of an 8-week intervention combining self-care and hypnosis for post-treatment cancer patients: study protocol. BMC Cancer, 2018, 18, 1113.	1.1	7
651	Expedition Cognition: A Review and Prospective of Subterranean Neuroscience With Spaceflight Applications. Frontiers in Human Neuroscience, 2018, 12, 407.	1.0	21
652	Heart Rate Estimation Method by Measuring Pulse Wave Through Conductive Fibers Mounted on Forearms. , 2018, , .		1
653	Yoga Practitioners Uniquely Activate the Superior Parietal Lobule and Supramarginal Gyrus During Emotion Regulation. Frontiers in Integrative Neuroscience, 2018, 12, 60.	1.0	22
654	A multi-modal biofeedback protocol to demonstrate physiological manifestations of psychological stress and introduce heart rate variability biofeedback stress management. Journal of Sport Psychology in Action, 2018, 9, 216-226.	0.6	4
655	Mindfulness meditation in the treatment of substance use disorders and preventing future relapse: neurocognitive mechanisms and clinical implications. Substance Abuse and Rehabilitation, 2018, Volume 9, 103-114.	1.6	60
656	Differences in Neural Recovery From Acute Stress Between Cortisol Responders and Non-responders. Frontiers in Psychiatry, 2018, 9, 631.	1.3	13
657	MRI-related anxiety in healthy individuals, intrinsic BOLD oscillations at 0.1 Hz in precentral gyrus and insula, and heart rate variability in low frequency bands. PLoS ONE, 2018, 13, e0206675.	1.1	9

#	Article	IF	Citations
658	A unifying conceptual framework of factors associated to cardiac vagal control. Heliyon, 2018, 4, e01002.	1.4	43
659	Hearts and Politics. , 2018, , .		3
660	DNA methylation ofOXTRis associated with parasympathetic nervous system activity and amygdala morphology. Social Cognitive and Affective Neuroscience, 2018, 13, 1155-1162.	1.5	18
661	Cerebral blood flow variability in fibromyalgia syndrome: Relationships with emotional, clinical and functional variables. PLoS ONE, 2018, 13, e0204267.	1.1	11
662	Virtual Reality as an Emerging Methodology for Leadership Assessment and Training. Frontiers in Psychology, 2018, 9, 1658.	1.1	28
663	Common and Unique Neural Systems Underlying the Working Memory Maintenance of Emotional vs. Bodily Reactions to Affective Stimuli: The Moderating Role of Trait Emotional Awareness. Frontiers in Human Neuroscience, 2018, 12, 370.	1.0	20
664	Enhancing Social Interaction in Depression (SIDE study): protocol of a randomised controlled trial on the effects of a Cognitively Based Compassion Training (CBCT) for couples. BMJ Open, 2018, 8, e020448.	0.8	13
665	Strokeâ€“heart syndrome: clinical presentation and underlying mechanisms. Lancet Neurology, The, 2018, 17, 1109-1120.	4.9	135
666	The contribution of cardiac vagal activity on peripheral perception under pressure. Progress in Brain Research, 2018, 240, 93-107.	0.9	2
667	Breath of Life: The Respiratory Vagal Stimulation Model of Contemplative Activity. Frontiers in Human Neuroscience, 2018, 12, 397.	1.0	126
668	Coping related variables, cardiac vagal activity and working memory performance under pressure. Acta Psychologica, 2018, 191, 179-189.	0.7	23
669	Dyadic Coping, Respiratory Sinus Arrhythmia, and Depressive Symptoms Among Parents of Preschool Children. Frontiers in Psychology, 2018, 9, 1959.	1.1	7
670	Enhancing cardiac vagal activity: Factors of interest for sport psychology. Progress in Brain Research, 2018, 240, 71-92.	0.9	15
671	A neuro-cognitive process model of emotional intelligence. Biological Psychology, 2018, 139, 131-151.	1.1	45
672	The Neuro-Immuno-Senescence Integrative Model (NISIM) on the Negative Association Between Parasympathetic Activity and Cellular Senescence. Frontiers in Neuroscience, 2018, 12, 726.	1.4	18
673	Neural mechanisms of emotion regulation and their role in endocrine and immune functioning: A review with implications for treatment of affective disorders. Neuroscience and Biobehavioral Reviews, 2018, 95, 508-514.	2.9	33
674	Biopsychosocial approach to understanding resilience: Stress habituation and where to intervene. Journal of Evaluation in Clinical Practice, 2018, 24, 1339-1346.	0.9	33
675	Does the body give the brain an attentional boost? Examining the relationship between attentional and cardiac gating. Biological Psychology, 2018, 139, 124-130.	1.1	6

#	Article	IF	Citations
676	Increases in orbitofrontal cortex thickness following antidepressant treatment are associated with changes in resting state autonomic function in adolescents with major depression â€“ Preliminary findings from a pilot study. Psychiatry Research - Neuroimaging, 2018, 281, 35-42.	0.9	26
677	Individual differences in heart rate reveal a broad range of autonomic phenotypes in a free-living seabird population. Journal of Experimental Biology, 2018, 221, .	0.8	9
678	Relieving operatorsâ€™ workload: Towards affective robotics in industrial scenarios. Mechatronics, 2018, 54, 144-154.	2.0	36
679	Health behaviours in emerging adulthood: Their relationship with perceived maternal and paternal parental attitudes and the mediating role of self-efficacy. Health Psychology Report, 2017, 6, 94-108.	0.5	2
680	Network Architecture Underlying Basal Autonomic Outflow: Evidence from Frontotemporal Dementia. Journal of Neuroscience, 2018, 38, 8943-8955.	1.7	66
681	Adolescents' brain-autonomic coupling during emotion processing. NeuroImage, 2018, 183, 818-827.	2.1	16
682	Anxiety Body Odors as Context for Dynamic Faces: Categorization and Psychophysiological Biases. Perception, 2018, 47, 1054-1069.	0.5	21
683	Attachment buffers the physiological impact of social exclusion. PLoS ONE, 2018, 13, e0203287.	1.1	28
684	The swinging effect intervention: CBT based guided imagery and breathing technique integrated with mindfulness therapy for cancer patients. Medical Hypotheses, 2018, 121, 42-43.	0.8	4
685	History of childhood emotional abuse predicts lower resting-state high-frequency heart rate variability in depressed women. Psychiatry Research, 2018, 269, 681-687.	1.7	19
686	Stress and Heart Rate Variability: A Meta-Analysis and Review of the Literature. Psychiatry Investigation, 2018, 15, 235-245.	0.7	1,115
687	Reduced heart rate variability in a treatment-seeking early psychosis sample. Psychiatry Research, 2018, 269, 293-300.	1.7	16
688	Heart rate phenotypes and clinical correlates in a large cohort of adults without sleep apnea. Nature and Science of Sleep, 2018, Volume 10, 111-125.	1.4	8
689	Heart rate variability response to affective pictures processed in and outside of conscious awareness: Three consecutive studies on emotional regulation. International Journal of Psychophysiology, 2018, 129, 18-30.	0.5	12
690	Association of Depressive Symptoms and Heart Rate Variability in Vietnam Warâ€“Era Twins. JAMA Psychiatry, 2018, 75, 705.	6.0	44
691	Learning by heartâ€”the relationship between resting vagal tone and metacognitive judgments: a pilot study. Cognitive Processing, 2018, 19, 557-561.	0.7	8
692	Association between changes in heart rate variability during the anticipation of a stressful situation and the stress-induced cortisol response. Psychoneuroendocrinology, 2018, 94, 63-71.	1.3	97
693	Evaluating Photoplethysmogram as a Real-Time Cognitive Load Assessment during Game Playing. International Journal of Human-Computer Interaction, 2018, 34, 695-706.	3.3	17

#	Article	IF	Citations
694	Comprehensive miscarriage dataset for an early miscarriage prediction. Data in Brief, 2018, 19, 240-243.	0.5	10
695	Applying a Developmental Framework to the Selfâ€Regulatory Difficulties of Young Children with Prenatal Alcohol Exposure: A Review. Alcoholism: Clinical and Experimental Research, 2018, 42, 987-1005.	1.4	13
696	Quantification of the Central Cardiovascular Network Applying the Normalized Short-time Partial Directed Coherence Approach in Healthy Subjects. Methods of Information in Medicine, 2018, 57, 129-134.	0.7	3
697	Higher cardiovascular fitness level is associated to better cognitive dual-task performance in Master Athletes: Mediation by cardiac autonomic control. Brain and Cognition, 2018, 125, 127-134.	0.8	27
698	The effect of circadian rhythm on the correlation and multifractality of heart rate signals during exercise. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 1207-1213.	1.2	6
699	Multivariate assessment of the central-cardiorespiratory network structure in neuropathological disease. Physiological Measurement, 2018, 39, 074004.	1.2	17
700	Systematic Review of Biofeedback Interventions for Addressing Anxiety and Depression in Children and Adolescents with Long-Term Physical Conditions. Applied Psychophysiology Biofeedback, 2018, 43, 179-192.	1.0	34
701	Behavioral interventions in health neuroscience. Annals of the New York Academy of Sciences, 2018, 1428, 51-70.	1.8	9
702	The Effects of Implicit Team Identification (iTeam ID) on Revisit and WOM Intentions: A Moderated Mediation of Emotions and Flow. Journal of Sport Management, 2018, 32, 334-347.	0.7	31
703	The Impact of Exercise in Rodent Models of Chronic Pain. Current Osteoporosis Reports, 2018, 16, 344-359.	1.5	25
704	Psychological functioning in Parkinson's disease post-deep brain stimulation: Self-regulation and executive functioning. Journal of Psychosomatic Research, 2018, 111, 42-49.	1.2	5
705	Self-reported emotion regulation difficulties are associated with mood but not with the biological stress response to thin ideal exposure. PLoS ONE, 2018, 13, e0199769.	1.1	10
706	Fractal dimension of EEG signals and heart dynamics in discrete emotional states. Biological Psychology, 2018, 137, 42-48.	1.1	36
707	OMT to Address the Physiologic Effects of Stress. Journal of Osteopathic Medicine, 2018, 118, e11-e11.	0.4	5
708	The human cortical autonomic network and volitional exercise in health and disease. Applied Physiology, Nutrition and Metabolism, 2018, 43, 1122-1130.	0.9	16
709	The Role of the Vagus Nerve in Cancer Prognosis: A Systematic and a Comprehensive Review. Journal of Oncology, 2018, 2018, 1-11.	0.6	46
710	Heart Rate Variability as a Prognostic Factor for Cancer Survival â€“ A Systematic Review. Frontiers in Physiology, 2018, 9, 623.	1.3	78
711	Inter-individual Differences in Heart Rate Variability Are Associated with Inter-individual Differences in Empathy and Alexithymia. Frontiers in Psychology, 2018, 9, 229.	1.1	40

#	Article	IF	Citations
712	Negative Affectivity, Depression, and Resting Heart Rate Variability (HRV) as Possible Moderators of Endogenous Pain Modulation in Functional Somatic Syndromes. Frontiers in Psychology, 2018, 9, 275.	1.1	6
713	Somatoform and Other Psychosomatic Disorders. , 2018, , .		0
714	The enemy in the mirror: self-perception-induced stress results in dissociation of psychological and physiological responses in patients with dissociative disorder. HÃ¶gre Utbildning, 2018, 9, 1472991.	1.4	19
715	Fifty years of microneurography: learning the language of the peripheral sympathetic nervous system in humans. Journal of Neurophysiology, 2018, 119, 1731-1744.	0.9	52
716	The Heart as a Psychoneuroendocrine and Immunoregulatory Organ. Advances in Experimental Medicine and Biology, 2018, 1065, 225-239.	0.8	14
717	Functional neuroanatomy of peripheral inflammatory physiology: A meta-analysis of human neuroimaging studies. Neuroscience and Biobehavioral Reviews, 2018, 94, 76-92.	2.9	113
718	Is hemifacial spasm affected by changes in the heart rate? A study using heart rate variability analysis. Clinical Neurophysiology, 2018, 129, 2205-2214.	0.7	8
719	Alexithymia as a Core Trait in Psychosomatic and Other Psychological Disorders. , 2018, , 89-106.		10
720	The Role of Nonverbal Features of Caregiving Behavior. , 2018, , 295-323.		3
721	Vagal Tank Theory: The Three Rs of Cardiac Vagal Control Functioning â€“ Resting, Reactivity, and Recovery. Frontiers in Neuroscience, 2018, 12, 458.	1.4	157
722	Delayed parasympathetic reactivation and sympathetic withdrawal following maximal cardiopulmonary exercise testing (CPET) in hypoxia. European Journal of Applied Physiology, 2018, 118, 2189-2201.	1.2	12
723	Prenatal stress and the developing brain: Risks for neurodevelopmental disorders. Development and Psychopathology, 2018, 30, 743-762.	1.4	110
724	Autonomic Nervous System and Stress to Predict Secondary Ischemic Events after Transient Ischemic Attack or Minor Stroke: Possible Implications of Heart Rate Variability. Frontiers in Neurology, 2018, 9, 90.	1.1	38
725	Structural Covariance of the Prefrontal-Amygdala Pathways Associated with Heart Rate Variability. Frontiers in Human Neuroscience, 2018, 12, 2.	1.0	24
726	Autonomic and Brain Morphological Predictors of Stress Resilience. Frontiers in Neuroscience, 2018, 12, 228.	1.4	83
727	Heart Rate Variability Frequency Domain Alterations among Healthy Nurses Exposed to Prolonged Work Stress. International Journal of Environmental Research and Public Health, 2018, 15, 113.	1.2	33
728	Good decision-making is associated with an adaptive cardiovascular response to social competitive stress. Stress, 2018, 21, 528-537.	0.8	6
729	Brain structural thickness and resting state autonomic function in adolescents with major depression. Social Cognitive and Affective Neuroscience, 2018, 13, 741-753.	1.5	15

#	Article	IF	Citations
730	Evaluating the Effectiveness of Graduated Stress Exposure in Virtual Spaceflight Hazard Training. Journal of Cognitive Engineering and Decision Making, 2018, 12, 248-268.	0.9	18
731	Generalized Unsafety Theory of Stress: Unsafe Environments and Conditions, and the Default Stress Response. International Journal of Environmental Research and Public Health, 2018, 15, 464.	1.2	129
732	Cardiac vagal dysfunction moderates patterns of craving across the day in moderate to heavy consumers of alcohol. PLoS ONE, 2018, 13, e0200424.	1.1	7
733	Circadian challenge of astronautsâ€™ unconscious mind adapting to microgravity in space, estimated by heart rate variability. Scientific Reports, 2018, 8, 10381.	1.6	17
734	Effects of virtual reality high heights exposure during beam-walking on physiological stress and cognitive loading. PLoS ONE, 2018, 13, e0200306.	1.1	76
735	RESonance: Lightweight, Room-Scale Audio-Visual Biofeedback for Immersive Relaxation Training. IEEE Access, 2018, 6, 38336-38347.	2.6	17
736	Resting heart rate variability in young women is a predictor of EEG reactions to linguistic ambiguity in sentences. Brain Research, 2018, 1701, 1-17.	1.1	2
737	Magnetohydrodynamic Approach to Effective Blood-Flow Control Utilizing Extremely Low-Frequency Fields. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	0
738	Operator situation awareness and physiological states during offshore well control scenarios. Journal of Loss Prevention in the Process Industries, 2018, 55, 332-337.	1.7	15
739	Effects of heart rate variability biofeedback during exposure to fear-provoking stimuli within spider-fearful individuals: study protocol for a randomized controlled trial. Trials, 2018, 19, 184.	0.7	14
740	Increased parasympathetic activity and ability to generate positive emotion: The influence of the BDNF Val66Met polymorphism on emotion flexibility. Motivation and Emotion, 2018, 42, 586-601.	0.8	2
741	Effect of Acute Intermittent Exercise on Cognitive Flexibility: the Role of Exercise Intensity. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2018, 2, 146-156.	0.8	16
742	Heart rate variability as candidate endophenotype of social anxiety: A two-generation family study. Journal of Affective Disorders, 2018, 237, 47-55.	2.0	6
743	Heart rate variability is associated with social value orientation in males but not females. Scientific Reports, 2018, 8, 7336.	1.6	14
744	Highly sensitive index of cardiac autonomic control based on time-varying respiration derived from ECG. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R469-R478.	0.9	5
745	A Heartbeat Away From Consciousness: Heart Rate Variability Entropy Can Discriminate Disorders of Consciousness and Is Correlated With Resting-State fMRI Brain Connectivity of the Central Autonomic Network. Frontiers in Neurology, 2018, 9, 769.	1.1	48
746	Cardiac Autonomic Neuropathy in Diabetes: A Predictor of Cardiometabolic Events. Frontiers in Neuroscience, 2018, 12, 591.	1.4	92
747	Validation of the Apple Watch for Heart Rate Variability Measurements during Relax and Mental Stress in Healthy Subjects. Sensors, 2018, 18, 2619.	2.1	135

#	Article	IF	Citations
748	Chaos based nonlinear analysis to study cardiovascular responses to changes in posture. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 392-403.	1.2	6
749	Resting EEG Microstates and Autonomic Heart Rate Variability Do Not Return to Baseline One Hour After a Submaximal Exercise. Frontiers in Neuroscience, 2018, 12, 460.	1.4	16
750	Sample Entropy of the Heart Rate Reflects Properties of the System Organization of Behaviour. Entropy, 2018, 20, 449.	1.1	25
751	The effects of propranolol on heart rate variability and quantitative, mechanistic, pain profiling: a randomized placebo-controlled crossover study. Scandinavian Journal of Pain, 2018, 18, 479-489.	0.5	17
752	Ultraâ€šhort heart rate variability recording reliability: The effect of controlled paced breathing. Annals of Noninvasive Electrocardiology, 2018, 23, e12565.	0.5	37
753	Does sleep deprivation increase the vulnerability to acute psychosocial stress in young and older adults?. Psychoneuroendocrinology, 2018, 96, 155-165.	1.3	52
754	Bringing Wearable Sensors into the Classroom: A Participatory Approach [SP Education]. IEEE Signal Processing Magazine, 2018, 35, 110-130.	4.6	27
755	Distress tolerance across self-report, behavioral and psychophysiological domains in women with eating disorders, and healthy controls. Journal of Behavior Therapy and Experimental Psychiatry, 2018, 61, 24-31.	0.6	17
756	Cardiovascular and psychological responses to voluntary recall of trauma in posttraumatic stress disorder. HÃ¶gre Utbildning, 2018, 9, 1472988.	1.4	9
757	Heart rate variability and occupational stressâ€”systematic review. Industrial Health, 2018, 56, 500-511.	0.4	130
759	Affective communication during bad news consultation. Effect on analogue patientsâ€™ heart rate variability and recall. Patient Education and Counseling, 2018, 101, 1892-1899.	1.0	15
760	Immediate and sustained effects of intermittent exercise on inhibitory control and task-related heart rate variability in adolescents. Journal of Science and Medicine in Sport, 2019, 22, 96-100.	0.6	36
761	Baseline autonomic nervous system activity in female children and adolescents with conduct disorder: Psychophysiological findings from the FemNAT-CD study. Journal of Criminal Justice, 2019, 65, 101564.	1.5	14
762	Hematological and Psychophysiological Correlates of Anomalous Information Reception in Mediums: A Preliminary Exploration. Explore: the Journal of Science and Healing, 2019, 15, 126-133.	0.4	3
763	Order Effects of Resistance and Stretching Exercises on Heart Rate Variability and Blood Pressure in Healthy Adults. Journal of Strength and Conditioning Research, 2019, 33, 2684-2693.	1.0	13
764	Biofeedback as a stress management tool: a systematic review. Cognition, Technology and Work, 2019, 21, 161-190.	1.7	44
765	Extinction Learning as a Potential Mechanism Linking High Vagal Tone with Lower PTSD Symptoms among Abused Youth. Journal of Abnormal Child Psychology, 2019, 47, 659-670.	3.5	15
766	Cardiac autonomic activity during simulated shift work. Industrial Health, 2019, 57, 118-132.	0.4	16

#	Article	IF	Citations
767	Vagal Tone as a Putative Mechanism for Pragmatic Competence: An Investigation of Carriers of the FMR1 Premutation. Journal of Autism and Developmental Disorders, 2019, 49, 197-208.	1.7	13
768	Loneliness and Telomere Length: Immune and Parasympathetic Function in Associations With Accelerated Aging. Annals of Behavioral Medicine, 2019, 53, 541-550.	1.7	25
769	Heart Rate Variability and Cognitive Bias Feedback Interventions to Prevent Post-deployment PTSD: Results from a Randomized Controlled Trial. Military Medicine, 2019, 184, e124-e132.	0.4	24
770	Nature Streaming: Contrasting the Effectiveness of Perceived Live and Recorded Videos of Nature for Restoration. Environment and Behavior, 2019, 51, 1082-1105.	2.1	14
771	The influence of power posing on cardiac vagal activity. Acta Psychologica, 2019, 199, 102899.	0.7	7
772	A return to work program improves parasympathetic activity and psychiatric symptoms in workers on sick leave due to depression. Heliyon, 2019, 5, e02151.	1.4	6
773	Reactive Heart Rate Variability and Cardiac Entropy in Children with Internalizing Disorder and Healthy Controls. Applied Psychophysiology Biofeedback, 2019, 44, 309-319.	1.0	2
774	Heart rate variability as a biomarker in health and affective disorders: A perspective on neuroimaging studies. NeuroImage, 2019, 202, 116072.	2.1	82
775	Ventromedial prefrontal cortex connectivity during and after psychological stress in women. Psychophysiology, 2019, 56, e13445.	1.2	17
776	Insula and putamen centered functional connectivity networks reflect healthy agers' subjective experience of cognitive fatigue in multiple tasks. Cortex, 2019, 119, 428-440.	1.1	15
778	The Role of Physiology and Voice in Emotion Perception During Social Stress. Journal of Nonverbal Behavior, 2019, 43, 493-511.	0.6	10
779	Children with facial paralysis due to Moebius syndrome exhibit reduced autonomic modulation during emotion processing. Journal of Neurodevelopmental Disorders, 2019, 11, 12.	1.5	15
780	Measures of CNS-Autonomic Interaction and Responsiveness in Disorder of Consciousness. Frontiers in Neuroscience, 2019, 13, 530.	1.4	26
781	On the design of a humanâ€“robot interaction strategy for commercial vehicle driving based on human cognitive parameters. Advances in Mechanical Engineering, 2019, 11, 168781401986271.	0.8	9
782	Why and How Should We Integrate Biomarkers into Complex Trials? A Discussion on Paradigms and Clinical Research Strategies. Complementary Medicine Research, 2019, 26, 343-352.	0.5	1
783	Interaction of Self-Regulation and Contextual Effects on Pre-attentive Auditory Processing: A Combined EEG/ECG Study. Frontiers in Neuroscience, 2019, 13, 638.	1.4	2
784	A robust algorithm for heart rate variability time series artefact correction using novel beat classification. Journal of Medical Engineering and Technology, 2019, 43, 173-181.	0.8	149
785	Psychophysiological stress response of adolescent chess players during problem-solving tasks. Physiology and Behavior, 2019, 209, 112609.	1.0	26

#	Article	IF	Citations
786	Tuning of brainâ€“autonomic coupling by prior threat exposure: Implications for internalizing problems in Mexican-origin adolescents. Development and Psychopathology, 2019, 31, 1127-1141.	1.4	10
787	Creative challenge: Regular exercising moderates the association between task-related heart rate variability changes and individual differences in originality. PLoS ONE, 2019, 14, e0220205.	1.1	6
788	Psychosocial Factors and the Prognosis of Cancer. , 2019, , 81-102.		0
789	Physiologische Aspekte der Achtsamkeit. FOM-Edition, 2019, , 35-49.	0.1	0
790	Understanding mindâ€“body disciplines: A pilot study of paced breathing and dynamic muscle contraction on autonomic nervous system reactivity. Stress and Health, 2019, 35, 542-548.	1.4	14
791	Neuro-autonomic changes induced by remote ischemic preconditioning (RIPC) in healthy young adults: Implications for stress. Neurobiology of Stress, 2019, 11, 100189.	1.9	13
792	Reality mining and predictive analytics for building smart applications. Journal of Big Data, 2019, 6, .	6.9	27
793	Resting heart rate variability, attention and attention maintenance in young adults. International Journal of Psychophysiology, 2019, 143, 126-131.	0.5	26
794	Altered Causal Coupling Pathways within the Central-Autonomic-Network in Patients Suffering from Schizophrenia. Entropy, 2019, 21, 733.	1.1	12
795	Situational Awareness, Driverâ€™s Trust in Automated Driving Systems and Secondary Task Performance. SAE International Journal of Connected and Automated Vehicles, 0, 2, 129-141.	0.4	42
796	Can hospitalization be hazardous to your health? A nosocomial based stress model for hospitalization. General Hospital Psychiatry, 2019, 60, 83-89.	1.2	30
797	The Association Between Heart Rate Variability and Neurocognitive and Socio-Emotional Development in Nepalese Infants. Frontiers in Neuroscience, 2019, 13, 411.	1.4	3
798	Heart Rate Variability and Cognitive Function: A Systematic Review. Frontiers in Neuroscience, 2019, 13, 710.	1.4	278
799	Ability-Based Emotional Intelligence Is Associated With Greater Cardiac Vagal Control and Reactivity. Frontiers in Human Neuroscience, 2019, 13, 181.	1.0	5
800	Associations of depression severity with heart rate and heart rate variability in young adults across normative and clinical populations. International Journal of Psychophysiology, 2019, 142, 57-65.	0.5	20
801	Circadian Rhythms and Measures of CNS/Autonomic Interaction. International Journal of Environmental Research and Public Health, 2019, 16, 2336.	1.2	43
802	Effects of Different Interventions on Cardiac Regulation Using Fuzzy Entropy. IEEE Access, 2019, 7, 75949-75956.	2.6	3
803	Self-Compassion and Psycho-Physiological Recovery From Recalled Sport Failure. Frontiers in Psychology, 2019, 10, 1564.	1.1	34

#	Article	IF	Citations
804	Speckleplethysmographic (SPG) Estimation of Heart Rate Variability During an Orthostatic Challenge. Scientific Reports, 2019, 9, 14079.	1.6	19
805	Smartphone PPG: signal processing, quality assessment, and impact on HRV parameters. , 2019, 2019, 4237-4240.		14
806	A mind-brain-body dataset of MRI, EEG, cognition, emotion, and peripheral physiology in young and old adults. Scientific Data, 2019, 6, 180308.	2.4	188
807	Sex Differences in the Impact of Racial Discrimination on Mental Health Among Black Americans. Current Psychiatry Reports, 2019, 21, 112.	2.1	30
808	Keeping the pace: The effect of slow-paced breathing on error monitoring. International Journal of Psychophysiology, 2019, 146, 217-224.	0.5	15
809	Physiologic stress among surgeons who take in-house call. American Journal of Surgery, 2019, 218, 1181-1184.	0.9	9
810	The role of anterior and midcingulate cortex in emotional awareness: A domain-general processing perspective. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 166, 89-101.	1.0	12
811	Measuring the Psychobiological Correlates of Daily Experience in Adolescents. Journal of Research on Adolescence, 2019, 29, 595-612.	1.9	6
812	Autonomic adaptations mediate the effect of hydration on brain functioning and mood: Evidence from two randomized controlled trials. Scientific Reports, 2019, 9, 16412.	1.6	15
813	Efficacy of a Neurofeedback Training on Attention and Driving Performance: Physiological and Behavioral Measures. Frontiers in Neuroscience, 2019, 13, 996.	1.4	17
814	Multiscale Entropy of Cardiac and Postural Control Reflects a Flexible Adaptation to a Cognitive Task. Entropy, 2019, 21, 1024.	1.1	16
815	Stress-Activity Mapping: Physiological Responses During General Duty Police Encounters. Frontiers in Psychology, 2019, 10, 2216.	1.1	56
816	Heart Rate Variability reveals the fight between racially biased and politically correct behaviour. Scientific Reports, 2019, 9, 11532.	1.6	4
817	A preliminary investigation of the effect of contact pressure on the accuracy of heart rate monitoring by wearable PPG wrist band. , 2019, , .		4
818	Is There an Optimal Autonomic State for Enhanced Flow and Executive Task Performance?. Frontiers in Psychology, 2019, 10, 1716.	1.1	15
819	A New Integrative Theory of Brain-Body-Ecosystem Medicine: From the Hippocratic Holistic View of Medicine to Our Modern Society. International Journal of Environmental Research and Public Health, 2019, 16, 3136.	1.2	6
820	A psychophysiological investigation of the interplay between orienting and executive control during stimulus conflict: A heart rate variability study. Physiology and Behavior, 2019, 211, 112657.	1.0	14
821	Trusting your heart: Long-term memory for bad and good people is influenced by resting vagal tone. Consciousness and Cognition, 2019, 75, 102810.	0.8	7

#	Article	IF	Citations
822	Transcranial Direct Current Stimulation over the Left Dorsolateral Prefrontal Cortex Improves Inhibitory Control and Endurance Performance in Healthy Individuals. Neuroscience, 2019, 419, 34-45.	1.1	78
823	Association of Social Jetlag With Sleep Quality and Autonomic Cardiac Control During Sleep in Young Healthy Men. Frontiers in Neuroscience, 2019, 13, 950.	1.4	37
824	Parasympathetic effect of deep pressure input on third molar extraction in adolescents. Journal of the Formosan Medical Association, 2019, 118, 1317-1324.	0.8	9
825	Do adjuvant interventions improve treatment outcome in adult patients with posttraumatic stress disorder receiving trauma-focused psychotherapy? A systematic review. HÃ¶gre Utbildning, 2019, 10, 1634938.	1.4	19
826	Resting Cerebral Blood Flow and Ethnic Differences in Heart Rate Variability: Links to Self-Reports of Affect and Affect Regulation. NeuroImage, 2019, 202, 116154.	2.1	12
827	Functional Changes in Brain Activity After Hypnosis: Neurobiological Mechanisms and Application to Patients with a Specific Phobiaâ€"Limitations and Future Directions. International Journal of Clinical and Experimental Hypnosis, 2019, 67, 449-474.	1.1	19
828	Sensing and Changing Human Behavior for Workplace Wellness. Journal of Information Processing, 2019, 27, 614-623.	0.3	4
829	Decrease in Attentional Performance After Repeated Bouts of High Intensity Exercise in Association-Football Referees and Assistant Referees. Frontiers in Psychology, 2019, 10, 2014.	1.1	13
830	The association between individual differences in executive functioning and resting high-frequency heart rate variability. Biological Psychology, 2019, 148, 107772.	1.1	23
831	Heart Rate Variability Biofeedback Based on Slow-Paced Breathing With Immersive Virtual Reality Nature Scenery. Frontiers in Psychology, 2019, 10, 2172.	1.1	80
832	Altered Central Autonomic Network in Baseball Players: A Resting-state fMRI Study. Scientific Reports, 2019, 9, 110.	1.6	12
833	Examining the Relation Between Physiological and Psychological Components of Stress Reactivity and Recovery in Cigarette Smokers. Applied Psychophysiology Biofeedback, 2019, 44, 131-141.	1.0	1
835	Multifractal Correlation Study Between Posture and Autonomic Deregulation Using ECG and Blood Pressure Data. , 2019, , 149-172.		0
836	Does TeamSTEPPS affect psychological status?. International Journal of Health Care Quality Assurance, 2019, 32, 11-20.	0.2	5
837	Reduction in Parasympathetic Tone During Sleep in Children With Habitual Snoring. Frontiers in Neuroscience, 2018, 12, 997.	1.4	11
838	Central modulation of parasympathetic outflow is impaired in de novo Parkinson's disease patients. PLoS ONE, 2019, 14, e0210324.	1.1	22
839	Childrenâ€™s sustained attention to emotional facial expressions and their autonomic nervous system reactivity during parent-child interactions. Biological Psychology, 2019, 142, 37-44.	1.1	6
840	Physiological feelings. Neuroscience and Biobehavioral Reviews, 2019, 103, 267-304.	2.9	121

#	Article	IF	Citations
841	Listening to the heart. Getting closer to the somatic core of affective valuation of exercise through heart rate variability analysis. Psychology of Sport and Exercise, 2019, 45, 101541.	1.1	8
842	Heart Rate Variability and Acute Stress Among Novice Airway Managers. AEM Education and Training, 2019, 3, 291-294.	0.6	5
843	Anti-aging effects of long-term space missions, estimated by heart rate variability. Scientific Reports, 2019, 9, 8995.	1.6	22
845	How Stress and Mental Workload are Connected. , 2019, , .		25
846	The Biology of Stress. , 2019, , 21-39.		1
847	Voluntary upregulation of heart rate variability through biofeedback is improved by mental contemplative training. Scientific Reports, 2019, 9, 7860.	1.6	25
849	Anxiety sensitivity moderates the subjective experience but not the physiological response to psychosocial stress. International Journal of Psychophysiology, 2019, 141, 76-83.	0.5	17
850	Vagally mediated heart rate variability and safety learning: Effects of instructions and number of extinction trials. Psychophysiology, 2019, 56, e13404.	1.2	10
851	Functional Involvement of Human Periaqueductal Gray and Other Midbrain Nuclei in Cognitive Control. Journal of Neuroscience, 2019, 39, 6180-6189.	1.7	23
852	Changes in Heart Rate Variability During Heartfulness Meditation: A Power Spectral Analysis Including the Residual Spectrum. Frontiers in Cardiovascular Medicine, 2019, 6, 62.	1.1	20
853	Influence of Horseback Riding and Horse Simulator Riding on Heart Rate Variability: Are There Differences?. Applied Sciences (Switzerland), 2019, 9, 2194.	1.3	9
854	A Focus on the Functions of Area 25. Brain Sciences, 2019, 9, 129.	1.1	39
856	Brainâ€“Heart Interactions Underlying Traditional Tibetan Buddhist Meditation. Cerebral Cortex, 2020, 30, 439-450.	1.6	19
857	Correlational analysis of heart rate variability band power and respiratory frequency to identify an optimal frequency band. Transactions of the Institute of Measurement and Control, 2019, 41, 4167-4175.	1.1	2
858	The Physiology of Stress. , 2019, , 1-15.		9
859	Psychophysiological Markers of Fear and Anxiety. Current Psychiatry Reports, 2019, 21, 56.	2.1	43
860	Resting heart rate variability is negatively associated with mirror neuron and limbic response to emotional faces. Biological Psychology, 2019, 146, 107717.	1.1	11
861	Changes in flavour, emotion, and electrophysiological measurements when consuming chocolate ice cream in different eating environments. Food Quality and Preference, 2019, 77, 191-205.	2.3	36

#	Article	IF	Citations
862	Cardiac sympathetic innervation network shapes the myocardium by locally controlling cardiomyocyte size through the cellular proteolytic machinery. Journal of Physiology, 2019, 597, 3639-3656.	1.3	37
863	Cardiorespiratory Coupling Analysis Based on Entropy and Cross-Entropy in Distinguishing Different Depression Stages. Frontiers in Physiology, 2019, 10, 359.	1.3	24
864	Adverse childhood experiences predict autonomic indices of emotion dysregulation and negative emotional cue-elicited craving among female opioid-treated chronic pain patients. Development and Psychopathology, 2019, 31, 1101-1110.	1.4	28
865	The mediating role of hippocampal networks on stress regulation in amnestic mild cognitive impairment. Neurobiology of Stress, 2019, 10, 100162.	1.9	9
866	Comparing the Relative Strengths of EEG and Low-Cost Physiological Devices in Modeling Attention Allocation in Semiautonomous Vehicles. Frontiers in Human Neuroscience, 2019, 13, 109.	1.0	10
867	Resting Heart Rate Variability Predicts Vulnerability to Pharmacologically-Induced Ventricular Arrhythmias in Male Rats. Journal of Clinical Medicine, 2019, 8, 655.	1.0	13
868	Validating a Self-Report Measure of Student Athletesâ€™ Perceived Stress Reactivity: Associations With Heart-Rate Variability and Stress Appraisals. Frontiers in Psychology, 2019, 10, 1083.	1.1	12
869	Meditation-Induced States, Vagal Tone, and Breathing Activity Are Related to Changes in Auditory Temporal Integration. Behavioral Sciences (Basel, Switzerland), 2019, 9, 51.	1.0	5
870	Physiological arousal predicts gaze following in infants. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182746.	1.2	18
871	The â€œHeartâ€•of depression during early adolescence. Developmental Psychobiology, 2019, 61, 1168-1179.	0.9	12
872	The Interplay Between Stress, Inflammation, and Emotional Attention: Relevance for Depression. Frontiers in Neuroscience, 2019, 13, 384.	1.4	99
873	Improving neurodevelopment in infants with complex congenital heart disease. Birth Defects Research, 2019, 111, 1128-1140.	0.8	13
874	The moderating effect of heart rate variability on the relationship between alpha asymmetry and depressive symptoms. Heliyon, 2019, 5, e01290.	1.4	8
876	Time-Resolved Directional Brainâ€“Heart Interplay Measurement Through Synthetic Data Generation Models. Annals of Biomedical Engineering, 2019, 47, 1479-1489.	1.3	47
877	Autonomic correlates of lifetime suicidal thoughts and behaviors among adolescents with a history of depression. Psychophysiology, 2019, 56, e13378.	1.2	11
878	The central autonomic network at rest: Uncovering functional MRI correlates of time-varying autonomic outflow. NeuroImage, 2019, 197, 383-390.	2.1	92
879	Distinguishing Shame, Humiliation and Guilt: An Evolutionary Functional Analysis and Compassion Focused Interventions. , 2019, , 413-431.		18
880	Visceral Signals Shape Brain Dynamics and Cognition. Trends in Cognitive Sciences, 2019, 23, 488-509.	4.0	238

#	Article	IF	Citations
881	The association between perseverative cognition and resting heart rate variability: A focus on state ruminative thoughts. Biological Psychology, 2019, 145, 124-133.	1.1	13
882	Health and Diseaseâ€"Emergent States Resulting From Adaptive Social and Biological Network Interactions. Frontiers in Medicine, 2019, 6, 59.	1.2	57
883	The social brain and heart rate variability: Implications for psychotherapy. Psychology and Psychotherapy: Theory, Research and Practice, 2019, 92, 208-223.	1.3	75
884	Putting the flight in â€œfight-or-flightâ€: Testosterone reactivity to skydiving is modulated by autonomic activation. Biological Psychology, 2019, 143, 93-102.	1.1	9
885	How breathing can help you make better decisions: Two studies on the effects of breathing patterns on heart rate variability and decision-making in business cases. International Journal of Psychophysiology, 2019, 139, 1-9.	0.5	24
886	Heart rate increase predicts challenging behavior episodes in preschoolers with autism. Stress, 2019, 22, 303-311.	0.8	28
887	Attention-Deficit/Hyperactivity Disorder (ADHD) and Emotion Regulation Over the Life Span. Current Psychiatry Reports, 2019, 21, 17.	2.1	66
888	The negative effects of social bond disruption are partially ameliorated by sertraline administration in prairie voles. Autonomic Neuroscience: Basic and Clinical, 2019, 219, 5-18.	1.4	7
889	Emotion regulation after acquired brain injury: a study of heart rate variability, attentional control, and psychophysiology. Brain Injury, 2019, 33, 1012-1020.	0.6	13
890	Microbes and the Mind: How Bacteria Shape Affect, Neurological Processes, Cognition, Social Relationships, Development, and Pathology. Perspectives on Psychological Science, 2019, 14, 397-418.	5.2	25
891	How do angry drivers respond to emotional music? A comprehensive perspective on assessing emotion. Journal on Multimodal User Interfaces, 2019, 13, 137-150.	2.0	26
892	Sex-Specific Associations Between Inter-Individual Differences in Heart Rate Variability and Inter-Individual Differences in Emotion Regulation. Frontiers in Neuroscience, 2018, 12, 1040.	1.4	14
893	Functional criticality in the human brain: Physiological, behavioral and neurodevelopmental correlates. PLoS ONE, 2019, 14, e0213690.	1.1	4
894	Resting-State Neural Firing Rate Is Linked to Cardiac-Cycle Duration in the Human Cingulate and Parahippocampal Cortices. Journal of Neuroscience, 2019, 39, 3676-3686.	1.7	25
895	Brain functional connectivity is altered in patients with Takotsubo Syndrome. Scientific Reports, 2019, 9, 4187.	1.6	16
896	Linking Emotional Reactivity Between Laboratory Tasks and Immersive Environments Using Behavior and Physiology. Frontiers in Human Neuroscience, 2019, 13, 54.	1.0	5
897	Emotional Arousal During Social Stress in Young Adults With Autism: Insights From Heart Rate, Heart Rate Variability and Self-Report. Journal of Autism and Developmental Disorders, 2019, 49, 2524-2535.	1.7	29
898	Situational Awareness, Driverâ€™s Trust in Automated Driving Systems and Secondary Task Performance. SSRN Electronic Journal, 0, , .	0.4	21

#	Article	IF	Citations
899	The relationship between heart rate and functional connectivity of brain regions involved in autonomic control. NeuroImage, 2019, 196, 318-328.	2.1	35
900	Mnemonic Discrimination Under Stress and Its Clinical Relevance for Anxiety. Clinical Psychological Science, 2019, 7, 1014-1031.	2.4	7
901	Thalamocortical disconnection affects the somatic marker and social cognition: a case report. Neurocase, 2019, 25, 1-9.	0.2	3
902	A Multilevel Investigation of Resiliency Scales for Children and Adolescents: The Relationships Between Self-Perceived Emotion Regulation, Vagally Mediated Heart Rate Variability, and Personal Factors Associated With Resilience. Frontiers in Psychology, 2019, 10, 438.	1.1	20
903	Longitudinal course of vasomotor symptoms in perimenopausal migraineurs. Annals of Neurology, 2019, 85, 865-874.	2.8	13
904	Stress and stressors of medical student near-peer tutors during courses: a psychophysiological mixed methods study. BMC Medical Education, 2019, 19, 95.	1.0	13
906	Digital biomarkers for Alzheimerâ€™s disease: the mobile/wearable devices opportunity. Npj Digital Medicine, 2019, 2, .	5.7	232
907	Cortical morphometric predictors of autonomic dysfunction in generalized anxiety disorder. Autonomic Neuroscience: Basic and Clinical, 2019, 217, 41-48.	1.4	24
908	Fusion of heart rate variability and salivary cortisol for stress response identification based on adverse childhood experience. Medical and Biological Engineering and Computing, 2019, 57, 1229-1245.	1.6	15
909	Deep neural networks in psychiatry. Molecular Psychiatry, 2019, 24, 1583-1598.	4.1	166
911	Photoplethysmography for Quantitative Assessment of Sympathetic Nerve Activity (SNA) During Cold Stress. Frontiers in Physiology, 2018, 9, 1863.	1.3	23
912	Differences Between High vs. Low Performance Chess Players in Heart Rate Variability During Chess Problems. Frontiers in Psychology, 2019, 10, 409.	1.1	46
913	Monitoring System for Laboratory Mice Transportation: A Novel Concept for the Measurement of Physiological and Environmental Parameters. Electronics (Switzerland), 2019, 8, 34.	1.8	1
914	The Effect of Single-Dose Massage Session on Autonomic Activity, Mood, and Affective Responses in Major Depressive Disorder. Journal of Holistic Nursing, 2019, 37, 312-321.	0.6	3
915	Opportunities and Challenges of Portable Biological, Social, and Behavioral Sensing Systems for the Social Sciences. , 2019, , 197-224.		6
917	Female primary and secondary psychopathic variants show distinct endocrine and psychophysiological profiles. Psychoneuroendocrinology, 2019, 104, 7-17.	1.3	26
918	Parental emotion and pain control behaviour when faced with child's pain: the emotion regulatory role of parental pain-related attention-set shifting and heart rate variability. Pain, 2019, 160, 322-333.	2.0	9
919	Contact-Free Monitoring of Physiological Parameters in People With Profound Intellectual and Multiple Disabilities. , 2019, , .		7

#	Article	IF	Citations
920	Quantification of Different Regulatory Pathways Contributing to Heartbeat Dynamics during Multiple Stimuli: a Proof of the Concept. , 2019, 2019, 4934-4937.		2
921	Circadian Rhythms of the Autonomic Nervous System: Scientific Implication and Practical Implementation. , 0, , .		13
922	Psychophysiological Measures of Reactance to Persuasive Messages Advocating Limited Meat Consumption. Information (Switzerland), 2019, 10, 320.	1.7	10
923	Effect of environmental music on autonomic function in infants in intensive and growing care units. Journal of Neonatal-Perinatal Medicine, 2019, 13, 1-7.	0.4	2
924	Novel CA-CFAR Approach for Improvement of Doppler Sensor-based Heart Rate Variability Estimation. , 2019, 2019, 796-799.		2
925	The role of physiological and subjective measures of emotion regulation in predicting adolescent wellbeing. International Journal of Wellbeing, 2019, 9, 66-89.	1.5	10
926	HEART AUTONOMIC CONTROL DURING STATIC SUBMAXIMAL CONTRACTIONS: INFLUENCE OF TASK FEATURES. Journal of Musculoskeletal Research, 2019, 22, 1950009.	0.1	0
927	Consequence of chronic stress on cardiovascular and ventilatory responses activated by both chemoreflex and baroreflex in rats. Journal of Experimental Biology, 2019, 222, .	0.8	12
928	A Systematic Review and Meta-Analysis of Within-Person Changes in Cardiac Vagal Activity across the Menstrual Cycle: Implications for Female Health and Future Studies. Journal of Clinical Medicine, 2019, 8, 1946.	1.0	51
929	Doseâ€“Response Matters! â€“ A Perspective on the Exercise Prescription in Exerciseâ€“Cognition Research. Frontiers in Psychology, 2019, 10, 2338.	1.1	98
930	Prefrontal Cortex Regulates Chronic Stressâ€‐Induced Cardiovascular Susceptibility. Journal of the American Heart Association, 2019, 8, e014451.	1.6	33
931	Electromagnetic Reflectance Measurements of Human Palms in Sub-THz Frequency Band. , 2019, , .		3
932	Understanding Emotion-Related Processes in Classroom Activities Through Functional Measurements. Frontiers in Psychology, 2019, 10, 2263.	1.1	11
933	Stress and Animal Welfare. Animal Welfare, 2019, , .	1.0	136
934	Anxiety reduction through art therapy in women. Exploring stress regulation and executive functioning as underlying neurocognitive mechanisms. PLoS ONE, 2019, 14, e0225200.	1.1	10
935	The Longitudinal Association of Reduced Vagal Tone With Burnout. Psychosomatic Medicine, 2019, 81, 791-798.	1.3	16
936	Sleep and Parasympathetic Activity During Rest and Stress in Healthy Adolescents and Adolescents With Bipolar Disorder. Psychosomatic Medicine, 2019, 81, 782-790.	1.3	4
937	Alterations in heart-brain interactions under mild stress during a cognitive task are reflected in entropy of heart rate dynamics. Scientific Reports, 2019, 9, 18190.	1.6	27

#	Article	IF	Citations
938	Online ECG-based Features for Cognitive Load Assessment. , 2019, , .		4
939	An Embodied Neurocomputational Framework for Organically Integrating Biopsychosocial Processes: An Application to the Role of Social Support in Health and Disease. Psychosomatic Medicine, 2019, 81, 125-145.	1.3	24
940	An intervention that increases parental sensitivity in families referred to Child Protective Services also changes toddlersâ€™ parasympathetic regulation. Developmental Science, 2019, 22, e12725.	1.3	33
941	Where is the love? A double-blind, randomized study of the effects of intranasal oxytocin on stress regulation and aggression. International Journal of Psychophysiology, 2019, 136, 15-21.	0.5	15
942	â€œLeadership? No, Thanks!â€•A New Construct: Worries About Leadership. European Management Review, 2019, 16, 21-35.	2.2	22
943	Heart rate variability during a cognitive reappraisal task in female patients with borderline personality disorder: the role of comorbid posttraumatic stress disorder and dissociation. Psychological Medicine, 2019, 49, 1810-1821.	2.7	23
944	Specificity of resting-state heart rate variability in psychosis: A comparison with clinical high risk, anxiety, and healthy controls. Schizophrenia Research, 2019, 206, 89-95.	1.1	14
945	Vagal effects of endocrine HPA axis challenges on resting autonomic activity assessed by heart rate variability measures in healthy humans. Psychoneuroendocrinology, 2019, 102, 196-203.	1.3	38
946	Stress reactivity in healthy child offspring of parents with anxiety disorders. Psychiatry Research, 2019, 272, 756-764.	1.7	6
947	Heart rate variability and emotion regulation among individuals with obesity and loss of control eating. Physiology and Behavior, 2019, 199, 73-78.	1.0	31
948	Effects of technology-mediated mindfulness practice on stress: psychophysiological and self-report measures. Stress, 2019, 22, 200-209.	0.8	45
949	Human Work and Status Evaluation Based on Wearable Sensors in Human Factors and Ergonomics: A Review. IEEE Transactions on Human-Machine Systems, 2019, 49, 72-84.	2.5	34
950	Biosocial Risk Factors for Academic Dishonesty: Testing a New Mediation Model in Young Adults. Journal of Contemporary Criminal Justice, 2019, 35, 21-35.	0.7	5
951	Cerebral blood flow modulations during antisaccade preparation in chronic hypotension. Psychophysiology, 2019, 56, e13305.	1.2	5
952	Functional neuroimaging of the central autonomic network: recent developments and clinical implications. Clinical Autonomic Research, 2019, 29, 555-566.	1.4	89
953	Active information sampling varies across the cardiac cycle. Psychophysiology, 2019, 56, e13322.	1.2	37
954	Discarding personal possessions increases psychophysiological activation in patients with hoarding disorder. Psychiatry Research, 2019, 272, 499-506.	1.7	7
956	Cardiorespiratory and autonomic-nervous-system functioning of drug abusers treated by Zen meditation. Journal of Traditional and Complementary Medicine, 2019, 9, 215-220.	1.5	7

#	Article	IF	Citations
957	Heart rate variability as a biomarker of anxious depression response to antidepressant medication. Depression and Anxiety, 2019, 36, 63-71.	2.0	48
958	A multicomponent approach toward understanding emotion regulation in schizophrenia. Journal of Clinical Psychology, 2019, 75, 178-189.	1.0	12
959	Violence and aggression in young women: The importance of psychopathy and neurobiological function. Physiology and Behavior, 2019, 201, 130-138.	1.0	27
960	Body mass index and parasympathetic nervous system reactivity and recovery following graded exercise. American Journal of Human Biology, 2019, 31, e23208.	0.8	4
961	Heart rate variability in alcohol use: A review. Pharmacology Biochemistry and Behavior, 2019, 176, 83-92.	1.3	49
962	Clinical utility of heart rate variability during Head-up tilt test in subjects with chronic posttraumatic stress disorder. Psychiatry Research, 2019, 272, 100-105.	1.7	2
963	The age-dependent relationship between resting heart rate variability and functional brain connectivity. NeuroImage, 2019, 185, 521-533.	2.1	45
965	Non-medical prescription opioid users exhibit dysfunctional physiological stress responses to social rejection. Psychoneuroendocrinology, 2019, 100, 264-275.	1.3	14
966	The effects of childrenâ€™s proximityâ€seeking to maternal attachment figures during mild stress exposure on mood and physiological responses: An experimental study. Social Development, 2019, 28, 364-382.	0.8	5
967	Heart intelligence: heuristic phenomenological investigation into the coherence experience using HeartMath methods. AI and Society, 2019, 34, 677-685.	3.1	2
968	Stereotype threat, trait perseveration, and vagal activity: evidence for mechanisms underpinning health disparities inÂBlack Americans. Ethnicity and Health, 2019, 24, 909-926.	1.5	12
969	Resting autonomic nervous system activity is unrelated to antisocial behaviour dimensions in adolescents: Cross-sectional findings from a European multi-centre study. Journal of Criminal Justice, 2019, 65, 101536.	1.5	14
970	Physiological self-regulation and mindfulness in children with a diagnosis of fetal alcohol spectrum disorder. Developmental Neurorehabilitation, 2019, 22, 228-233.	0.5	9
971	Drowsiness measures for commercial motor vehicle operations. Accident Analysis and Prevention, 2019, 126, 146-159.	3.0	32
972	Spectatorsâ€™ emotional responses in tweets during the Super Bowl 50 game. Sport Management Review, 2019, 22, 348-362.	1.9	22
973	The Acute Effects of Aerobic Exercise on Cognitive Flexibility and Task-Related Heart Rate Variability in Children With ADHD and Healthy Controls. Journal of Attention Disorders, 2020, 24, 693-703.	1.5	39
974	Resting high-frequency heart rate variability moderates the association between early-life adversity and body adiposity. Journal of Health Psychology, 2020, 25, 953-963.	1.3	3
975	Brain-behavioral adaptability predicts response to cognitive behavioral therapy for emotional disorders: A person-centered event-related potential study. Neuropsychologia, 2020, 145, 106408.	0.7	7

#	Article	IF	Citations
976	Optimizing Intersession Reliability of Heart Rate Variabilityâ€"The Effects of Artifact Correction and Breathing Type. Journal of Strength and Conditioning Research, 2020, 34, 3199-3207.	1.0	16
977	Prenatal developmental origins of behavior and mental health: The influence of maternal stress in pregnancy. Neuroscience and Biobehavioral Reviews, 2020, 117, 26-64.	2.9	681
979	Cognitive, physical, and psychological benefits of yoga for acquired brain injuries: A systematic review of recent findings. Neuropsychological Rehabilitation, 2020, 30, 1388-1407.	1.0	12
980	A common neural substrate for elevated PTSD symptoms and reduced pulse rate variability in combatâ€exposed veterans. Psychophysiology, 2020, 57, e13352.	1.2	10
981	Effects of prefrontal transcranial direct current stimulation on autonomic and neuroendocrine responses to psychosocial stress in healthy humans. Stress, 2020, 23, 26-36.	0.8	37
982	Response Complexity Reduces Errors on a Response Inhibition Task. Human Factors, 2020, 62, 787-799.	2.1	10
983	Sex differences in heart rate responses to occupational stress. Stress, 2020, 23, 13-18.	0.8	11
984	Effects of guided mindfulness meditation on anxiety and stress in a pre-healthcare college student population: a pilot study. Journal of American College Health, 2020, 68, 666-672.	0.8	16
985	Impaired frontostriatal functional connectivity among chronic opioid using pain patients is associated with dysregulated affect. Addiction Biology, 2020, 25, e12743.	1.4	17
986	The relationship between sleep and autonomic health. Journal of American College Health, 2020, 68, 550-556.	0.8	9
987	Wearing your heart on your screen: Investigating congruency-effects in autonomic responses and their role in interoceptive processing during biofeedback. Cognition, 2020, 194, 104053.	1.1	5
988	Acute stress impairs children's sustained attention with increased vulnerability for children of mothers reporting higher parenting stress. Developmental Psychobiology, 2020, 62, 532-543.	0.9	6
989	Humans interacting with multi-robot systems: a natural affect-based approach. Autonomous Robots, 2020, 44, 601-616.	3.2	10
990	Distinguishing pain from nociception, salience, and arousal: How autonomic nervous system activity can improve neuroimaging tests of specificity. NeuroImage, 2020, 204, 116254.	2.1	28
991	A frontal-vagal network theory for Major Depressive Disorder: Implications for optimizing neuromodulation techniques. Brain Stimulation, 2020, 13, 1-9.	0.7	70
992	The short-term association between exposure to noise and heart rate variability in daily locations and mobility contexts. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 383-393.	1.8	17
993	The Role of Heart Rate Variability in Mindfulness-Based Pain Relief. Journal of Pain, 2020, 21, 306-323.	0.7	47
994	Resting Cardiac Vagal Tone is Associated with Long-Term Frustration Level of Mental Workload: Ultra-short Term Recording Reliability. Applied Psychophysiology Biofeedback, 2020, 45, 1-9.	1.0	11

#	Article	IF	Citations
995	Heart rate variability mediates motivation and fatigue throughout a high-intensity exercise program. Applied Physiology, Nutrition and Metabolism, 2020, 45, 193-202.	0.9	7
996	Maladaptive neurovisceral interactions in patients with Internet gaming disorder: A study of heart rate variability and functional neural connectivity using the graph theory approach. Addiction Biology, 2020, 25, e12805.	1.4	14
997	Neighborhood crime risk and resting respiratory sinus arrhythmia in middle childhood: Evidence of gender differences. Developmental Psychobiology, 2020, 62, 232-239.	0.9	2
998	Callous-unemotional traits and fearlessness: A cardiovascular psychophysiological perspective in two adolescent samples using virtual reality. Development and Psychopathology, 2020, 32, 803-815.	1.4	15
999	Mental health, stress, and resilience correlates of heart rate variability among military reservists, guardsmen, and first responders. Physiology and Behavior, 2020, 214, 112734.	1.0	16
1000	Is Utena's Brief Objective Measures (UBOM) useful in realâ€world behavioral assessment of functioning? Validity and utility testing in patients with schizophrenia. Psychiatry and Clinical Neurosciences, 2020, 74, 40-48.	1.0	2
1001	Shyness, aggression, and empathy in children of shy mothers: Moderating influence of children's psychophysiological selfâ€regulation. Developmental Psychobiology, 2020, 62, 324-338.	0.9	7
1002	Heart rate variability: Can it serve as a marker of mental health resilience?. Journal of Affective Disorders, 2020, 263, 754-761.	2.0	71
1003	Commentary: About the logical, theoretical, and physiological differences between pre-task and post-task measurements of cardiac vagal activity. Physiology and Behavior, 2020, 218, 112685.	1.0	0
1004	Cortisol response to stress: The role of expectancy and anticipatory stress regulation. Hormones and Behavior, 2020, 117, 104587.	1.0	60
1005	Theta-burst stimulation and frontotemporal regulation of cardiovascular autonomic outputs: The role of state anxiety. International Journal of Psychophysiology, 2020, 149, 25-34.	0.5	11
1006	Too much of a good thing? Curvilinear relationships between self-calming and autonomic responses in paediatric patients. Medical Hypotheses, 2020, 137, 109536.	0.8	2
1007	Training Adaptive Emotion Regulation Skills in Early Adolescents: The Effects of Distraction, Acceptance, Cognitive Reappraisal, and Problem Solving. Cognitive Therapy and Research, 2020, 44, 678-696.	1.2	23
1008	The relationship of trauma exposure to heart rate variability during wake and sleep in midlife women. Psychophysiology, 2020, 57, e13514.	1.2	11
1009	Dispositional mindfulness is associated with heart rate reactivity and recovery in response to a lab stressor. Stress and Health, 2020, 36, 3-10.	1.4	5
1010	Acute psychological stress promotes general alertness and attentional control processes: An ERP study. Psychophysiology, 2020, 57, e13521.	1.2	34
1011	Heart rate variability (HRV): From brain death to resonance breathing at 6 breaths per minute. Clinical Neurophysiology, 2020, 131, 676-693.	0.7	76
1012	Beliefs About Emotions, Negative Meta-emotions, and Perceived Emotional Control During an Emotionally Salient Situation in Individuals with Emotional Disorders. Cognitive Therapy and Research, 2020, 44, 287-299.	1.2	10

#	Article	IF	Citations
1013	Relationship between sexual attractiveness and heart rate variability in heterosexual men observing photos and self-introduction movies of women. Artificial Life and Robotics, 2020, 25, 116-123.	0.7	2
1014	Dimensions of adversity in association with adolescentsâ€™ depression symptoms: Distinct moderating roles of cognitive and autonomic function. Development and Psychopathology, 2020, 32, 817-830.	1.4	15
1015	Selective reward responses to violent success events during video games. Brain Structure and Function, 2020, 225, 57-69.	1.2	3
1016	Can't get it off my brain: Meta-analysis of neuroimaging studies on perseverative cognition. Psychiatry Research - Neuroimaging, 2020, 295, 111020.	0.9	47
1017	Acclimation to a thermoneutral environment abolishes age-associated alterations in heart rate and heart rate variability in conscious, unrestrained mice. GeroScience, 2020, 42, 217-232.	2.1	19
1018	Nurturing Family Environments for Children: Compassion-Focused Parenting as a Form of Parenting Intervention. Education Sciences, 2020, 10, 3.	1.4	21
1019	Stronger Correlations between Neurophysiological and Peripheral Disease Biomarkers Predict Better Prognosis in Two Severe Diseases. Journal of Clinical Medicine, 2020, 9, 26.	1.0	5
1020	The phobic applying for a job: Differential efficacy of reappraising or faking on subjective states, physiological reactions and performance. Personality and Individual Differences, 2020, 167, 110243.	1.6	0
1021	Weekly vagal modulations and their associations with physical fitness and physical activity. European Journal of Sport Science, 2021, 21, 1326-1336.	1.4	10
1022	Neural and physiological relations observed in musical beat and meter processing. Brain and Behavior, 2020, 10, e01836.	1.0	1
1023	Getting to the heart of childhood empathy: Relations with shyness and respiratory sinus arrhythmia. Developmental Psychobiology, 2021, 63, e22035.	0.9	9
1024	Heart Rate Variability in the Perinatal Period: A Critical and Conceptual Review. Frontiers in Neuroscience, 2020, 14, 561186.	1.4	58
1025	Neural Processing and Perceived Discrimination Stress in African Americans. Nursing Research, 2020, 69, 331-338.	0.8	9
1026	Cortical thickness and restingâ€state cardiac function across the lifespan: A crossâ€sectional pooled megaâ€analysis. Psychophysiology, 2021, 58, e13688.	1.2	33
1027	Vagal Flexibility Mediates the Association Between Resting Vagal Activity and Cognitive Performance Stability Across Varying Socioemotional Demands. Frontiers in Psychology, 2020, 11, 2093.	1.1	7
1028	Neuroscience of embodied reflection: somatic/mindbody/contemplative practices, health, and transformative learning. Reflective Practice, 2020, 21, 803-818.	0.7	3
1029	Heart Rate Variability Moderates the Association Between Beliefs About Worry and Generalized Anxiety Disorder Symptoms. Frontiers in Neuroscience, 2020, 14, 569359.	1.4	5
1030	Exploring the Effects of Osteopathic Manipulative Treatment on Autonomic Function Through the Lens of Heart Rate Variability. Frontiers in Neuroscience, 2020, 14, 579365.	1.4	12

#	Article	IF	Citations
1031	One season of head-to-ball impact exposure alters functional connectivity in a central autonomic network. NeuroImage, 2020, 223, 117306.	2.1	11
1033	Neither Cathodal nor Anodal Transcranial Direct Current Stimulation on the Left Dorsolateral Prefrontal Cortex alone or Applied During Moderate Aerobic Exercise Modulates Executive Function. Neuroscience, 2020, 443, 71-83.	1.1	7
1034	Reflecting on rumination: Consequences, causes, mechanisms and treatment of rumination. Behaviour Research and Therapy, 2020, 127, 103573.	1.6	300
1035	Sensors for Continuous Monitoring of Surgeonâ€™s Cognitive Workload in the Cardiac Operating Room. Sensors, 2020, 20, 6616.	2.1	9
1036	Complexity of heart rate variability during moral judgement of actions and omissions. Heliyon, 2020, 6, e05394.	1.4	1
1037	In vivo biomarkers of structural and functional brain development and aging in humans. Neuroscience and Biobehavioral Reviews, 2020, 117, 142-164.	2.9	19
1038	From Stress to Depression: Bringing Together Cognitive and Biological Science. Current Directions in Psychological Science, 2020, 29, 592-598.	2.8	27
1039	Psychophysiology of Meditation. , 0, , .		0
1040	HRV in an Integrated Hardware/Software System Using Artificial Intelligence to Provide Assessment, Intervention and Performance Optimization. , 2020, , .		2
1041	Heart Rate Variability Mainly Relates to Cognitive Executive Functions and Improves Through Exergame Training in Older Adults: A Secondary Analysis of a 6-Month Randomized Controlled Trial. Frontiers in Aging Neuroscience, 2020, 12, 197.	1.7	18
1042	Improvements in well-being and cardiac metrics of stress following a yogic breathing workshop: Randomized controlled trial with active comparison. Journal of American College Health, 2022, 70, 918-928.	0.8	20
1043	Regional Hurst Exponent Reflects Impulsivity-Related Alterations in Fronto-Hippocampal Pathways Within the Waiting Impulsivity Network. Frontiers in Physiology, 2020, 11, 827.	1.3	1
1044	Antisocial Behavior: the Impact of Psychopathic Traits, Heart Rate Variability, and Gender. Journal of Psychopathology and Behavioral Assessment, 2020, 42, 637-646.	0.7	3
1045	Leveraging parasympathetic nervous system activity to study risk for psychopathology: The special case of callous-unemotional traits. Neuroscience and Biobehavioral Reviews, 2020, 118, 175-185.	2.9	18
1046	Linking psychophysiological adaptation, emotion regulation, and subjective stress to the occurrence of paranoia in daily life. Journal of Psychiatric Research, 2020, 130, 152-159.	1.5	8
1047	Effects of Types of Horticultural Activity on the Physical and Mental State of Elderly Individuals. International Journal of Environmental Research and Public Health, 2020, 17, 5225.	1.2	15
1048	Evening chronotype, alcohol use disorder severity, and emotion regulation in college students. Chronobiology International, 2020, 37, 1725-1735.	0.9	16
1049	Automatic associations and the affective valuation of exercise: disentangling the type-1 process of the affectiveâ€“reflective theory of physical inactivity and exercise. German Journal of Exercise and Sport Research, 2020, 50, 366-376.	1.0	3

#	Article	IF	Citations
1050	Affect in the Aging Brain: A Neuroimaging Meta-Analysis of Older Vs. Younger Adult Affective Experience and Perception. Affective Science, 2020, 1, 128-154.	1.5	12
1051	Vitamin D Supplementation during Winter: Effects on Stress Resilience in a Randomized Control Trial. Nutrients, 2020, 12, 3258.	1.7	4
1052	Testing the neurocognitive framework for regulation expectation: The relationship between actual/ideal self-esteem and proactive/reactive autonomic stress regulation. Journal of Behavior Therapy and Experimental Psychiatry, 2020, 69, 101598.	0.6	3
1053	Stress system reactivity moderates the association between cumulative risk and children's externalizing symptoms. International Journal of Psychophysiology, 2020, 158, 248-258.	0.5	3
1054	A Practical Guide to Resonance Frequency Assessment for Heart Rate Variability Biofeedback. Frontiers in Neuroscience, 2020, 14, 570400.	1.4	49
1055	Respiratory sinus arrhythmia biofeedback alters heart rate variability and default mode network connectivity in major depressive disorder: A preliminary study. International Journal of Psychophysiology, 2020, 158, 225-237.	0.5	12
1056	Not All Competitions Come to Harm! Competitive Biofeedback to Increase Respiratory Sinus Arrhythmia in Managers. Frontiers in Neuroscience, 2020, 14, 855.	1.4	1
1057	Stress and Tinnitus; Transcutaneous Auricular Vagal Nerve Stimulation Attenuates Tinnitus-Triggered Stress Reaction. Frontiers in Psychology, 2020, 11, 570196.	1.1	13
1058	Heartâ€“brain interactions during social and cognitive stress in hypertensive disease: A multidimensional approach. European Journal of Neuroscience, 2022, 55, 2836-2850.	1.2	8
1059	Long-Term Blood Pressure Variability Across the Clinical and Biomarker Spectrum of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2020, 77, 1655-1669.	1.2	23
1060	Productivity-Safety Model: Debunking the Myth of the Productivity-Safety Divide through a Mixed-Reality Residential Roofing Task. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	15
1061	Neural correlates of fluctuations in the intermediate band for heart rate and respiration are related to interoceptive perception. Psychophysiology, 2020, 57, e13594.	1.2	21
1062	A Single Session of Heart Rate Variability Biofeedback Produced Greater Increases in Heart Rate Variability Than Autogenic Training. Applied Psychophysiology Biofeedback, 2020, 45, 343-350.	1.0	18
1063	Multiâ€method assessment of palatable food exposure in women with and without eating disorders. European Eating Disorders Review, 2020, 28, 594-602.	2.3	4
1064	Affective agnosia: a core affective processing deficit in the alexithymia spectrum. BioPsychoSocial Medicine, 2020, 14, .	0.9	9
1065	Bio-Behavioral Indices of Emotion Regulation: Potential Targets for Treatment in Addiction. Current Addiction Reports, 2020, 7, 333-343.	1.6	2
1066	The effects of varying doses of caffeine on cardiac parasympathetic reactivation following an acute bout of anaerobic exercise in recreational athletes. Journal of the International Society of Sports Nutrition, 2020, 17, 44.	1.7	14
1067	Heart rate variability in patients with dementia or neurocognitive disorders: A systematic review and meta-analysis. Australian and New Zealand Journal of Psychiatry, 2022, 56, 16-27.	1.3	30

#	Article	IF	Citations
1068	Reduced vagal modulations of heart rate during overwintering in Antarctica. Scientific Reports, 2020, 10, 21810.	1.6	2
1069	Evaluating heart rate variability as a predictor of the influence of lying on memory. Memory, 2022, 30, 785-795.	0.9	5
1070	Untact Abnormal Heartbeat Wave Detection Using Non-Contact Sensor through Transfer Learning. IEEE Access, 2020, 8, 217791-217799.	2.6	1
1071	Early life stress and development: potential mechanisms for adverse outcomes. Journal of Neurodevelopmental Disorders, 2020, 12, 34.	1.5	146
1072	Deep Relaxation Experience with Complementary Urban Zen Integrative Therapy: Qualitative Thematic Analysis. Western Journal of Nursing Research, 2020, 43, 019394592097394.	0.6	1
1073	Interpretation of Heart Rate Variability: The Art of Looking Through a Keyhole. Frontiers in Neuroscience, 2020, 14, 609570.	1.4	8
1074	A Review on Research and Evaluation Methods for Investigating Self-Transcendence. Frontiers in Psychology, 2020, 11, 547687.	1.1	28
1075	Error Estimation of Ultra-Short Heart Rate Variability Parameters: Effect of Missing Data Caused by Motion Artifacts. Sensors, 2020, 20, 7122.	2.1	8
1076	Probing Neurovisceral Integration via Functional Near-Infrared Spectroscopy and Heart Rate Variability. Frontiers in Neuroscience, 2020, 14, 575589.	1.4	6
1077	Locomotion in virtual environments predicts cardiovascular responsiveness to subsequent stressful challenges. Nature Communications, 2020, 11, 5904.	5.8	17
1078	Making Wearable Technology Available for Mental Healthcare through an Online Platform with Stress Detection Algorithms: The Carewear Project. Journal of Sensors, 2020, 2020, 1-15.	0.6	12
1079	Impact of Altered Breathing Patterns on Interaction of EEG and Heart Rate Variability. Annals of Neurosciences, 2020, 27, 67-74.	0.9	10
1080	Brain Structures Associated With Individual Differences in Somatic Symptoms and Emotional Distress in a Healthy Sample. Frontiers in Human Neuroscience, 2020, 14, 492990.	1.0	7
1081	Compassion: From Its Evolution to a Psychotherapy. Frontiers in Psychology, 2020, 11, 586161.	1.1	137
1082	Sleep restriction alters physiological and emotional responses to emotion induction. Experimental Physiology, 2020, 105, 2207-2215.	0.9	3
1083	Calming Effects of Touch in Human, Animal, and Robotic Interactionâ€"Scientific State-of-the-Art and Technical Advances. Frontiers in Psychiatry, 2020, 11, 555058.	1.3	43
1084	The Test-Retest Reliability of Heart Rate Variability and Its Association With Personality Functioning. Frontiers in Psychiatry, 2020, 11, 558145.	1.3	8
1085	Towards Player Health Analytics in Overwatch. , 2020, , .		2

#	Article	IF	Citations
1086	Neurovisceral integration in the executive control network: A resting state analysis. Biological Psychology, 2020, 157, 107986.	1.1	10
1087	Sex Differences in Stress Reactivity to the Trier Social Stress Test in Virtual Reality . Psychology Research and Behavior Management, 2020, Volume 13, 859-869.	1.3	13
1088	Reduced heart rate variability is associated with vulnerability to depression. Journal of Affective Disorders Reports, 2020, 1, 100006.	0.9	19
1089	Brain and Physiological Markers of Autonomic Function Are Associated With Treatment-Related Improvements in Self-Reported Autonomic Dysfunction in Veterans With Gulf War Illness: An Exploratory Pilot Study. Global Advances in Health and Medicine, 2020, 9, 216495612092281.	0.7	7
1090	Heart Rate Variability Biofeedback Improves Emotional and Physical Health and Performance: A Systematic Review and Meta Analysis. Applied Psychophysiology Biofeedback, 2020, 45, 109-129.	1.0	199
1091	Associations Between Teachersâ€™ Autonomic Dysfunction and Voice Complaints. Journal of Voice, 2021, 35, 843-851.	0.6	1
1092	Memory Retrieval-Extinction Combined With Virtual Reality Reducing Drug Craving for Methamphetamine: Study Protocol for a Randomized Controlled Trial. Frontiers in Psychiatry, 2020, 11, 322.	1.3	15
1093	Heart rate variability and pre-competitive anxiety according to the demanding level of the match in female soccer athletes. Physiology and Behavior, 2020, 222, 112926.	1.0	24
1094	Action versus state orientation moderates the relation between executive function task performance and resting heart rate variability. Journal of Research in Personality, 2020, 86, 103936.	0.9	2
1095	Inflexible autonomic responses to sadness predict habitual and real-world rumination: A multi-level, multi-wave study. Biological Psychology, 2020, 153, 107886.	1.1	5
1096	The link between resting heart rate variability and affective flexibility. Cognitive, Affective and Behavioral Neuroscience, 2020, 20, 746-756.	1.0	29
1097	The effect of HF-rTMS over the left DLPFC on stress regulation as measured by cortisol and heart rate variability. Hormones and Behavior, 2020, 124, 104803.	1.0	24
1098	Higher Activation of the Rostromedial Prefrontal Cortex During Mental Stress Predicts Major Cardiovascular Disease Events in Individuals With Coronary Artery Disease. Circulation, 2020, 142, 455-465.	1.6	21
1099	Autonomic Activity during a Daytime Nap Facilitates Working Memory Improvement. Journal of Cognitive Neuroscience, 2020, 32, 1963-1974.	1.1	14
1100	The compassionate vagus: A meta-analysis on the connection between compassion and heart rate variability. Neuroscience and Biobehavioral Reviews, 2020, 116, 21-30.	2.9	77
1101	Autonomic flexibility reflects learning and associated neuroplasticity in old age. Human Brain Mapping, 2020, 41, 3608-3619.	1.9	13
1102	Early posttraumatic autonomic and endocrine markers to predict posttraumatic stress symptoms after a preventive intervention with oxytocin. HÃ¶gre Utbildning, 2020, 11, 1761622.	1.4	5
1103	Virtual Reality: a Tool for Preservice Science Teachers to Put Theory into Practice. Journal of Science Education and Technology, 2020, 29, 573-585.	2.4	23

#	Article	IF	Citations
1104	Resting heart rate variability as a possible marker of cognitive decline. Kinesiology, 2020, 52, 72-84.	0.3	15
1105	Reliability of short-term measurements of heart rate variability: Findings from a longitudinal study. Biological Psychology, 2020, 154, 107905.	1.1	21
1106	Multilevel Longitudinal Analysis of Shooting Performance as a Function of Stress and Cardiovascular Responses. IEEE Transactions on Affective Computing, 2021, 12, 648-665.	5.7	6
1107	Lay theory of generalized prejudice moderates cardiovascular stress responses to racism for White women. Group Processes and Intergroup Relations, 2021, 24, 998-1015.	2.4	11
1108	New Directions in Exercise Prescription: Is There a Role for Brain-Derived Parameters Obtained by Functional Near-Infrared Spectroscopy?. Brain Sciences, 2020, 10, 342.	1.1	20
1109	Transcutaneous Vagus Nerve Stimulation May Enhance Only Specific Aspects of the Core Executive Functions. A Randomized Crossover Trial. Frontiers in Neuroscience, 2020, 14, 523.	1.4	34
1110	Comparative Effects of High-Intensity Interval Training vs Moderate-Intensity Continuous Training in Phase III of a Tennis-Based Cardiac Rehabilitation Program: A Pilot Randomized Controlled Trial. Sustainability, 2020, 12, 4134.	1.6	5
1111	Uncovering complex central autonomic networks at rest: a functional magnetic resonance imaging study on complex cardiovascular oscillations. Journal of the Royal Society Interface, 2020, 17, 20190878.	1.5	42
1113	Quantifying the Autonomic Response to Stressorsâ€"One Way to Expand the Definition of â€œStressâ€•in Animals. Integrative and Comparative Biology, 2020, 60, 113-125.	0.9	10
1114	Neurovisceral regulatory circuits of affective resilience in youth. Psychophysiology, 2020, 57, e13568.	1.2	36
1115	Adapted physical activity and cardiac coherence in hematologic patients (APACCHE): study protocol for a randomized controlled trial. BMC Sports Science, Medicine and Rehabilitation, 2020, 12, 18.	0.7	1
1116	Association of Heart Rate Variability With Cognitive Performance: The Multiâ€Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2020, 9, e013827.	1.6	29
1117	The Evolution of Pro-social Behavior. , 2020, , 419-435.		2
1118	Monitoring Stressâ€"Recovery Balance with Heart Rate Variability and Perceptual Load Markers During a Competitive Micro-cycle in Elite Ski Mountaineers. Journal of Science in Sport and Exercise, 2020, 2, 132-144.	0.4	3
1119	Impact of sex and depressed mood on the central regulation of cardiac autonomic function. Neuropsychopharmacology, 2020, 45, 1280-1288.	2.8	9
1120	Menstrual Cycle Changes in Vagally-Mediated Heart Rate Variability Are Associated with Progesterone: Evidence from Two Within-Person Studies. Journal of Clinical Medicine, 2020, 9, 617.	1.0	26
1121	Psychological stress of bicycling with traffic: examining heart rate variability of bicyclists in natural urban environments. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 70, 81-97.	1.8	30
1122	Depression restricts visual capture and promotes the perception of negative information. Biological Psychology, 2020, 154, 107923.	1.1	7

#	Article	IF	Citations
1123	Effect of Mental Fatigue on Postural Sway in Healthy Older Adults and Stroke Populations. Brain Sciences, 2020, 10, 388.	1.1	19
1124	Heart Rate Variability as an Index of Differential Brain Dynamics at Rest and After Acute Stress Induction. Frontiers in Neuroscience, 2020, 14, 645.	1.4	23
1125	Heart Rate Variability for the Prediction of Treatment Response in Major Depressive Disorder. Frontiers in Psychiatry, 2020, 11, 607.	1.3	10
1126	Inverse associations between parasympathetic activity and cognitive flexibility in African Americans: Preliminary findings. International Journal of Psychophysiology, 2020, 155, 204-209.	0.5	1
1127	Snacking on Whole Almonds for Six Weeks Increases Heart Rate Variability during Mental Stress in Healthy Adults: A Randomized Controlled Trial. Nutrients, 2020, 12, 1828.	1.7	7
1128	Adiposity and physical activity are related to heart rate variability: the Africanâ€PREDICT study. European Journal of Clinical Investigation, 2020, 50, e13330.	1.7	8
1129	Inertia of emotions and inertia of the heart: Physiological processes underlying inertia of negative emotions at work. International Journal of Psychophysiology, 2020, 155, 210-218.	0.5	15
1130	Parasympathetic and sympathetic nervous systems interactively predict change in cognitive functioning in midlife adults. Psychophysiology, 2020, 57, e13622.	1.2	15
1131	Risk Taking by Adolescents with Attention-Deficit/Hyperactivity Disorder (ADHD): a Behavioral and Psychophysiological Investigation of Peer Influence. Journal of Abnormal Child Psychology, 2020, 48, 1129-1141.	3.5	17
1132	Baclofen modulates cardiovascular responses to appetitive cues in treatmentâ€seeking alcohol use disorder individuals. Human Psychopharmacology, 2020, 35, e2722.	0.7	7
1133	Machine Learning Ranks ECG as an Optimal Wearable Biosignal for Assessing Driving Stress. IEEE Access, 2020, 8, 34362-34374.	2.6	34
1134	Effects of cognitive load during interpretation bias modification on interpretation bias and stress reactivity. Journal of Behavior Therapy and Experimental Psychiatry, 2020, 68, 101561.	0.6	11
1135	The effect of eurhythmy therapy on self-determination, health complaints and psychological symptoms: A non-randomised trial. Complementary Therapies in Medicine, 2020, 49, 102347.	1.3	0
1136	The utility of combining respiratory sinus arrhythmia indices in association with internet addiction. International Journal of Psychophysiology, 2020, 151, 35-39.	0.5	6
1137	Can Slow Deep Breathing Reduce Pain? An Experimental Study Exploring Mechanisms. Journal of Pain, 2020, 21, 1018-1030.	0.7	23
1138	Multilevel Interactions of Stress and Circadian System: Implications for Traumatic Stress. Frontiers in Psychiatry, 2019, 10, 1003.	1.3	47
1139	Intolerance of uncertainty and addiction. , 2020, , 205-220.		3
1140	Power spectrum analysis of heart rate variability during internally and externally operative attention. , 2020, , 43-49.		0

#	Article	IF	Citations
1141	Toward a social psychophysiology of vagally mediated heart rate variability: Concepts and methods in selfâ€regulation, emotion, and interpersonal processes. Social and Personality Psychology Compass, 2020, 14, e12516.	2.0	42
1142	Psychiatric Illnesses as Disorders of Network Dynamics. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 6, 865-876.	1.1	27
1143	Autonomic influences on heart rate during marital conflict: Associations with high frequency heart rate variability and cardiac pre-ejection period. Biological Psychology, 2020, 151, 107847.	1.1	9
1144	Association between Micronutrients and Heart Rate Variability: A Review of Human Studies. Advances in Nutrition, 2020, 11, 559-575.	2.9	11
1145	The neuroscience of sadness: A multidisciplinary synthesis and collaborative review. Neuroscience and Biobehavioral Reviews, 2020, 111, 199-228.	2.9	46
1146	Parkinson patients without tremor show changed patterns of mechanical muscle oscillations during a specific bilateral motor task compared to controls. Scientific Reports, 2020, 10, 1168.	1.6	9
1147	The Utility of Heart Rate Variability in Mindfulness Research. Mindfulness, 2020, 11, 554-570.	1.6	27
1148	A real-time physiological signal acquisition and analyzing method based on fractional calculus and stream computing. Soft Computing, 2021, 25, 13933-13939.	2.1	4
1149	Cardiac vagal control mediates the relation between past depression and blood pressure several years later among young adults. Psychophysiology, 2020, 57, e13535.	1.2	4
1150	Emotion Classification Based on Biophysical Signals and Machine Learning Techniques. Symmetry, 2020, 12, 21.	1.1	51
1151	Linking Pain Sensation to the Autonomic Nervous System: The Role of the Anterior Cingulate and Periaqueductal Gray Resting-State Networks. Frontiers in Neuroscience, 2020, 14, 147.	1.4	45
1152	Mindfulness with paced breathing reduces blood pressure. Medical Hypotheses, 2020, 142, 109780.	0.8	12
1153	When are Worry and Rumination Negatively Associated with Resting Respiratory Sinus Arrhythmia? It Depends: The Moderating Role of Cognitive Reappraisal. Cognitive Therapy and Research, 2020, 44, 874-884.	1.2	3
1154	Modelling effects of S3D visual discomfort in human emotional state using data mining techniques. Multimedia Tools and Applications, 2020, 79, 19803-19829.	2.6	6
1155	The effect of preoperative depression and anxiety on heart rate variability in women with breast cancer. Breast Cancer, 2020, 27, 912-918.	1.3	9
1156	Serious infection may systemically increase noradrenergic signaling and produce psychological effects. Medical Hypotheses, 2020, 139, 109692.	0.8	12
1157	Teachersâ€™ ambulatory heart rate variability as an outcome and moderating variable in the job demands-resources model. Anxiety, Stress and Coping, 2020, 33, 387-402.	1.7	11
1158	The haemodynamic demand and the attributes related to the displacement of the soccer referees in the moments of decision / intervention during the matches. International Journal of Performance Analysis in Sport, 2020, 20, 219-230.	0.5	2

#	Article	IF	Citations
1159	On My Own: The Aversion to Being Observed during the Preference-Construction Stage. Journal of Consumer Research, 2020, 47, 475-499.	3.5	22
1160	Stability or Plasticity? â€“ A Hierarchical Allostatic Regulation Model of Medial Prefrontal Cortex Function for Social Valuation. Frontiers in Neuroscience, 2020, 14, 281.	1.4	14
1161	The human health effects of singing bowls: A systematic review. Complementary Therapies in Medicine, 2020, 51, 102412.	1.3	11
1162	Right between the eyes: Corrugator muscle activity tracks the changing pleasantness of repeated slow stroking touch. Physiology and Behavior, 2020, 222, 112903.	1.0	9
1163	Yoga in school sports improves functioning of autonomic nervous system in young adults: A non-randomized controlled pilot study. PLoS ONE, 2020, 15, e0231299.	1.1	13
1164	Ventricular volume, white matter alterations and outcome of major depression and their relationship to endocrine parameters â€“ A pilot study. World Journal of Biological Psychiatry, 2021, 22, 104-118.	1.3	9
1165	Equine-assisted therapeutic activities and their influence on the heart rate variability: A systematic review. Complementary Therapies in Clinical Practice, 2020, 39, 101167.	0.7	7
1166	Autonomic modulation networks in schizophrenia: The relationship between heart rate variability and functional and structural connectivity in the brain. Psychiatry Research - Neuroimaging, 2020, 300, 111079.	0.9	4
1167	Affective brain patterns as multivariate neural correlates of cardiovascular disease risk. Social Cognitive and Affective Neuroscience, 2020, 15, 1034-1045.	1.5	20
1168	EasieRR: An openâ€source software for nonâ€invasive heart rate variability assessment. Methods in Ecology and Evolution, 2020, 11, 773-782.	2.2	5
1169	Neurophysiological investigations of drug resistant epilepsy patients treated with vagus nerve stimulation to differentiate responders from nonâ€responders. European Journal of Neurology, 2020, 27, 1178-1189.	1.7	31
1170	Fiber Bragg Grating Sensors for Cardiorespiratory Monitoring: A Review. IEEE Sensors Journal, 2021, 21, 14069-14080.	2.4	60
1171	Features of autonomic cardiovascular control during cognition in major depressive disorder. Psychophysiology, 2021, 58, e13628.	1.2	12
1172	Cardiac Autonomic Function and Psychological Characteristics of Heterosexual Female Perpetrators of Intimate Partner Physical Aggression. Journal of Interpersonal Violence, 2021, 36, 3638-3661.	1.3	6
1173	Structural covariance of the salience network associated with heart rate variability. Brain Imaging and Behavior, 2021, 15, 896-905.	1.1	1
1174	Simulation-based training of critical events during cardiopulmonary bypass: importance of a critical events checklist. Perfusion (United Kingdom), 2021, 36, 239-247.	0.5	4
1175	Study protocol of the MUSED study: A randomized controlled trial to evaluate the psychobiological effects of group music therapy in women with depression. Nordic Journal of Music Therapy, 2021, 30, 131-156.	0.7	4
1176	Parasympathetic cardiac control and attentional focus in trait worry. International Journal of Psychophysiology, 2021, 162, 181-189.	0.5	1

#	Article	IF	Citations
1177	Parsing inter- and intra-individual variability in key nervous system mechanisms of stress responsivity and across functional domains. Neuroscience and Biobehavioral Reviews, 2021, 120, 550-564.	2.9	15
1178	The autonomic nervous system in its natural environment: Immersion in nature is associated with changes in heart rate and heart rate variability. Psychophysiology, 2021, 58, e13698.	1.2	21
1179	Emotion context insensitivity in depression: Toward an integrated and contextualized approach. Psychophysiology, 2021, 58, e13715.	1.2	43
1180	Early life maltreatment and resting-state heart rate variability: A systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2021, 120, 307-334.	2.9	24
1181	Multivariate Correlation Measures Reveal Structure and Strength of Brainâ€“Body Physiological Networks at Rest and During Mental Stress. Frontiers in Neuroscience, 2020, 14, 602584.	1.4	21
1182	Memory improvement in aging as a function of exposure to mood-matching music. Acta Psychologica, 2021, 212, 103206.	0.7	7
1183	Behavioral and neurophysiological signatures of interoceptive enhancements following vagus nerve stimulation. Human Brain Mapping, 2021, 42, 1227-1242.	1.9	12
1184	Resting state heart rate variability and false memories. International Journal of Psychophysiology, 2021, 159, 17-22.	0.5	5
1185	Sex-Specific Associations Between Cardiac Workload, Peripheral Vascular Calcification, and Bone Mineral Density: The Gambian Bone and Muscle Aging Study. Journal of Bone and Mineral Research, 2020, 36, 227-235.	3.1	8
1186	Interplay between state anxiety, heart rate variability, and cognition: An ex-Gaussian analysis of response times. International Journal of Psychophysiology, 2021, 159, 60-70.	0.5	9
1187	Heart Rate Variability after Treatment for Depression in North Korean Defectors. Applied Psychophysiology Biofeedback, 2021, 46, 11-18.	1.0	3
1188	Stress and burnout among attending and resident physicians in the ED: a comparative study. IISE Transactions on Healthcare Systems Engineering, 2021, 11, 1-10.	1.2	8
1189	Changes in the Profile of Urine Proteins Associated with the Cardiovascular System in a Group of Healthy Young Men in Response to a Locomotor Test with a Stepwise Increasing Load. Human Physiology, 2021, 47, 79-86.	0.1	0
1190	Prescription opioid misusers exhibit blunted parasympathetic regulation during inhibitory control challenge. Psychopharmacology, 2021, 238, 765-774.	1.5	4
1191	AMPAr GluA1 Phosphorylation at Serine 845 in Limbic System Is Associated with Cardiac Autonomic Tone. Molecular Neurobiology, 2021, 58, 1859-1870.	1.9	2
1192	Characterization of Comorbid Posttraumatic Stress Disorder and Major Depressive Disorder Using Ketamine as an Experimental Medicine Probe. Journal of Psychiatry and Brain Science, 2021, 6, .	0.3	1
1193	Prediction of state anxiety by machine learning applied to photoplethysmography data. PeerJ, 2021, 9, e10448.	0.9	21
1194	Recent advances in wearable self-powered energy systems based on flexible energy storage devices integrated with flexible solar cells. Journal of Materials Chemistry A, 2021, 9, 18887-18905.	5.2	47

#	Article	IF	Citations
1195	Robust Estimation of Respiratory Variability Uncovers Correlates of Limbic Brain Activity and Transcutaneous Cervical Vagus Nerve Stimulation in the Context of Traumatic Stress. IEEE Transactions on Biomedical Engineering, 2022, 69, 849-859.	2.5	20
1196	Heart Rate Variability Modulates Interoceptive Accuracy. Frontiers in Neuroscience, 2020, 14, 612445.	1.4	17
1197	Time-Resolved Brain-to-Heart Probabilistic Information Transfer Estimation Using Inhomogeneous Point-Process Models. IEEE Transactions on Biomedical Engineering, 2021, 68, 3366-3374.	2.5	15
1198	Conceptual Framework for Worship (Ibadah). Studies in Neuroscience, Consciousness and Spirituality, 2021, , 17-91.	0.2	0
1199	Influence of a Single Slow-Paced Breathing Session on Cardiac Vagal Activity in Athletes. International Journal of Mental Health and Addiction, 2022, 20, 1632-1644.	4.4	15
1200	Heart Rate Variability and Erectile Function in Younger Men: A Pilot Study. Applied Psychophysiology Biofeedback, 2021, 46, 235-242.	1.0	3
1201	Tragus based Vagus Nerve Stimulation for Stress Reduction. , 2021, , .		0
1202	Neuroeconomic Perspectives for Economics. Advances in Logistics, Operations, and Management Science Book Series, 2021, , 135-151.	0.3	0
1203	Taking context to heart: Momentary emotions, menstrual cycle phase, and cardiac autonomic regulation. Psychophysiology, 2021, 58, e13765.	1.2	9
1204	Externalizing and Internalizing Problems: Associations with Family Adversity and Young Childrenâ€™s Adrenocortical and Autonomic Functioning. Research on Child and Adolescent Psychopathology, 2021, 49, 629-642.	1.4	7
1205	Psychiatric and Neurological Disorders. , 2021, , 117-141.		1
1206	Impact of Real and Simulated Flights on Psychophysiological Response of Military Pilots. International Journal of Environmental Research and Public Health, 2021, 18, 787.	1.2	15
1207	Classifying Multi-Level Stress Responses From Brain Cortical EEG in Nurses and Non-Health Professionals Using Machine Learning Auto Encoder. IEEE Journal of Translational Engineering in Health and Medicine, 2021, 9, 1-9.	2.2	11
1208	Positive Technology for Helping People Cope with Stress. , 2021, , 787-814.		0
1209	Cognitive Workload Quantified by Physiological Sensors in Realistic Immersive Settings. Lecture Notes in Computer Science, 2021, , 119-133.	1.0	1
1210	The Complex Associations Between Early Childhood Adversity, Heart Rate Variability, Cluster B Personality Disorders, and Aggression. International Journal of Offender Therapy and Comparative Criminology, 2021, 65, 899-915.	0.8	10
1211	Live bedside music in daily clinical practice of a surgical hospital ward among older patients: A controlled study design of an innovative practice. Journal of Geriatric Oncology, 2021, 12, 960-963.	0.5	2
1214	BHI Physiology at a Glance. , 2021, , 3-19.		1

#	Article	IF	Citations
1215	Childrenâ€™s Antipredator Adaptations. , 2021, , 1068-1076.		0
1216	Comparative Analysis of the Stress Potential of Distance and Classroom Learning: A Pilot Study. Advances in Intelligent Systems and Computing, 2021, , 421-428.	0.5	0
1217	Repurposing the Quality Adjusted Life Year: Inferring and Navigating Wellness Cliques from High Sample Rate Multi-factor QALY. Lecture Notes in Computer Science, 2021, , 158-177.	1.0	1
1218	Big Data analytics and artificial intelligence in mental healthcare. , 2021, , 137-171.		12
1219	Integrating Breathing Techniques Into Psychotherapy to Improve HRV: Which Approach Is Best?. Frontiers in Psychology, 2021, 12, 624254.	1.1	12
1220	24 h-Heart Rate Variability as a Communication Tool for a Personalized Psychosomatic Consultation in Occupational Health. Frontiers in Neuroscience, 2021, 15, 600865.	1.4	7
1221	Chronic nonâ€medical prescription opioid use and empathy for pain: Does pain make the difference?. Psychophysiology, 2021, 58, e13776.	1.2	5
1222	Brain structure and parasympathetic function during rest and stress in young adult women. Brain Structure and Function, 2021, 226, 1195-1207.	1.2	2
1223	Studying freeway merging conflicts using virtual reality technology. Journal of Safety Research, 2021, 76, 16-29.	1.7	13
1224	Transcending Eudaimonic Entertainment. , 0, , 363-381.		3
1225	Osteopathy modulates brainâ€“heart interaction in chronic pain patients: an ASL study. Scientific Reports, 2021, 11, 4556.	1.6	27
1226	Cardiovascular Variability and Reactivity in Major Depressive Disorder. Journal of Psychophysiology, 2021, 35, 243-256.	0.3	7
1227	Social-Pragmatic Inferencing, Visual Social Attention and Physiological Reactivity to Complex Social Scenes in Autistic Young Adults. Journal of Autism and Developmental Disorders, 2022, 52, 73-88.	1.7	4
1228	Heart Rate Variability and Decision-Making: Autonomic Responses in Making Decisions. Brain Sciences, 2021, 11, 243.	1.1	26
1229	Creating a Compassionate World: Addressing the Conflicts Between Sharing and Caring Versus Controlling and Holding Evolved Strategies. Frontiers in Psychology, 2020, 11, 582090.	1.1	22
1230	Physiological Resonance in Empathic Stress: Insights from Nonlinear Dynamics of Heart Rate Variability. International Journal of Environmental Research and Public Health, 2021, 18, 2081.	1.2	7
1232	Normatively Irrelevant Affective Cues Affect Risk-Taking under Uncertainty: Insights from the Iowa Gambling Task (IGT), Skin Conductance Response, and Heart Rate Variability. Brain Sciences, 2021, 11, 336.	1.1	2
1233	Phasic heart rate variability and the association with cognitive performance: A cross-sectional study in a healthy population setting. PLoS ONE, 2021, 16, e0246968.	1.1	16

#	Article	IF	Citations
1234	Investigating the relationship between emotional granularity and cardiorespiratory physiological activity in daily life. Psychophysiology, 2021, 58, e13818.	1.2	14
1235	Compassion Is Not a Benzo: Distinctive Associations of Heart Rate Variability With Its Empathic and Action Components. Frontiers in Neuroscience, 2021, 15, 617443.	1.4	18
1236	The Influence of Slow-Paced Breathing on Executive Function. Journal of Psychophysiology, 2022, 36, 13-27.	0.3	23
1237	Moderation of the Stressor-Strain Process in Interns by Heart Rate Variability Measured With a Wearable and Smartphone App: Within-Subject Design Using Continuous Monitoring. JMIR Cardio, 2021, 5, e28731.	0.7	5
1238	Therapeutic Potential of Vagus Nerve Stimulation for Inflammatory Bowel Diseases. Frontiers in Neuroscience, 2021, 15, 650971.	1.4	72
1239	Pre-ictal heart rate variability alterations in focal onset seizures and response to vagus nerve stimulation. Seizure: the Journal of the British Epilepsy Association, 2021, 86, 175-180.	0.9	5
1240	HRV Biofeedback and Addiction: Rehabbing Body, Mind and Spirit. Biofeedback, 2021, 49, 10-17.	0.3	1
1241	Brainâ€“Heart Interaction During Transcutaneous Auricular Vagus Nerve Stimulation. Frontiers in Neuroscience, 2021, 15, 632697.	1.4	12
1242	Schoenbergâ€™s Cinematographic Blueprint: A Programmatic Analysis ofBegleitungsmusik zu einer Lichtspielscene(1929â€“1930). Music Theory Online, 2021, 27, .	0.1	1
1243	Ictal and Interictal Cardiac Manifestations in Epilepsy. A Review of Their Relation With an Altered Central Control of Autonomic Functions and With the Risk of SUDEP. Frontiers in Neurology, 2021, 12, 642645.	1.1	20
1244	Loss-related mental states impair executive functions in a context of sadness. Heliyon, 2021, 7, e06599.	1.4	2
1245	Enhanced cardiac vagal tone in mental fatigue: Analysis of heart rate variability in Time-on-Task, recovery, and reactivity. PLoS ONE, 2021, 16, e0238670.	1.1	34
1246	Eligibility Classification as a Factor in Understanding Student-Athlete Responses to Collegiate Volleyball Competition. Sports, 2021, 9, 43.	0.7	2
1247	High Job Burnout Predicts Low Heart Rate Variability in the Working Population after a First Episode of Acute Coronary Syndrome. International Journal of Environmental Research and Public Health, 2021, 18, 3431.	1.2	4
1248	A Multi-Method Approach to Understand Parent Behaviors During Child Acute Pain. Journal of Psychophysiology, 2022, 36, 28-41.	0.3	3
1249	Physiological responses to a school task: The role of studentâ€“teacher relationships and studentsâ€™ emotional appraisal. British Journal of Educational Psychology, 2021, 91, 1146-1165.	1.6	5
1250	The self in context: brain systems linking mental and physical health. Nature Reviews Neuroscience, 2021, 22, 309-322.	4.9	102
1251	Exercise Intervention Framework of Emotion Regulation Based on Heart Rate Variability. , 2021, , .		0

#	Article	IF	Citations
1252	Respiratory sinus arrhythmia predicts perceived therapy process of a group-based acceptance and commitment therapy intervention. Bulletin of the Menninger Clinic, 2021, 85, 9-22.	0.3	3
1253	Altered Heart Rate Variability in Patients With Schizophrenia During an Autonomic Nervous Test. Frontiers in Psychiatry, 2021, 12, 626991.	1.3	7
1255	Misplacing Memory: Examining the Phenomenon of Cognitive Offloading During an Officer-Involved Use-of-Force Scenario. Journal of Police and Criminal Psychology, 2022, 37, 49-67.	1.2	0
1256	Autonomic dysregulation and impairments in the recognition of facial emotional expressions in patients with chronic musculoskeletal pain. Scandinavian Journal of Pain, 2021, 21, 530-538.	0.5	3
1257	Quantifying multidimensional control mechanisms of cardiovascular dynamics during multiple concurrent stressors. Medical and Biological Engineering and Computing, 2021, 59, 775-785.	1.6	0
1258	Stress and aging: A neurovisceral integration perspective. Psychophysiology, 2021, 58, e13804.	1.2	41
1259	Cardiovascular pathophysiology from the cardioneural perspective and its clinical applications. Trends in Cardiovascular Medicine, 2022, 32, 172-177.	2.3	11
1260	Evaluating cannabidiol (CBD) expectancy effects on acute stress and anxiety in healthy adults: a randomized crossover study. Psychopharmacology, 2021, 238, 1965-1977.	1.5	27
1261	Using Virtual Reality to Evaluate the Impact of Room Acoustics on Cognitive Performance and Well-Being. Frontiers in Virtual Reality, 2021, 2, .	2.5	10
1262	Heart rate variability moderates the between- and within-person associations between daily stress and negative affect. International Journal of Psychophysiology, 2021, 162, 79-85.	0.5	5
1263	Evaluating Virtual Human Role-Players for the Practice and Development of Leadership Skills. Frontiers in Virtual Reality, 2021, 2, .	2.5	6
1264	Emergence of Metacognitive Knowledge via Audible Pupil Size. , 2021, , .		0
1265	Potassium excretion and blood pressure are associated with heart rate variability in healthy black adults: The African-PREDICT study. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 1071-1080.	1.1	0
1266	Do subjective and objective resilience measures assess unique aspects and what is their relationship to adolescent wellâ€being?. Psychology in the Schools, 2021, 58, 1320-1344.	1.1	3
1267	Sexual dimorphism in rats exposed to maternal high fat diet: alterations in medullary sympathetic network. Metabolic Brain Disease, 2021, 36, 1305-1314.	1.4	2
1268	Alterations of autonomic nervous system and HPA axis basal activity and reactivity to acute stress: a comparison of traumatized adolescents and healthy controls. Stress, 2021, 24, 876-887.	0.8	10
1269	Acupuncture as Adjuvant Therapy for Treating Stable Angina Pectoris with Moderate Coronary Artery Lesions and the Mechanism of Heart-Brain Interactions: A Randomized Controlled Trial Protocol. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-8.	0.5	2
1270	Changes in Heart Rate Variability Following Acoustic Therapy in Individuals With Tinnitus. Journal of Speech, Language, and Hearing Research, 2021, 64, 1413-1419.	0.7	3

#	Article	IF	Citations
1271	Association of positive emotion dysregulation to resting heart rate variability: The influence of positive affect intensity. Personality and Individual Differences, 2021, 173, 110607.	1.6	9
1272	Autonomic nervous system dysfunction in schizophrenia: impact on cognitive and metabolic health. NPJ Schizophrenia, 2021, 7, 22.	2.0	35
1273	Heart rate variability in patients with low back pain: a systematic review. Scandinavian Journal of Pain, 2021, 21, 426-433.	0.5	17
1274	Resting heart rate variability modulates the effects of concurrent working memory load on affective startle modification. Psychophysiology, 2021, 58, e13833.	1.2	2
1275	Mental Health Outcome Measures in Environmental Design Research: A Critical Review. Herd, 2021, 14, 331-357.	0.9	6
1276	Effects of combined theta burst stimulation and transcranial direct current stimulation of the dorsolateral prefrontal cortex on stress. Clinical Neurophysiology, 2021, 132, 1116-1125.	0.7	7
1277	The Potential Mechanisms of High-Velocity, Low-Amplitude, Controlled Vertebral Thrusts on Neuroimmune Function: A Narrative Review. Medicina (Lithuania), 2021, 57, 536.	0.8	4
1278	Pain Perception in Disorder of Consciousness: A Scoping Review on Current Knowledge, Clinical Applications, and Future Perspective. Brain Sciences, 2021, 11, 665.	1.1	4
1279	Novel Methodological Tools for Behavioral Interventions: The Case of HRV-Biofeedback. Sham Control and Quantitative Physiology-Based Assessment of Training Quality and Fidelity. Sensors, 2021, 21, 3670.	2.1	2
1280	Different psychophysiological and clinical symptoms are linked to affective versus sensory vicarious pain experiences. Psychophysiology, 2021, 58, e13826.	1.2	0
1281	Neurobiological mechanisms of early life adversity, blunted stress reactivity and risk for addiction. Neuropharmacology, 2021, 188, 108519.	2.0	36
1283	Smart Devices and Wearable Technologies to Detect and Monitor Mental Health Conditions and Stress: A Systematic Review. Sensors, 2021, 21, 3461.	2.1	86
1284	Four Weeks of Detraining Induced by COVID-19 Reverse Cardiac Improvements from Eight Weeks of Fitness-Dance Training in Older Adults with Mild Cognitive Impairment. International Journal of Environmental Research and Public Health, 2021, 18, 5930.	1.2	20
1285	Healthy horticulture for senior citizens. Acta Horticulturae, 2021, , 27-32.	0.1	0
1286	Gender Matters: Nonlinear Relationships Between Heart Rate Variability and Depression and Positive Affect. Frontiers in Neuroscience, 2021, 15, 612566.	1.4	9
1287	Does Eligibility Classification Matter? Tracking Cardiac Autonomic Function during a Collegiate Soccer Season. Sports, 2021, 9, 74.	0.7	0
1288	The relationship between Gulf War Illness symptom severity and heart rate variability: A pilot study. Life Sciences, 2021, 280, 119663.	2.0	1
1289	Withinâ€mother variability in vagal functioning and concurrent socioemotional dysregulation. Psychophysiology, 2021, 58, e13855.	1.2	4

#	Article	IF	Citations
1291	Is heart rate variability biofeedback useful in children and adolescents? A systematic review. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 1379-1390.	3.1	25
1292	Optimizing Autonomic Function Analysis via Heart Rate Variability Associated With Motor Activity of the Human Colon. Frontiers in Physiology, 2021, 12, 619722.	1.3	20
1293	The interactive effects of heart rate variability and mindfulness on indicators of well-being in healthcare professionals' daily working life. International Journal of Psychophysiology, 2021, 164, 130-138.	0.5	4
1294	The Timecourse of Electrophysiological Brainâ€“Heart Interaction in DoC Patients. Brain Sciences, 2021, 11, 750.	1.1	4
1295	The Influence of Heart Rate Variability Biofeedback on Cardiac Regulation and Functional Brain Connectivity. Frontiers in Neuroscience, 2021, 15, 691988.	1.4	36
1296	Mental health during the COVID-19 pandemic and beyond: The importance of the vagus nerve for biopsychosocial resilience. Neuroscience and Biobehavioral Reviews, 2021, 125, 1-10.	2.9	27
1297	Dynamics of Affective Habituation to Touch Differ on the Group and Individual Level. Neuroscience, 2021, 464, 44-52.	1.1	10
1298	Autonomic Nervous System Function in Anorexia Nervosa: A Systematic Review. Frontiers in Neuroscience, 2021, 15, 682208.	1.4	13
1300	Early development of normative mind for the students - Stress management approach. Aggression and Violent Behavior, 2021, , 101627.	1.2	1
1301	Systematic Review of the Neural Effect of Electroconvulsive Therapy in Patients with Schizophrenia: Hippocampus and Insula as the Key Regions of Modulation. Psychiatry Investigation, 2021, 18, 486-499.	0.7	12
1302	Relaxation or Regulation: The Acute Effect of Mind-Body Exercise on Heart Rate Variability and Subjective State in Experienced Qi Gong Practitioners. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-14.	0.5	7
1303	Heart Rate Variability in Psychology: A Review of HRV Indices and an Analysis Tutorial. Sensors, 2021, 21, 3998.	2.1	86
1304	Altered Relationship Between Heart Rate Variability and fMRI-Based Functional Connectivity in People With Epilepsy. Frontiers in Neurology, 2021, 12, 671890.	1.1	5
1305	Field Physiology: Studying Organismal Function in the Natural Environment. , 2021, 11, 1979-2015.		6
1306	Effects of a Home-Based Lifestyle Intervention Program on Cardiometabolic Health in Breast Cancer Survivors during the COVID-19 Lockdown. Journal of Clinical Medicine, 2021, 10, 2678.	1.0	26
1307	Heart Rate Variability and Pain Sensitivity in Chronic Low Back Pain Patients Exposed to Passive Viewing of Photographs of Daily Activities. Clinical Journal of Pain, 2021, 37, 591-597.	0.8	1
1308	Commentary: Photoplethysmography for Quantitative Assessment of Sympathetic Nerve Activity (SNA) During Cold Stress. Frontiers in Physiology, 2021, 12, 602745.	1.3	4
1309	Self-Reported Emotion Regulation Is Associated With Response to Test of Cardiac Vagal Function. Journal of Psychophysiology, 2022, 36, 65-74.	0.3	0

#	Article	IF	Citations
1310	Paradoxical effect of cumulative stress exposure on information processing speed in Hispanics/Latinos with elevated heart rate variability. International Journal of Psychophysiology, 2021, 164, 1-8.	0.5	1
1311	Can Reactivity of Heart Rate Variability Be a Potential Biomarker and Monitoring Tool to Promote Healthy Aging? A Systematic Review With Meta-Analyses. Frontiers in Physiology, 2021, 12, 686129.	1.3	10
1312	Field Monitoring the Effects of Overnight Shift Work on Specialist Tactical Police Training with Heart Rate Variability Analysis. Sustainability, 2021, 13, 7895.	1.6	3
1313	The Effects of the Medical Pause on Physiological Stress Markers among Health Care Providers: A Pilot Randomized Controlled Trial. Western Journal of Nursing Research, 2022, 44, 1036-1046.	0.6	3
1314	Integral pulse frequency modulation model driven by sympathovagal dynamics: Synthetic vs. real heart rate variability. Biomedical Signal Processing and Control, 2021, 68, 102736.	3.5	15
1315	Interactive effects of childhood maltreatment and tonic respiratory sinus arrhythmia on young adultsâ€™ depressive symptoms. Psychophysiology, 2021, 58, e13900.	1.2	7
1316	Consequences of exposure to the thin ideal in mass media depend on moderators in young women: An experimental study.. Journal of Abnormal Psychology, 2021, 130, 498-511.	2.0	5
1317	Cardiac parasympathetic activity in female patients with borderline personality disorder predicts approach/avoidance behavior towards angry faces. Biological Psychology, 2021, 163, 108146.	1.1	3
1318	Applying Heart Rate Variability to Monitor Health and Performance in Tactical Personnel: A Narrative Review. International Journal of Environmental Research and Public Health, 2021, 18, 8143.	1.2	19
1319	Depressed mood, brooding rumination and affective interference: The moderating role of heart rate variability. International Journal of Psychophysiology, 2021, 165, 47-55.	0.5	10
1320	Heart rate and heart rate variability as outcomes and longitudinal moderators of treatment for pain across follow-up in Veterans with Gulf War illness. Life Sciences, 2021, 277, 119604.	2.0	6
1321	Heartbeat evoked potentials (HEP) capture brain activity affecting subsequent heartbeat. Biomedical Signal Processing and Control, 2021, 68, 102731.	3.5	7
1322	Meaning in life and vagally-mediated heart rate variability: Evidence of a quadratic relationship at baseline and vagal reactivity differences. International Journal of Psychophysiology, 2021, 165, 101-111.	0.5	6
1323	The association between supportive social ties and autonomic nervous system functionâ€”differences between family ties and friendship ties in a cohort of older adults. European Journal of Ageing, 2022, 19, 263-276.	1.2	1
1324	Prolonged, High-Fidelity Simulation for Study of Patient Care in Resource-Limited Medical Contexts and for Technology Comparative Effectiveness Testing. , 2021, 3, e0477.		4
1325	Eating on the night shift: A need for evidenceâ€based dietary guidelines?. Nutrition Bulletin, 2021, 46, 339-349.	0.8	8
1326	Increased exhalation to inhalation ratio during breathing enhances highâ€frequency heart rate variability in healthy adults. Psychophysiology, 2021, 58, e13905.	1.2	23
1327	Longitudinal changes in HRV across pregnancy and postpartum: Effect of negative partner relationship qualities. Psychoneuroendocrinology, 2021, 129, 105216.	1.3	6

#	Article	IF	Citations
1328	The Effects of Group Therapeutic Singing on Cortisol and Motor Symptoms in Persons With Parkinson's Disease. Frontiers in Human Neuroscience, 2021, 15, 703382.	1.0	4
1329	Heart Rate Variability During Physical Exercise Is Associated With Improved Cognitive Performance in Alzheimer's Dementia Patientsâ€"A Longitudinal Feasibility Study. Frontiers in Sports and Active Living, 2021, 3, 684089.	0.9	8
1330	Sexually divergent cortical control of affective-autonomic integration. Psychoneuroendocrinology, 2021, 129, 105238.	1.3	13
1331	Examining Links Between Infant Parasympathetic Regulation during the Still-Face Paradigm and Later Callous-Unemotional Traits. Research on Child and Adolescent Psychopathology, 2022, 50, 489-503.	1.4	1
1332	Neural Responses During Emotion Transitions and Emotion Regulation. Frontiers in Psychology, 2021, 12, 666284.	1.1	0
1333	Unveiling the neural underpinnings of optimism: a systematic review. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 895-916.	1.0	8
1335	High vagal tone and rapid extinction learning as potential transdiagnostic protective factors following childhood violence exposure. Developmental Psychobiology, 2021, 63, e22176.	0.9	8
1336	Neurophysiological and autonomic responses of high and low level chess players during difficult and easy chess endgames â€“ A quantitative EEG and HRV study. Physiology and Behavior, 2021, 237, 113454.	1.0	4
1337	Targeting autonomic flexibility to enhance cognitive training outcomes in older adults with mild cognitive impairment: study protocol for a randomized controlled trial. Trials, 2021, 22, 560.	0.7	5
1338	Effects of high-frequency prefrontal rTMS on heart frequency rates and blood pressure in schizophrenia. Journal of Psychiatric Research, 2021, 140, 243-249.	1.5	2
1339	Respuesta cardiovascular al estrÃ©s en pacientes con epilepsia farmacorresistente: datos preliminares. Anales De Psicologia, 2021, 37, 440-448.	0.3	0
1340	Ultra-short heart rate variability reliability for cardiac autonomic tone assessment in mesial temporal lobe epilepsy. Epilepsy Research, 2021, 174, 106662.	0.8	4
1341	Heart rate variability biofeedback in chronic disease management: A systematic review. Complementary Therapies in Medicine, 2021, 60, 102750.	1.3	41
1342	Levels of Emotional Awareness: Theory and Measurement of a Socio-Emotional Skill. Journal of Intelligence, 2021, 9, 42.	1.3	30
1343	The role of electroencephalography electrical reference in the assessment of functional brainâ€"heart interplay: From methodology to user guidelines. Journal of Neuroscience Methods, 2021, 360, 109269.	1.3	38
1344	Subjective well-being and month-long LF/HF ratio among deskworkers. PLoS ONE, 2021, 16, e0257062.	1.1	8
1345	Technologyâ€mediated justâ€inâ€time adaptive interventions (JITAIs) to reduce harmful substance use: a systematic review. Addiction, 2022, 117, 1220-1241.	1.7	42
1346	Effects of yoga and mindfulness practices on the autonomous nervous system in primary school children: A non-randomised controlled study. Complementary Therapies in Medicine, 2021, 61, 102771.	1.3	5

#	Article	IF	Citations
1347	Analysis of Heart Rate Variability and Implication of Different Factors on Heart Rate Variability. Current Cardiology Reviews, 2021, 17, e160721189770.	0.6	73
1348	Intolerance of Uncertainty as a Transdiagnostic Factor. Current Approaches in Psychiatry, 2021, 13, 573-587.	0.2	4
1349	Psychophysiological response of military pilots in different combat flight maneuvers in a flight simulator. Physiology and Behavior, 2021, 238, 113483.	1.0	20
1350	Enhancing Cognitive Restructuring with Concurrent Repetitive Transcranial Magnetic Stimulation: A Transdiagnostic Randomized Controlled Trial. Psychotherapy and Psychosomatics, 2022, 91, 94-106.	4.0	10
1351	Ambulatory Heart Rate Variability Monitoring: Comparisons Between the Empatica E4 Wristband and Holter Electrocardiogram. Psychosomatic Medicine, 2022, 84, 210-214.	1.3	9
1352	Impact of the Result of Soccer Matches on the Heart Rate Variability of Women Soccer Players. International Journal of Environmental Research and Public Health, 2021, 18, 9414.	1.2	4
1353	Irregular Autonomic Modulation Predicts Risky Drinking and Altered Ventromedial Prefrontal Cortex Response to Stress in Alcohol Use Disorder. Alcohol and Alcoholism, 2022, 57, 437-444.	0.9	9
1354	Social Support and Longevity: Meta-Analysis-Based Evidence and Psychobiological Mechanisms. Frontiers in Psychology, 2021, 12, 717164.	1.1	30
1355	Autonomic Imbalance in Lymphoma Survivors. Journal of Clinical Medicine, 2021, 10, 4391.	1.0	1
1356	Regulating emotion following severe traumatic brain injury: a randomized controlled trial of heart-rate variability biofeedback training. Brain Injury, 2021, 35, 1390-1401.	0.6	8
1357	Identifying phenotypic and physiological subgroups of preschoolers with autism spectrum disorder. Psychological Medicine, 0, , 1-11.	2.7	0
1359	Drinking Water Enhances Cognitive Performance: Positive Effects on Working Memory But Not Long-Term Memory. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 0, , 1.	0.8	1
1361	Assessment of Stress Level of Young Undergraduates Before and After a Degree Examination Using Heart Rate Variability Analysis. European Journal of Medical and Health Sciences, 2021, 3, 1-6.	0.1	1
1362	Effects of Three Genres of FocusÂMusic on Heart Rate Variability and Sustained Attention. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2022, 6, 143-158.	0.8	7
1363	Cardiorespiratory fitness as protection against the development of memory intrusions: A prospective trauma analogue study. Biological Psychology, 2021, 165, 108189.	1.1	1
1364	The Validity of Physiological Measures to Identify Differences in Intrinsic Cognitive Load. Frontiers in Psychology, 2021, 12, 702538.	1.1	47
1365	Characterizing change in vagal tone during the first three years of life: A systematic review and empirical examination across two longitudinal samples. Neuroscience and Biobehavioral Reviews, 2021, 129, 282-295.	2.9	12
1366	Acupuncture for treating chronic stable angina pectoris associated anxiety and depression: A systematic review and meta-analysis. Complementary Therapies in Clinical Practice, 2021, 45, 101484.	0.7	10

#	Article	IF	Citations
1367	N2 event-related potential component is associated with cardiac autonomic tone regulation during mental fatigue. Physiology and Behavior, 2021, 241, 113591.	1.0	2
1368	Adjunct yoga therapy: Influence on heart rate variability in major depressive disorder - A randomized controlled trial. Asian Journal of Psychiatry, 2021, 65, 102832.	0.9	4
1369	Cardiac autonomic functioning and clinical outcome in adolescent borderline personality disorder over two years. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 111, 110336.	2.5	8
1370	Physiological indicators and subjective restorativeness with audio-visual interactions in urban soundscapes. Sustainable Cities and Society, 2021, 75, 103360.	5.1	20
1371	Hypothalamic symptoms of frontotemporal dementia disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 182, 269-280.	1.0	9
1372	Predicting Symptoms of Depression and Anxiety Using Smartphone and Wearable Data. Frontiers in Psychiatry, 2021, 12, 625247.	1.3	102
1373	Out-of-step: brain-heart desynchronization in anxiety disorders. Molecular Psychiatry, 2021, 26, 1726-1737.	4.1	31
1374	Emotion Regulation as a Transdiagnostic Risk Factor for (Non)Clinical Adolescentsâ€™ Internalizing and Externalizing Psychopathology: Investigating the Intervening Role of Psychological Need Experiences. Child Psychiatry and Human Development, 2022, 53, 124-136.	1.1	30
1375	Introduction to exercise psychology. , 0, , 1-14.		1
1377	Artificial Intelligence in education: Using heart rate variability (HRV) as a biomarker to assess emotions objectively. Computers and Education Artificial Intelligence, 2021, 2, 100011.	6.9	13
1379	HRV and Alterations in the Vegetative Nervous System. , 2014, , 119-128.		1
1380	Ex Vivo Biosignatures. SpringerBriefs in Applied Sciences and Technology, 2019, , 51-104.	0.2	1
1381	Work Stress and Autonomic Nervous System Activity. , 2020, , 1-33.		2
1382	Get Bent Into Shape: The Non-linear, Multi-system, Contextually-embedded Psychophysiology of Emotional Development. , 2019, , 27-55.		12
1383	Assessing Welfare: Short-Term Responses. Animal Welfare, 2019, , 99-130.	1.0	2
1384	Modelling Naturalistic Work Stress Using Spectral HRV Representations and Deep Learning. Advances in Intelligent Systems and Computing, 2020, , 267-277.	0.5	1
1385	Feedback Control for Optimizing Human Wellness. Lecture Notes in Computer Science, 2020, , 171-190.	1.0	3
1386	Diminished Vagal and/or Increased Sympathetic Activity in Post-Traumatic Stress Disorder. , 2016, , 1277-1295.		3

#	Article	IF	Citations
1387	Diminished Vagal and/or Increased Sympathetic Activity in Post-Traumatic Stress Disorder. , 2015, , 1-15.		4
1388	Workload Is Multidimensional, Not Unitary: What Now?. Lecture Notes in Computer Science, 2015, , 44-55.	1.0	16
1389	Fetal Assessment Using Biomagnetometry: Neurobehaviors, Cardiac Autonomic Control, and Research Applications. , 2016, , 453-480.		7
1390	Mindfulness-Based Cognitive Therapy application for People Living with Chronic Disease: the case of HIV. , 2016, , 83-103.		3
1391	Psychobiological Pathways from Work Stress to Reduced Health: Naturalistic and Experimental Studies on the ERI Model. Aligning Perspectives on Health, Safety and Well-being, 2016, , 145-170.	0.2	8
1392	Daily Stress Recognition System Using Activity Tracker and Smartphone Based on Physical Activity and Heart Rate Data. Smart Innovation, Systems and Technologies, 2019, , 11-21.	0.5	9
1393	HapticPulse â€“ Reveal Your Heart Rate in Physical Activities. Lecture Notes in Computer Science, 2012, , 51-60.	1.0	3
1394	A higher degree of insight impairment in stabilized schizophrenia patients is associated with reduced cardiac vagal tone as indexed by resting-state high-frequency heart rate variability. Asian Journal of Psychiatry, 2020, 53, 102171.	0.9	2
1395	The neural monitoring of visceral inputs, rather than attention, accounts for first-person perspective in conscious vision. Cortex, 2018, 102, 139-149.	1.1	66
1396	Quantifying respiratory sinus arrhythmia: Effects of misspecifying breathing frequencies across development. Development and Psychopathology, 2018, 30, 351-366.	1.4	116
1397	Cold Face Test-Induced Increases in Heart Rate Variability Are Abolished by Engagement in a Social Cognition Task. Journal of Psychophysiology, 2016, 30, 38-46.	0.3	7
1398	Regional Frontal Lobe Response Magnitudes During Affective Shifting Covary With Resting Heart Rate Variability in Healthy Volunteers. Journal of Psychophysiology, 2016, 30, 165-174.	0.3	6
1399	Cortical and Autonomic Patterns of Emotion Experiencing During a Recall Task. Journal of Psychophysiology, 2018, 32, 53-63.	0.3	10
1400	Rumination Moderates the Association Between Resting High-Frequency Heart Rate Variability and Perceived Ethnic Discrimination. Journal of Psychophysiology, 2019, 33, 13-21.	0.3	13
1401	Job Satisfaction Among Mental Health Workers. Journal of Psychophysiology, 2019, 33, 32-38.	0.3	3
1402	Cooperation Between Strangers in Face-to-Face Dyads Produces More Cardiovascular Activation Than Competition or Working Alone. Journal of Psychophysiology, 2019, 33, 65-75.	0.3	8
1403	The Contribution of Coping-Related Variables and Cardiac Vagal Activity on Prone Rifle Shooting Performance Under Pressure. Journal of Psychophysiology, 2019, 33, 171-187.	0.3	15
1404	Resting Heart Rate Variability Predicts Inhibitory Control Above and Beyond Impulsivity. Journal of Psychophysiology, 2019, 33, 198-206.	0.3	32

#	Article	IF	Citations
1405	Fatty Fish Intervention and Psychophysiological Responses to Mental Workload in Forensic Inpatients. Journal of Psychophysiology, 2020, 34, 10-18.	0.3	3
1406	Circadian Rhythms, Sleep, and Aging. Journal of Psychophysiology, 0, , 1-10.	0.3	6
1407	The Opposite of Stress. Experimental Psychology, 2020, 67, 150-159.	0.3	9
1408	Heart Rate Variability Moderates Challenge and Threat Reactivity to Sexism Among Women in STEM. Social Psychology, 2018, 49, 191-204.	0.3	5
1409	Effects of a brief mindfulness meditation intervention on student stress and heart rate variability.. International Journal of Stress Management, 2016, 23, 232-254.	0.9	125
1410	Parasympathetic nervous system activity predicts mood repair use and its effectiveness among adolescents with and without histories of major depression.. Journal of Abnormal Psychology, 2016, 125, 323-336.	2.0	30
1411	Mindfulness-oriented recovery enhancement reduces opioid dose in primary care by strengthening autonomic regulation during meditation.. American Psychologist, 2020, 75, 840-852.	3.8	32
1412	Effects of early adversity on neural mechanisms of distractor suppression are mediated by sympathetic nervous system activity in preschool-aged children.. Developmental Psychology, 2018, 54, 1674-1686.	1.2	20
1413	Autonomic reactivity and vulnerability to depression: A multi-wave study.. Emotion, 2017, 17, 602-615.	1.5	31
1414	Sex moderates the relationship between resting heart rate variability and self-reported difficulties in emotion regulation.. Emotion, 2019, 19, 992-1001.	1.5	36
1415	Authoritarian attitudes are associated with higher autonomic reactivity to stress and lower recovery.. Emotion, 2022, 22, 526-544.	1.5	6
1416	Vagally-mediated heart rate variability and indices of well-being: Results of a nationally representative study.. Health Psychology, 2017, 36, 73-81.	1.3	52
1417	Secondary outcomes of a behavioral sleep intervention: A randomized clinical trial.. Health Psychology, 2019, 38, 196-205.	1.3	10
1418	Memory and the operational witness: Police officer recall of firearms encounters as a function of active response role.. Law and Human Behavior, 2016, 40, 23-35.	0.6	34
1419	Relaxation during the evening and next-morning energy: The role of hassles, uplifts, and heart rate variability during work.. Journal of Occupational Health Psychology, 2020, 25, 83-98.	2.3	22
1420	Graphical representations of adolescentsâ€™ psychophysiological reactivity to social stressor tasks: Reliability and validity of the Chernoff Face approach and person-centered profiles for clinical use.. Psychological Assessment, 2017, 29, 422-434.	1.2	9
1421	Autonomic and affective mediators of the relationship between mindfulness and opioid craving among chronic pain patients.. Experimental and Clinical Psychopharmacology, 2019, 27, 55-63.	1.3	19
1422	Social neuroscience and health: neurophysiological mechanisms linking social ties with physical health. , 0, .		2

#	Article	IF	Citations
1427	Assessing multi-agent human-autonomy teams: US Army Robotic Wingman gunnery operations. , 2019, , .		8
1428	Study protocol for a prospective, longitudinal cohort study investigating the medical and psychosocial outcomes of UK combat casualties from the Afghanistan war: the ADVANCE Study. BMJ Open, 2020, 10, e037850.	0.8	23
1429	A Biofeedback Enhanced Adaptive Virtual Reality Environment for Managing Surgical Pain and Anxiety. International Journal of Semantic Computing, 2020, 14, 375-393.	0.4	11
1430	Continuous Detection of Physiological Stress with Commodity Hardware. ACM Transactions on Computing for Healthcare, 2020, 1, 1-30.	3.3	23
1431	Uncertainty promotes information-seeking actions, but what information?. Cognitive Research: Principles and Implications, 2020, 5, 42.	1.1	15
1432	Resting Heart Rate Variability Predicts Safety Learning and Fear Extinction in an Interoceptive Fear Conditioning Paradigm. PLoS ONE, 2014, 9, e105054.	1.1	68
1433	Can Cognitive Activities during Breaks in Repetitive Manual Work Accelerate Recovery from Fatigue? A Controlled Experiment. PLoS ONE, 2014, 9, e112090.	1.1	33
1434	Effects of Aesthetic Chills on a Cardiac Signature of Emotionality. PLoS ONE, 2015, 10, e0130117.	1.1	45
1435	Time Course of Heart Rate Variability Response to PM2.5 Exposure from Secondhand Smoke. PLoS ONE, 2016, 11, e0154783.	1.1	11
1436	Getting to the Heart of Emotion Regulation in Youth: The Role of Interoceptive Sensitivity, Heart Rate Variability, and Parental Psychopathology. PLoS ONE, 2016, 11, e0164615.	1.1	35
1437	Potential biological pathways linking Type-D personality and poor health: A cross-sectional investigation. PLoS ONE, 2017, 12, e0176014.	1.1	27
1438	Combined effect of prefrontal transcranial direct current stimulation and a working memory task on heart rate variability. PLoS ONE, 2017, 12, e0181833.	1.1	49
1439	Autonomic stress reactivity and craving in individuals with problematic Internet use. PLoS ONE, 2018, 13, e0190951.	1.1	30
1440	Heart rate variability is enhanced during mindfulness practice: A randomized controlled trial involving a 10-day online-based mindfulness intervention. PLoS ONE, 2020, 15, e0243488.	1.1	35
1441	Psychological and Physiological Profiles in Oncology Caregivers: A Multivariable Cross-Sectional Study. Transactions on Machine Learning and Artificial Intelligence, 2017, 5, .	0.3	2
1442	Cognitive load in processing ELF: Translators, interpreters, and other multilinguals. Journal of English As A Lingua Franca, 2020, 9, 217-238.	0.0	10
1443	The Impact of Nutrition on the Autonomic Nervous System. International Journal of Food and Nutritional Science, 2016, 3, 1-16.	0.4	7
1444	A Pilot Study Exploring the Relationship between Short-Term HRV and Self-Rated Health Status among Elderly People. Archives of Community Medicine and Public Health, 0, , 001-007.	0.1	1

#	Article	IF	Citations
1445	Event-Related Telemetry of Heart Rate for Personalized Remote Monitoring of Cognitive Functions and Stress under Conditions of Everyday Activity. Sovremennye Tehnologii V Medicine, 2019, 11, 109.	0.4	12
1446	ORTHOSTATIC TACHYCARDIA: DIAGNOSTIC AND PROGNOSTIC VALUE OF VERY LOW FREQUENCY OF HEART RATE VARIABILITY. Bulletin of Siberian Medicine, 2014, 13, 136-148.	0.1	8
1447	The effect of low frequency 2-10 Hz vibrations on blood circulation in lower extremities. Journal of Vibroengineering, 2017, 19, 4694-4701.	0.5	3
1448	A Role of the Parasympathetic Nervous System in Cognitive Training. Current Alzheimer Research, 2017, 14, 784-789.	0.7	22
1449	Positive Social Interactions in a Lifespan Perspective with a Focus on Opioidergic and Oxytocinergic Systems: Implications for Neuroprotection. Current Neuropharmacology, 2017, 15, 543-561.	1.4	26
1450	Nonlinear and Conventional Biosignal Analyses Applied to Tilt Table Test for Evaluating Autonomic Nervous System and Autoregulation. Open Biomedical Engineering Journal, 2013, 7, 93-99.	0.7	9
1451	Alcoholic Neuropathy: Involvement of Multifaceted Signalling Mechanisms. Current Molecular Pharmacology, 2020, 14, 2-10.	0.7	9
1452	Effects of Cold Stimulation on Cardiac-Vagal Activation in Healthy Participants: Randomized Controlled Trial. JMIR Formative Research, 2018, 2, e10257.	0.7	12
1453	Biofeedback-Assisted Resilience Training for Traumatic and Operational Stress: Preliminary Analysis of a Self-Delivered Digital Health Methodology. JMIR MHealth and UHealth, 2019, 7, e12590.	1.8	17
1454	Associations Between Heart Rate Variability Measured With a Wrist-Worn Sensor and Older Adultsâ€™ Physical Function: Observational Study. JMIR MHealth and UHealth, 2019, 7, e13757.	1.8	28
1455	Effects of a 12-Minute Smartphone-Based Mindful Breathing Task on Heart Rate Variability for Students With Clinically Relevant Chronic Pain, Depression, and Anxiety: Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2019, 8, e14119.	0.5	11
1456	An Internet-Based Psychological Intervention With a Serious Game to Improve Vitality, Psychological and Physical Condition, and Immune Function in Healthy Male Adults: Randomized Controlled Trial. Journal of Medical Internet Research, 2020, 22, e14861.	2.1	6
1457	An Integrative Model for the Effectiveness of Biofeedback Interventions for Anxiety Regulation: Viewpoint. Journal of Medical Internet Research, 2020, 22, e14958.	2.1	30
1458	Toward a Taxonomy for Analyzing the Heart Rate as a Physiological Indicator of Posttraumatic Stress Disorder: Systematic Review and Development of a Framework. JMIR Mental Health, 2020, 7, e16654.	1.7	9
1459	Engagement Strategies for Self-Monitoring Symptoms of Bipolar Disorder With Mobile and Wearable Technology: Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2018, 7, e130.	0.5	14
1460	Approaching Fake News at the Expense of Truth: A Psychophysiological Study of News on Social Media. , 2020, , .		4
1461	Embodied reports in paramedicine mixed reality learning. Research in Learning Technology, 2018, 26, .	2.3	9
1462	Posttraumatic Stress Disorder and Alterations in Resting Heart Rate Variability: A Systematic Review and Meta-Analysis. Psychiatry Investigation, 2020, 17, 9-20.	0.7	37

#	Article	IF	Citations
1463	Physiological mechanisms of mindfulness: Preliminary evidence from self-similarity of heart rate variability. Acta Psychologica Sinica, 2018, 50, 1413.	0.4	2
1464	ä½•ä¸å®½ä»¥å¾…å·±?è‡ªæ,¯çš„ä½œç”¨æœºå^¶åŠå¹²é¢„. Advances in Psychological Science, 2020, 28, 824-832.	0.2	3
1465	Effect of Stimulative and Sedative Music Videos on Depressive Symptoms and Physiological Relaxation in Older Adults: A Pilot Study. Research in Gerontological Nursing, 2016, 9, 233-242.	0.2	3
1466	An Online Heart Rate Variability Analysis Method Based on Sliding Window Hurst Series. Journal of Fiber Bioengineering and Informatics, 2015, 8, 391-400.	0.2	5
1467	Ã‰tudier les phÃ©nomÃ¨nes Ã©motionnels en classe : au carrefour des neurosciences et des recherches en Ã©ducation. Ã‰ducation Et Socialisation, 2018, , .	0.2	1
1468	Yoga and heart rate variability: A comprehensive review of the literature. International Journal of Yoga, 2016, 9, 97.	0.4	129
1469	Respiratory sinus arrhythmia as a non-invasive index of â€²brain-heartâ€² interaction in stress. Indian Journal of Medical Research, 2016, 144, 815.	0.4	29
1470	Immediate effect of yogic postures on autonomic neural responses. Research in Cardiovascular Medicine, 2019, 8, 106.	0.2	6
1471	Personality and Heart Rate Variability: Exploring Pathways from Personality to Cardiac Coherence and Health. Open Journal of Social Sciences, 2013, 01, 32-39.	0.1	35
1472	Saliva Cortisol and Heart Rate Variability as Biomarkers in Understanding Emotional Reaction and Regulation of Young Childrenâ€”A Review. Psychology, 2013, 04, 19-26.	0.3	9
1473	Continuous Estimation of Stress Using Physiological Signals during a Car Race. Psychology, 2017, 08, 978-986.	0.3	9
1474	Treating Postconcussion Syndrome with LORETA Z-Score Neurofeedback and Heart Rate Variability Biofeedback: Neuroanatomical/Neurophysiological Rationale, Methods, and Case Examples. Biofeedback, 2015, 43, 15-26.	0.3	9
1475	Acute effects of partial-body vibration in sitting position. World Journal of Orthopedics, 2018, 9, 156-164.	0.8	3
1476	Heart Rate Variability Recording System Using Photoplethysmography Sensor. , 0, , .		7
1477	Stress status classification based on EEG signals. The Journal of the Institute of Internet Broadcasting and Communication, 2016, 16, 103-108.	0.0	8
1478	Dynamic behavior of the locus coeruleus during arousal-related memory processing in a multi-modal 7T fMRI paradigm. ELife, 2020, 9, .	2.8	43
1479	Translation to the clinic and other modalities. , 2021, , 265-285.		1
1481	HRV patterns associated with different affect regulation systems: Sex differences in adolescents. International Journal of Psychophysiology, 2021, 170, 156-167.	0.5	8

#	Article	IF	Citations
1482	Perfectionism and Stressful Perseveration in the Psychophysiological Experience of Stress: A 7-Day Multi-Method Study. Journal of Psychopathology and Behavioral Assessment, 2022, 44, 202-213.	0.7	2
1483	Heart Rate Variability and Inflammatory Stress Response in Young African American Men: Implications for Cardiovascular Risk. Frontiers in Cardiovascular Medicine, 2021, 8, 745864.	1.1	6
1484	Childhood adversity modulation of central autonomic network components during cognitive regulation of emotion in major depressive disorder and borderline personality disorder.. Psychiatry Research - Neuroimaging, 2021, 318, 111394.	0.9	3
1485	Heart rate variability as a biomarker of functional outcomes in persons with acquired brain injury: Systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2021, 131, 737-754.	2.9	8
1486	Brain Functions Modulating Redistribution of Natural Killer Cells Accompanying Cognitive Appraisal of Acute Stress. , 2013, , 179-192.		1
1488	Pathophysiological and Systems Biology Considerations. , 2014, , 129-145.		0
1489	Experimental Results on a New Method for Analysis of Heart Rate Variability. World Journal of Cardiovascular Diseases, 2014, 04, 385-389.	0.0	3
1490	Modeling the Diffusion of Psychological Stress. Advances in Healthcare Information Systems and Administration Book Series, 2014, , 178-204.	0.2	0
1491	Analysis of the Autonomic Regulation in a Case of Facioscapulohumeral Muscular Dystrophy after Ken Ware Treatment. World Journal of Neuroscience, 2015, 05, 162-173.	0.1	4
1493	Assessment of mental tension to emotionally significant situations in operators. Ukrainian Journal of Occupational Health, 2015, 2015, 41-52.	0.3	1
1494	Overview a Quality-Scalable and Energy-Efficient Approach for Spectral Analysis of Heart Rate Variability. International Journal of Computer Applications, 2015, 129, 7-10.	0.2	6
1495	Positive Technology for Helping People Cope with Stress. Advances in Psychology, Mental Health, and Behavioral Studies, 2016, , 316-343.	0.1	7
1497	Taking Human Performance to the Next Level (with FLARE). Biofeedback, 2016, 44, 111-120.	0.3	1
1498	Current Practice of Neurofeedback: Where We Are and How We Got There. Biofeedback, 2016, 44, 181-205.	0.3	1
1499	Dynamics of heart activities during moral dilemmas solving by children 4â€”11 years old. Ã´ksperimentalÊ¹naÃ¢ PsihologiÃ¢, 2017, 10, 97-109.	0.1	0
1500	Vagally Mediated Heart Rate Variability Promotes the Perception of Paradoxical Pain. Journal of Psychophysiology, 2017, 31, 134-144.	0.3	0
1502	The Effects of Cognitive Appraisal and Emotional Suppression on Autonomic Nervous Reactions on the Basis of Sensory Processing Sensitivity. Iranian Journal of Psychiatry and Clinical Psychology, 2017, 23, 148-163.	0.1	0
1504	Monitoring Patients during Neurorehabilitation Following Central or Peripheral Nervous System Injury: Dynamic Difficulty Adaptation. , 2017, , 281-296.		0

#	Article	IF	Citations
1505	Stress de lâ€™Ã©valuation scolaireÂ: un nouveau regard sur un problÃ¨me ancien. Eduquer, 2017, , .	0.0	1
1506	Correlation between Cardiometabolic Risk Factors and Components of Heart Rate Variability. Journal of Health Informatics and Statistics, 2017, 42, 317-321.	0.1	0
1507	A relationship between brainstem auditory evoked potential and vagal control of heart rate in adult women. Acta Neurobiologiae Experimentalis, 2018, 78, 305-314.	0.4	1
1508	Assessment of Heart Rate Variability in Adolescents with Different Levels of Personal Anxiety in Physical and Mental Tests. Psychology, 2018, 09, 2709-2717.	0.3	0
1517	Gemeinsam 4.0: Ein positives Wachstumsklima gestalten. , 2019, , 235-255.		0
1519	Methodical Approach to the Study of Intersystem Interaction of Human Cardiovascular System and Brain. Lesya Ukrainka Eastern European National University Scientific Bulletin: Series: Biological Sciences, 2018, , 122-132.	0.0	0
1521	Asking Both the Userâ€™s Heart and Its Owner: Empirical Evidence for Substance Dualism. Lecture Notes in Information Systems and Organisation, 2019, , 251-257.	0.4	18
1522	Vital Signs Analysis for Oceanauts in Deep Sea Submerged Environment: A Case Study. IFMBE Proceedings, 2019, , 179-180.	0.2	1
1523	Establishing Digital Biomarkers for Occupational Health Assessment in Commercial Salmon Fishermen: Protocol for a Mixed-Methods Study. JMIR Research Protocols, 2018, 7, e10215.	0.5	4
1524	El cultivo de la autoconciencia y el bienestar emocional en los profesionales que trabajan con el sufrimiento. Revista De InvestigaciÃ³n Y EducaciÃ³n En Ciencias De La Salud (RIECS), 2019, 4, 77-93.	0.0	5
1525	The indicators of cardiorespiratory system in rats in conditions of chronic hypokinetic stress on the background of normal and restricted nutrition. , 0, , .		0
1526	Emergency Mental Health After Traumatic Events. , 2019, , 167-183.		0
1527	Show Me Your Moves: Analyzing Body Signals to Predict Creativity of Knowledge Workers. Studies on Entrepreneurship, Structural Change and Industrial Dynamics, 2019, , 183-200.	0.3	0
1528	Understanding the design rules for a nonintrusive, textile, heart rate monitoring system. Digital Medicine, 2019, 5, 162.	0.1	1
1529	HRV evidence for the improvement of emotion regulation in university students with depression tendency by working memory training. Acta Psychologica Sinica, 2019, 51, 648-661.	0.4	3
1532	Discussion of HeartMath Techniques for the Transformation of Shame Experiences. , 2019, , 533-545.		0
1533	Assessment of psychological stress during sleep using digital devices and its clinical relevance to future occupational health practice. Digital Medicine, 2019, 5, 102.	0.1	0
1534	Review of Heart Rate Variability and Application Research. Advances in Psychology, 2019, 09, 1510-1516.	0.0	1

#	Article	IF	Citations
1535	The Neurolinguistics of the Heart. Arquivos Brasileiros De Cardiologia, 2019, 113, 734-736.	0.3	0
1541	Theory informed framework for integrating environmental and physiologic data in applications targeting productivity and well-being in workplace. , 2019, , .		1
1542	Introduction to Exercise Psychology. , 2019, , 4-16.		0
1543	Multisensory Nature and Mental Health. , 2020, , 71-110.		2
1545	Patientsâ€™ selfoperated telemedical solutions for ecg screening. Medical Alphabet, 2019, 2, 25-28.	0.0	0
1546	Low cardiac vagal control is associated with genetic liability for elevated triglycerides and risky health behaviors. Biological Psychology, 2020, 153, 107892.	1.1	1
1548	The Broken Heart: The Role of Life Events in Takotsubo Syndrome. Journal of Clinical Medicine, 2021, 10, 4940.	1.0	6
1549	Heart Rate Variability in Children and Adolescents with Autism, ADHD and Co-occurring Autism and ADHD, During Passive and Active Experimental Conditions. Journal of Autism and Developmental Disorders, 2022, 52, 4679-4691.	1.7	9
1550	Association between severity of pain, perceived stress and vagally-mediated heart rate variability in women with endometriosis. Women and Health, 2021, 61, 937-946.	0.4	7
1551	Identification of a High-Risk Group of New-Onset Cardiovascular Disease in Occupational Drivers by Analyzing Heart Rate Variability. International Journal of Environmental Research and Public Health, 2021, 18, 11486.	1.2	5
1552	Safe in my heart: resting heart rate variability longitudinally predicts emotion regulation, worry, and sense of safeness during COVID-19 lockdown. Stress, 2022, 25, 9-13.	0.8	10
1553	Work Stress and Autonomic Nervous System Activity. Handbook Series in Occupational Health Sciences, 2020, , 625-656.	0.1	2
1554	Cardiovascular Manifestations in Schizophrenia. , 2020, , 1-19.		0
1555	High-Frequency Heart Rate Variability and Emotion-Driven Impulse Control Difficulties During Adolescence: Examining Experienced and Expressed Negative Emotion as Moderators. Journal of Early Adolescence, 2021, 41, 1151-1176.	1.1	4
1556	Analysis of Dynamic Changes in Cognitive Workload During Cardiac Surgery Perfusionistsâ€² Interactions With the Cardiopulmonary Bypass Pump. Human Factors, 2021, 63, 757-771.	2.1	2
1557	Emotion regulation of othersâ€™ positive and negative emotions is related to distinct patterns of heart rate variability and situational empathy. PLoS ONE, 2020, 15, e0244427.	1.1	12
1558	Relationship of collagen as the component of the extracellular matrix with the mechanisms of autonomic regulation of the cardiovascular system under simulated conditions of long-term isolation. Life Sciences in Space Research, 2022, 32, 17-25.	1.2	2
1559	A Reliable Neurophysiological Assessment of Stress â€“ Basic Foundations for a Portable BCI Solution. Lecture Notes in Computer Science, 2020, , 209-214.	1.0	0

#	Article	IF	Citations
1560	Changing the Cadence from Military to Community through Music. Music and Medicine, 2020, 12, 42.	0.2	0
1561	Influence of Complexity and Noise on Mental Workload During a Manual Assembly Task. Communications in Computer and Information Science, 2020, , 147-174.	0.4	3
1562	Rumination, cognition, and the brain. , 2020, , 279-311.		7
1563	Salivary Bioscience in Military, Space, and Operational Research. , 2020, , 585-610.		0
1564	Childrenâ€™s Antipredator Adaptations. , 2020, , 1-9.		0
1565	Borderline Personality Disorder and the Heart. , 2020, , 315-333.		1
1566	Borderline Personality Disorder and the Heart. , 2020, , 1-19.		0
1567	Cardiovascular Manifestations in Schizophrenia. , 2020, , 335-353.		0
1569	Virtual Reality to Train Preservice Teachers. Advances in Game-based Learning, 2020, , 141-154.	0.3	2
1571	Pure purr virtual reality technology: measuring heart rate variability and anxiety levels in healthy volunteers affected by moderate stress. Archives of Medical Science, 2020, 18, 336-343.	0.4	3
1572	Indices of heart rate variability for estimation of adaptive processes and stress resistance in gastroenterology practice (using up-to-date technology of precise-diagnosis). Gastroenterologia, 2020, 54, 113-123.	0.0	4
1573	Respiratory Sinus Arrhythmia as an Index of Cardiac Vagal Control in Mitral Valve Prolapse. Physiological Research, 2020, 69, S163-S169.	0.4	6
1574	Exploring Relationships between Cerebral and Peripheral Biosignals with Neural Networks. , 2021, , .		0
1575	Excite-O-Meter: Software Framework to Integrate Heart Activity in Virtual Reality. , 2021, , .		9
1576	High Î³ Activity in Cortex and Hippocampus Is Correlated with Autonomic Tone during Sleep. ENeuro, 2021, 8, ENEURO.0194-21.2021.	0.9	3
1577	Don't stress, it's under control: Neural correlates of stressor controllability in humans. NeuroImage, 2021, 245, 118701.	2.1	6
1578	Evaluating commercially available wireless cardiovascular monitors for measuring and transmitting realâ€time physiological responses in children with autism. Autism Research, 2022, 15, 117-130.	2.1	10
1579	Comparative Assessment of Heart Rate Variability Obtained via Ambulatory ECG and Polar Heart Rate Monitors in Healthy Cats: A Pilot Study. Frontiers in Veterinary Science, 2021, 8, 741583.	0.9	1

#	Article	IF	Citations
1580	Real-Time Psychophysiological and Writing Correlates of Expressive Writing. Experimental Psychology, 2020, 67, 237-245.	0.3	2
1584	Cardiovascular Responses to Stress Utilizing Anticipatory Singing Tasks. Journal of Psychophysiology, 0, , 1-11.	0.3	2
1585	Beat-to-Beat Detection Accuracy Using the Ultra Low Power Senbiosys PPG Sensor. IFMBE Proceedings, 2021, , 178-188.	0.2	1
1587	Neuroplasticity and Predictors of Alcohol Recovery. , 2015, 37, 143-52.		17
1588	Novice Meditators of an Easily Learnable Audible Mantram Sound Self-Induce an Increase in Vagal Tone During Short-term Practice: A Preliminary Study. Integrative Medicine, 2018, 17, 20-28.	0.1	0
1589	Endothelial, Cardiovascular, and Performance Responses to L-Arginine Intake and Resistance Exercise. International Journal of Exercise Science, 2019, 12, 701-713.	0.5	0
1590	A validation study of a smartphone application for heart rate variability assessment in asymptomatic adults. American Journal of Cardiovascular Disease, 2020, 10, 219-229.	0.5	1
1591	Baseline heart rate variability (HRV) and performance during a set-shifting visuospatial learning task: The moderating effect of trait negative affectivity (NA) on behavioral flexibilityâœ°. Physiology and Behavior, 2022, 243, 113647.	1.0	3
1592	The interplay of self-critical rumination and resting heart rate variability on subjective well-being and somatic symptom distress: A prospective study. Journal of Psychosomatic Research, 2022, 152, 110676.	1.2	7
1593	Heart rate variability-guided training in professional runners: Effects on performance and vagal modulation. Physiology and Behavior, 2022, 244, 113654.	1.0	6
1594	Heart rate variability in neonatal seizures: Investigation and implications for management. Neurophysiologie Clinique, 2021, 51, 483-492.	1.0	4
1595	Age-Related Differences in Cardiac Autonomic Control at Resting State and in Response to Mental Stress. Diagnostics, 2021, 11, 2218.	1.3	1
1596	Gender Differences in Cardiac Chronotropic Control: Implications for Heart Rate Variability Research. Applied Psychophysiology Biofeedback, 2022, 47, 65-75.	1.0	14
1597	Estimating Resting HRV during fMRI: A Comparison between Laboratory and Scanner Environment. Sensors, 2021, 21, 7663.	2.1	4
1599	Using Actigraphy and Heart Rate Variability (HRV) to Assess Sleep Quality and Sleep Arousal of Three App-Based Interventions: Sleep Music, Sleepcasts, and Guided Mindfulness. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2022, 6, 216-231.	0.8	6
1600	Single Slow-Paced Breathing Session at Six Cycles per Minute: Investigation of Dose-Response Relationship on Cardiac Vagal Activity. International Journal of Environmental Research and Public Health, 2021, 18, 12478.	1.2	10
1601	Changes in Prefrontal fNIRS Activation and Heart Rate Variability During Self-Compassionate Thinking Related to Stressful Memories. Mindfulness, 2022, 13, 326-338.	1.6	3
1602	Combining top-down and bottom-up interventions targeting the vagus nerve to increase resilience. Neuroscience and Biobehavioral Reviews, 2022, 132, 725-729.	2.9	11

#	Article	IF	Citations
1603	Measuring Bicyclistsâ€™ Subjective Experiences Through Physiological Measurements: A Scoping Review. SSRN Electronic Journal, 0, , .	0.4	0
1604	Continuous PPG-Based Blood Pressure Monitoring Using Multi-Linear Regression. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2096-2105.	3.9	34
1605	Predicting Heart Rate Variability Parameters in Healthy Korean Adults: A Preliminary Study. Inquiry (United States), 2021, 58, 004695802110562.	0.5	2
1606	Situational States Influence on Team Workload Demands in Cyber Defense Exercise. Lecture Notes in Computer Science, 2021, , 3-20.	1.0	1
1607	Evaluation of nocturnal vs. morning measures of heart rate indices in young athletes. PLoS ONE, 2022, 17, e0262333.	1.1	7
1608	Early childhood lead exposure and adolescent heart rate variability: A longitudinal cohort study. Environmental Research, 2022, 205, 112551.	3.7	5
1609	The influence of early-life and adulthood stressors on brain neuropeptide-S system. Neuropeptides, 2022, 92, 102223.	0.9	1
1610	The Stressed Brain: Neural Underpinnings of Social Stress Processing in Humans. Current Topics in Behavioral Neurosciences, 2021, , 373-392.	0.8	4
1612	An Educational and Exercise Mobile Phoneâ€“Based Intervention to Elicit Electrophysiological Changes and to Improve Psychological Functioning in Adults With Nonspecific Chronic Low Back Pain (BackFit) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.8	6
1613	Heart Rate Measurement Using Non-invasive Sparse Signal Approach. , 2021, , .		1
1614	Relationships between geomagnetic ÐÑ€-indeÑ... and EEG parameters in patients with dysfunction of the neuroendocrine-immune complex. Journal of Education, Health and Sport, 2021, 11, 536-552.	0.0	0
1615	Evaluation of HRV from Repeated Measurements of PPG and Arterial Blood Pressure Signals. , 2021, , .		1
1617	Photoplethysmography Based Blood Pressure Monitoring Using the Senbiosys Ring. , 2021, 2021, 1609-1612.		3
1618	Associations between Heart Rate Variability and Brain Activity during a Working Memory Task: A Preliminary Electroencephalogram Study on Depression and Anxiety Disorder. Brain Sciences, 2022, 12, 172.	1.1	3
1620	PPG Signal Morphology-Based Method for Distinguishing Stress and Non-Stress Conditions. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2022, 26, 58-66.	0.5	5
1621	Heart rate and heart rate variability in patients with chronic inflammatory joint disease: the role of pain duration and the insular cortex. BMC Musculoskeletal Disorders, 2022, 23, 75.	0.8	1
1622	Comparative Analysis of Emotion Classification Based on Facial Expression and Physiological Signals Using Deep Learning. Applied Sciences (Switzerland), 2022, 12, 1286.	1.3	3
1623	Psychological Stress Level Detection Based on Heartbeat Mode. Applied Sciences (Switzerland), 2022, 12, 1409.	1.3	5

#	Article	IF	Citations
1624	Trait Mindfulness is Associated with Enhanced Autonomic Regulation of Opioid Cue Reactivity. Mindfulness, 2022, 13, 685-694.	1.6	3
1625	Trends in Daily Heart Rate Variability Fluctuations Are Associated with Longitudinal Changes in Stress and Somatisation in Police Officers. Healthcare (Switzerland), 2022, 10, 144.	1.0	4
1626	Comparison of the Cardiovascular Effects of Extreme Psychological and Physical Stress Tests in Male Soccer Players. International Journal of Environmental Research and Public Health, 2022, 19, 715.	1.2	3
1627	A Reasonable Officer: Examining the Relationships Among Stress, Training, and Performance in a Highly Realistic Lethal Force Scenario. Frontiers in Psychology, 2021, 12, 759132.	1.1	23
1628	Exploring physiologic reactions to persuasive information. Psychophysiology, 2022, 59, e14001.	1.2	3
1629	Enhancing cognitive restructuring with concurrent fMRI-guided neurostimulation for emotional dysregulationâ€“A randomized controlled trial. Journal of Affective Disorders, 2022, 301, 378-389.	2.0	8
1630	Expressions of shyness and theory of mind in children: A psychophysiological study. Cognitive Development, 2022, 61, 101138.	0.7	8
1631	Heart Rate Variability and Pain: A Systematic Review. Brain Sciences, 2022, 12, 153.	1.1	59
1632	IoT and Reality Mining for Real-Time Disease Prediction. EAI/Springer Innovations in Communication and Computing, 2022, , 85-102.	0.9	1
1633	The heart as judge: Association of heart rate variability with moral judgementâ€”A replication study. Biological Psychology, 2022, 169, 108284.	1.1	3
1634	A psychophysiological investigation of mourning: There are two sides to the story. Motivation and Emotion, 2022, 46, 276.	0.8	1
1635	Adverse childhood experiences (ACEs) relate to blunted cardiovascular and cortisol reactivity to acute laboratory stress: A systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2022, 134, 104530.	2.9	30
1636	Heightened autonomic reactivity to negative affective stimuli among active duty soldiers with PTSD and opioid-treated chronic pain. Psychiatry Research, 2022, 309, 114394.	1.7	6
1637	Stress Detection During Motor Activity: Comparing Neurophysiological Indices in Older Adults. IEEE Transactions on Affective Computing, 2023, 14, 2224-2237.	5.7	3
1639	Embodied Learning for Well-Being, Self-Awareness, and Stress Regulation: A Randomized Trial with Engineering Students Using a Mixed-Method Approach. Education Sciences, 2022, 12, 111.	1.4	5
1640	Metrics from Wearable Devices as Candidate Predictors of Antibody Response Following Vaccination against COVID-19: Data from the Second TemPredict Study. Vaccines, 2022, 10, 264.	2.1	16
1641	The relation of baseline respiratory sinus arrhythmia to problematic internet use: Impulsiveness and difficulties in emotion regulation matter. International Journal of Psychophysiology, 2022, , .	0.5	1
1642	Heart rate variability and slow-paced breathing:when coherence meets resonance. Neuroscience and Biobehavioral Reviews, 2022, 135, 104576.	2.9	54

#	Article	IF	Citations
1643	Endocannabinoids and Heart Rate Variability Alterations after Exposure to Prolonged Intensive Physical Exercise of the Hellenic Navy SEALs. International Journal of Environmental Research and Public Health, 2022, 19, 28.	1.2	4
1646	Rhythmicity in heart rate and its surges usher a special period of sleep, a likely home for PGO waves. Current Research in Physiology, 2022, 5, 118-141.	0.8	1
1647	Early Life Stress and Neurodevelopment in Adolescence: Implications for Risk and Adaptation. Current Topics in Behavioral Neurosciences, 2022, , 313-339.	0.8	5
1649	Effect of Resonance Breathing on Heart Rate Variability and Cognitive Functions in Young Adults: A Randomised Controlled Study. Cureus, 2022, 14, e22187.	0.2	1
1650	Predicting vasovagal reactions to a virtual blood donation using facial image analysis. Transfusion, 2022, 62, 838-847.	0.8	5
1652	Testâ€“retest reliability of heart-rate variability metrics in individuals with aphasia. Neuropsychological Rehabilitation, 2023, 33, 646-661.	1.0	1
1653	Acute Prenatal Hypoxia in Rats Affects Physiology and Brain Metabolism in the Offspring, Dependent on Sex and Gestational Age. International Journal of Molecular Sciences, 2022, 23, 2579.	1.8	8
1654	A Complex Combination Therapy for a Complex Diseaseâ€“Neuroimaging Evidence for the Effect of Music Therapy in Schizophrenia. Frontiers in Psychiatry, 2022, 13, 795344.	1.3	2
1655	Autism Spectrum Disorder in Children Is Not Associated With Abnormal Autonomic Nervous System Function: Hypothesis and Theory. Frontiers in Psychiatry, 2022, 13, 830234.	1.3	10
1656	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
1658	Approach motivation and loneliness: Individual differences and parasympathetic activity. Psychophysiology, 2022, 59, e14036.	1.2	5
1659	Brain-Heart Link in Schizophrenia: Cognitive Inhibitory Control Deficit in Patients Is Specifically Related to Parasympathetic Dysregulation. Schizophrenia Bulletin, 2022, 48, 1155-1163.	2.3	4
1660	Cognitive processing of a common stimulus synchronizes brains, hearts, and eyes. , 2022, 1, .		23
1661	Mind and body interventions in cardiology. Herz, 2022, 47, 103-109.	0.4	5
1662	People can identify the likely owner of heartbeats by looking at individualsâ€™ faces. Cortex, 2022, 151, 176-187.	1.1	9
1663	Flexibility Versus Routineness in Multimodal Health Indicators: A Sensor-based Longitudinal in Situ Study of Information Workers. ACM Transactions on Computing for Healthcare, 2022, 3, 1-27.	3.3	4
1664	Relationship Between the Onset of MÃ©niÃ¨re's Disease and Sympathetic Hyperactivity. Frontiers in Neurology, 2022, 13, 804777.	1.1	1
1665	The differential association between local neurotransmitter levels and wholeâ€brain restingâ€state functional connectivity in two distinct cingulate cortex subregions. Human Brain Mapping, 2022, 43, 2833-2844.	1.9	7

#	Article	IF	Citations
1666	Stress Management Intervention for Leaders Increases Nighttime SDANN: Results from a Randomized Controlled Trial. International Journal of Environmental Research and Public Health, 2022, 19, 3841.	1.2	3
1667	Effect of Probiotics Supplementation on Heart Rate: A Systematic Review and Meta-Analysis of Randomized Clinical Trials. Frontiers in Nutrition, 2022, 9, 829703.	1.6	0
1668	Feeling Safe and Nostalgia in Healthy Aging. Frontiers in Psychology, 2022, 13, 843051.	1.1	4
1669	Impact of repetitive negative thinking on reactivity and recovery from physiological stress in clinical and non-clinical individuals. Journal of Affective Disorders Reports, 2022, 8, 100338.	0.9	1
1670	Functional assessment of bidirectional cortical and peripheral neural control on heartbeat dynamics: A brain-heart study on thermal stress. NeuroImage, 2022, 251, 119023.	2.1	28
1671	Relationships between geomagnetic ÐÑ€-indeÑ... and HRV and endocrine parameters in patients with dysfunction of the neuroendocrine-immune complex. Journal of Education, Health and Sport, 2021, 11, 295-303.	0.0	0
1672	PPG-Based Respiratory Rate Monitoring Using Hybrid Vote-Aggregate Fusion Technique. , 2021, 2021, 1605-1608.		2
1673	A novel method of evaluating changes in intrinsic motivation during cognitive rehabilitation. , 2021, 2021, 2095-2099.		2
1674	Association between distinct coping styles and heart rate variability changes to an acute psychosocial stress task. Scientific Reports, 2021, 11, 24025.	1.6	5
1675	Cumulative risks predict epigenetic age in adult survivors of extremely low birth weight. Developmental Psychobiology, 2021, 63, e22222.	0.9	4
1676	Interpretable AI Model-Based Predictions of ECG changes in COVID-recovered patients. , 2021, , .		2
1678	Relationships between geomagnetic ÐÑ€-indeÑ... and parameters of the acupuncture points as well as neuroendocrine-immune complex in patients with its dysfunction. Journal of Education, Health and Sport, 2021, 11, 405-432.	0.0	0
1679	Correlates of interpersonal emotion regulation problems in Loss of Control eating (LOC) in youth: study protocol of the combined online and App based questionnaire, laboratory and randomized controlled online intervention i-BEAT trial. BMC Psychology, 2021, 9, 193.	0.9	5
1682	The influence of emotion regulation on the association between depression and heart rate variability in cardiac patients. Psychosomatic Medicine, 2022, Publish Ahead of Print, .	1.3	2
1683	Emotion dysregulation and heart rate variability improve in US veterans undergoing treatment for posttraumatic stress disorder: Secondary exploratory analyses from a randomised controlled trial. BMC Psychiatry, 2022, 22, 268.	1.1	4
1684	Parasympathetic cardiac control during attentional focus and worry in major depressive disorder. International Journal of Psychophysiology, 2022, 177, 1-10.	0.5	1
1708	Pulling the Trigger: The Effect of a 5-Minute Slow Diaphragmatic Breathing Intervention on Psychophysiological Stress Responses and Pressurized Pistol Shooting Performance. Journal of Sport and Exercise Psychology, 2022, 44, 206-219.	0.7	4
1709	Possibilities of Proteomics Profiling in Predicting Dysfunction of the Cardiovascular System. Frontiers in Physiology, 2022, 13, 897694.	1.3	1

#	Article	IF	Citations
1711	Effect of behavioral activation on time and frequency domain heart rate variability in older adults with subthreshold depression: a cluster randomized controlled trial in Thailand. BMC Psychiatry, 2022, 22, 319.	1.1	3
1712	Higher Resting Cardiovagal Activity Predicts Larger Decrease of Depressive Symptoms in Inpatients Treated for Stress-Related Depression. Journal of Psychophysiology, 0, , .	0.3	0
1713	Presentation and Evaluation of a Manual for Heart Rate Variability Biofeedback in Somatic Symptom Disorder. Verhaltenstherapie, 2022, 32, 199-208.	0.3	2
1714	Open-Label Placebo Administration Decreases Pain in Elderly Patients With Symptomatic Knee Osteoarthritis â€“ A Randomized Controlled Trial. Frontiers in Psychiatry, 2022, 13, .	1.3	7
1716	Parent and child selfâ€•and coâ€•regulation during pediatric venipuncture: Exploring heart rate variability and the effects of a mindfulness intervention. Developmental Psychobiology, 2022, 64, .	0.9	1
1717	Gut Microbiome as a Mediator of Stress Resilience: A Reactive Scope Model Framework. Integrative and Comparative Biology, 2022, 62, 41-57.	0.9	7
1718	Non-invasive Vagus Nerve Stimulation in Treatment of Disorders of Consciousness â€“ Longitudinal Case Study. Frontiers in Neuroscience, 2022, 16, .	1.4	14
1719	Real-time realizable mobile imaging photoplethysmography. Scientific Reports, 2022, 12, 7141.	1.6	3
1720	The role of the autonomic nervous system in cerebral blood flow regulation in dementia: A review. Autonomic Neuroscience: Basic and Clinical, 2022, 240, 102985.	1.4	14
1721	Impact of match-induced pressure on HRV of junior tennis players. Physiology and Behavior, 2022, 252, 113836.	1.0	6
1722	Higher heart rate variability predicts better affective interaction quality in nonâ€•intimate social interactions. Psychophysiology, 2022, 59, e14084.	1.2	1
1724	The impact of a violent community on mental health and the benefits of a sport program for social development. Journal of Community Psychology, 2023, 51, 51-66.	1.0	0
1725	The effects of noninvasive brain stimulation on heart rate and heart rate variability: A systematic review and metaâ€•analysis. Journal of Neuroscience Research, 2022, 100, 1664-1694.	1.3	19
1726	Cardiac sympathetic-vagal activity initiates a functional brainâ€“body response to emotional arousal. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119599119.	3.3	55
1727	Relationship Between Esophageal Motility Disorders and Autonomic Nervous System in Diabetic Patients: Pilot North African Study. American Journal of Men's Health, 2022, 16, 155798832210985.	0.7	2
1728	Managing anxiety disorders with the neuro-biofeedback method of Brain Boy Universal Professional. Health Psychology Research, 2022, 10, .	0.6	1
1729	Negative mood induction effects on problem-solving task in women with eating disorders: a multi-method examination. Journal of Eating Disorders, 2022, 10, .	1.3	2
1730	Normal bilirubinemia downregulates the power spectral density of the Î, and Î” rhythm, instead upregulates the Î² rhythm and sympatho-vagal balance in adults humans. Journal of Education, Health and Sport, 2022, 12, 454-472.	0.0	0

#	Article	IF	Citations
1731	Human factors in digitalized process operations. Methods in Chemical Process Safety, 2022, , 417-459.	0.5	2
1732	La funzione vagale: un link fra psiche, cervello e corpo. Pnei Review, 2022, , 20-37.	0.1	0
1734	Heart-brain synchronization breakdown in Parkinsonâ€™s disease. Npj Parkinson's Disease, 2022, 8, .	2.5	1
1735	Extruded Wheat Bran Consumption Increases Serum Short-Chain Fatty Acids but Does Not Modulate Psychobiological Functions in Healthy Men: A Randomized, Placebo-Controlled Trial. Frontiers in Nutrition, 2022, 9, .	1.6	9
1737	Contrasting Associations Between Heart Rate Variability and Brainstem-Limbic Connectivity in Posttraumatic Stress Disorder and Its Dissociative Subtype: A Pilot Study. Frontiers in Behavioral Neuroscience, 0, 16, .	1.0	3
1738	Autonomic central coupling during daytime sleep differs between older and younger people. Neurobiology of Learning and Memory, 2022, 193, 107646.	1.0	0
1739	Autonomic Dysregulation in Child Social Anxiety Disorder: An Experimental Design Using CBT Treatment. Applied Psychophysiology Biofeedback, 2022, 47, 199-212.	1.0	2
1740	Inhibitory Control and Brainâ€“Heart Interaction: An HRV-EEG Study. Brain Sciences, 2022, 12, 740.	1.1	5
1742	Accurate Detection of Doppler Cardiograms With a Parameterized Respiratory Filter Technique Using a K-Band Radar Sensor. IEEE Transactions on Microwave Theory and Techniques, 2023, 71, 71-82.	2.9	14
1743	Psycho-Cardiac Distress Symptoms of Dyadic Communication Apprehension & The Role of Self-Esteem. Communication Research, 2023, 50, 993-1018.	3.9	0
1744	Wearable Flexible Electronics Based Cardiac Electrode for Researcher Mental Stress Detection System Using Machine Learning Models on Single Lead Electrocardiogram Signal. Biosensors, 2022, 12, 427.	2.3	33
1745	Nature-Based Relaxation Videos and Their Effect on Heart Rate Variability. Frontiers in Psychology, 0, 13, .	1.1	6
1746	Determining the direction of prediction of the association between parasympathetic dysregulation and exhaustion symptoms. Scientific Reports, 2022, 12, .	1.6	5
1747	The effects of acute yoga practice on heart rate and heart rate variability responses to mental stress. International Journal of Sport and Exercise Psychology, 2023, 21, 660-672.	1.1	2
1748	â€œThe Wandering Nerve Linking Heart and Mindâ€•â€“ The Complementary Role of Transcutaneous Vagus Nerve Stimulation in Modulating Neuro-Cardiovascular and Cognitive Performance. Frontiers in Neuroscience, 0, 16, .	1.4	9
1749	Corporeal rehabilitation to manage acute stress in critically ill patients. Annals of Intensive Care, 2022, 12, .	2.2	0
1750	Characterizing cardiac autonomic dynamics of fear learning in humans. Psychophysiology, 2022, 59, .	1.2	47
1751	Effects of two mindfulness based interventions on the distinct phases of the stress response across different physiological systems. Biological Psychology, 2022, 172, 108384.	1.1	9

#	Article	IF	Citations
1752	Early indicators of vulnerability to depression: The role of rumination and heart rate variability. Journal of Affective Disorders, 2022, 312, 217-224.	2.0	8
1753	Prefrontal cortex oxygenation and autonomic nervous system activity under transcutaneous auricular vagus nerve stimulation in adolescents. Autonomic Neuroscience: Basic and Clinical, 2022, 241, 103008.	1.4	9
1754	Cardiovascular reactivity during sadness induction predicts inhibitory control performance. Physiology and Behavior, 2022, 254, 113869.	1.0	3
1755	Defining Objective Measures of Physician Stress in Simulated Critical Communication Encounters. , 2022, 4, e0721.		0
1756	Impact of Basketball Match on the Pre-Competitive Anxiety and HRV of Youth Female Players. International Journal of Environmental Research and Public Health, 2022, 19, 7894.	1.2	2
1757	The Role of Depressive Disorders in Autonomic Cardiovascular Dysregulation in Fibromyalgia. Psychosomatic Medicine, 0, Publish Ahead of Print, .	1.3	0
1758	Association of Cardiovascular Risk Markers and Fitness with Task-Related Neural Activity during Animacy Perception. Medicine and Science in Sports and Exercise, 2022, 54, 1738-1750.	0.2	2
1760	Efficacy of New Mindfulness-Based Swinging Technique Intervention: A Pilot Randomised Controlled Trial Among Women With Breast Cancer. Frontiers in Psychology, 0, 13, .	1.1	1
1761	The Wither or Thrive Model of Resilience: an Integrative Framework of Dynamic Vulnerability and Resilience in the Face of Repeated Stressors During the COVID-19 Pandemic. Adversity and Resilience Science, 2022, 3, 261-282.	1.2	7
1762	Attentional and Behavioral Disengagement as Coping Responses to Technostress and Financial Stress: An Experiment Based on Psychophysiological, Perceptual, and Behavioral Data. Frontiers in Neuroscience, 0, 16, .	1.4	1
1763	Resting Heart Rate Variability, Perceived Emotion Regulation, and Low-Risk Drug Use in College-Aged Adults: Gender as a Moderator. Frontiers in Psychiatry, 0, 13, .	1.3	0
1764	A scoping review of heart rate variability in sport and exercise psychology. International Review of Sport and Exercise Psychology, 0, , 1-75.	3.1	22
1765	Assessing the Relationship Between Emotional States of Dogs and Their Human Handlers, Using Simultaneous Behavioral and Cardiac Measures. Frontiers in Veterinary Science, 0, 9, .	0.9	0
1766	Stress Management in Pre- and Postoperative Care Amongst Practitioners and Patients in Cardiac Catheterization Laboratory: A Study Protocol. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	3
1767	Analyzing the inconsistency in driving patterns between manual and autonomous modes under complex driving scenarios with a VR-enabled simulation platform. Journal of Intelligent and Connected Vehicles, 2022, 5, 215-234.	3.6	11
1768	Comprehensive HRV estimation pipeline in Python using Neurokit2: Application to sleep physiology. MethodsX, 2022, 9, 101782.	0.7	5
1769	Does an increase in physiological indexes predict better cognitive performance: the PhyCog randomised cross-over protocol in type 2 diabetes. BMJ Open, 2022, 12, e060057.	0.8	1
1770	Unveiling the heart of young offenders: Testing the tripartite model of affect regulation in community and forensic male adolescents. Journal of Criminal Justice, 2022, 82, 101970.	1.5	4

#	Article	IF	Citations
1771	The heart to make the right choice: Vagal (re)activity and recovery predict advantageous decision-making. Physiology and Behavior, 2022, 254, 113911.	1.0	0
1772	Thermal discomfort in the workplace: measurement through the combined use of wearable sensors and machine learning algorithms. , 2022, , .		2
1773	Impairments in Physiological Reactivity to Emotive Stimuli After Traumatic Brain Injury: A Systematic Review of Skin Conductance and Heart Rate Variability Evidence. Journal of Head Trauma Rehabilitation, 0, Publish Ahead of Print, .	1.0	1
1775	Psychophysiological mechanisms underlying the potential health benefits of human-dog interactions: A systematic literature review. International Journal of Psychophysiology, 2022, 180, 27-48.	0.5	5
1776	Longitudinal association of early childhood lead exposure and adolescent heart rate variability: influence of parental education. Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis, 2022, 40, 133-153.	0.4	0
1777	Heart rate variability predicts outcome of shortâ€term psychotherapy at the workplace. Psychophysiology, 0, , .	1.2	5
1778	The Effect of Expertise during Simulated Flight Emergencies on the Autonomic Response and Operative Performance in Military Pilots. International Journal of Environmental Research and Public Health, 2022, 19, 9141.	1.2	4
1779	â€œDo you feel like becoming a leader?â€•Emotions and the likelihood of self-nomination for leadership. Leadership Quarterly, 2022, , 101643.	3.6	1
1780	Recovery After Stressâ€"Autonomic and Subjective Arousal in Individuals With Psychosis Compared to Healthy Controls. Schizophrenia Bulletin, 2022, 48, 1373-1383.	2.3	2
1781	Meta-Analysis and Systematic Review of Resting-State High-Frequency Heart Rate Variability in Binge-Eating Disorder. Journal of Psychophysiology, 0, , .	0.3	1
1782	Depressive rumination and heart rate variability: A pilot study on the effect of biofeedback on rumination and its physiological concomitants. Frontiers in Psychiatry, 0, 13, .	1.3	0
1783	Assessing Electroencephalography as a Stress Indicator: A VR High-Altitude Scenario Monitored through EEG and ECG. Sensors, 2022, 22, 5792.	2.1	9
1784	Decreased sympathetic cardiovascular influences and hormoneâ€physiological changes in response to Covidâ€19â€related adaptations under different learning environments. Anatomical Sciences Education, 2022, 15, 811-826.	2.5	7
1785	Two Routes to Status, One Route to Health: Trait Dominance and Prestige Differentially Associate with Self-reported Stress and Health in Two US University Populations. Adaptive Human Behavior and Physiology, 0, , .	0.6	0
1786	Emotion Regulation, Parasympathetic Function, and Psychological Well-Being. Frontiers in Psychology, 0, 13, .	1.1	6
1787	The Associations Among Parent Anxiety, Emotion Regulation, and Parenting Behaviors. Journal of Child and Family Studies, 2022, 31, 2618-2630.	0.7	3
1788	Sympathetic Vagal Balance and Cognitive Performance in Young Adults during the NIH Cognitive Test. Journal of Functional Morphology and Kinesiology, 2022, 7, 59.	1.1	2
1789	Heart Rate Variabilityâ€"An Index of the Efficacy of Complementary Therapies in Irritable Bowel Syndrome: A Systematic Review. Nutrients, 2022, 14, 3447.	1.7	4

#	Article	IF	Citations
1790	Unraveling the cognitive correlates of heart rate variability with the drift diffusion model. International Journal of Psychophysiology, 2022, , .	0.5	3
1791	High Perceived Stress is Associated With Increased Risk of Ulcerative Colitis Clinical Flares. Clinical Gastroenterology and Hepatology, 2023, 21, 741-749.e3.	2.4	10
1793	High-frequency variability in heart rate is related to COVID-19-associated worries six years later. Biological Psychology, 2022, 173, 108404.	1.1	5
1794	Does heart rate variability predict better executive functioning? A systematic review and meta-analysis. Cortex, 2022, 155, 218-236.	1.1	21
1795	Major depressive disorder at adolescent age is associated with impaired cardiovascular autonomic regulation and vasculature functioning. International Journal of Psychophysiology, 2022, 181, 14-22.	0.5	7
1796	Identifying uncertainty states during wayfinding in indoor environments: An EEG classification study. Advanced Engineering Informatics, 2022, 54, 101718.	4.0	10
1797	Psychological Inflexibility and HF-HRV reactivity to laboratory stressors. Journal of Contextual Behavioral Science, 2022, 26, 134-138.	1.3	0
1798	Physiological measures of bicyclistsâ€™ subjective experiences: A scoping review. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 90, 365-381.	1.8	9
1799	Heart rate variability (HRV) changes and cortical volume changes in a randomized trial of five weeks of daily HRV biofeedback in younger and older adults. International Journal of Psychophysiology, 2022, 181, 50-63.	0.5	14
1800	Autonomic regulation during sleep in PTSD. Neurobiology of Stress, 2022, 21, 100483.	1.9	1
1801	Pre-partum HRV as a predictor of postpartum depression: The potential use of a smartphone application for physiological recordings. Journal of Affective Disorders, 2022, 319, 172-180.	2.0	4
1802	Sensor fusion for the accurate non-invasive measurement of blood pressure. Measurement: Sensors, 2022, 24, 100481.	1.3	0
1803	Brain-heart interactions in the neurobiology of consciousness. Current Research in Neurobiology, 2022, 3, 100050.	1.1	30
1804	Perceived Workload Using Separate (FFPR Respirator and Face Shield) and PAPR (Powered Air Purifying) Tj ETQq1 1 0.784314 rgBT /O Feasibility Protocol (Preprint). JMIR Research Protocols, 0, , .	0.5	0
1805	Effect of selective sleep deprivation on heart rate variability in post-90s healthy volunteers. Mathematical Biosciences and Engineering, 2022, 19, 13851-13860.	1.0	1
1806	Real-time miscarriage prediction: A comprehensive real-world dataset and a new model. Procedia Computer Science, 2022, 203, 763-768.	1.2	1
1807	Pandemic Stress from COVID-19: Psychosomatic Support for New Forms of Adaptation. Psychology, 2022, 13, 1081-1114.	0.3	0
1808	Dynamic coupling between the central and autonomic cardiac nervous systems in patients with refractory epilepsy: A pilot study. Frontiers in Neurology, 0, 13, .	1.1	2

#	Article	IF	Citations
1809	A longitudinal investigation of the influence of psychological factors on nausea and vomiting in early pregnancy. Archives of Women's Mental Health, 2022, 25, 995-1004.	1.2	1
1810	Effects of a Randomised Trial of 5-Week Heart Rate Variability Biofeedback Intervention on Cognitive Function: Possible Benefits for Inhibitory Control. Applied Psychophysiology Biofeedback, 2023, 48, 35-48.	1.0	3
1811	Moving-Target Intelligent Tutoring System for Marksmanship Training. International Journal of Artificial Intelligence in Education, 0, , .	3.9	0
1812	Electrodermal Activity and Heart Rate Variability During Exposure Fear Scripts Predict Trait-Level and Momentary Social Anxiety and Eating-Disorder Symptoms in an Analogue Sample. Clinical Psychological Science, 2023, 11, 134-148.	2.4	2
1813	Personal mental health navigator: Harnessing the power of data, personal models, and health cybernetics to promote psychological well-being. Frontiers in Digital Health, 0, 4, .	1.5	5
1814	Heart Rate Variability and Laboratory-Based Loss-of-Control Eating in Children and Adolescents. Nutrients, 2022, 14, 4027.	1.7	2
1815	Effects of pre-exercise H2 inhalation on physical fatigue and related prefrontal cortex activation during and after high-intensity exercise. Frontiers in Physiology, 0, 13, .	1.3	4
1816	Strokeâ€“Heart Syndrome: Recent Advances and Challenges. Journal of the American Heart Association, 2022, 11, .	1.6	35
1817	Pilot examination of stress, heart rate variability, and alcohol craving and use among female veterans. Frontiers in Psychiatry, 0, 13, .	1.3	0
1818	Objective stress values during radiation emergency medicine for future human resources: Findings from a survey of nurses. PLoS ONE, 2022, 17, e0274482.	1.1	1
1819	Resting respiratory sinus arrhythmia is related to emotion reactivity to social-evaluative stress. Journal of Affective Disorders, 2023, 320, 725-734.	2.0	0
1820	Association between opioid use disorder and blunted heart rate variability among opioidâ€treated chronic pain patients. Addiction Biology, 2022, 27, .	1.4	1
1821	Increasing coordination and responsivity of emotion-related brain regions with a heart rate variability biofeedback randomized trial. Cognitive, Affective and Behavioral Neuroscience, 2023, 23, 66-83.	1.0	16
1822	Modulation of the autonomic nervous system by one session of spinal low-level laser therapy in patients with chronic colonic motility dysfunction. Frontiers in Neuroscience, 0, 16, .	1.4	4
1823	The Effects of Alpha-Glycerylphosphorylcholine on Heart Rate Variability and Hemodynamic Variables Following Sprint Interval Exercise in Overweight and Obese Women. Nutrients, 2022, 14, 3970.	1.7	2
1824	Does heart rate variability reflect brain plasticity as a likely mechanism of adaptation to space mission?. Frontiers in Space Technologies, 0, 3, .	0.8	1
1825	The Effect of Heart Rate Variability Biofeedback Training on Vagal Tone in Athletically Talented Secondary School Students. Sports, 2022, 10, 146.	0.7	0
1826	The effects of dynamic and static stretching exercises performed to elite wrestlers after high intensity exercise on heart rate variability. Science and Sports, 2023, 38, 2-11.	0.2	1

#	Article	IF	Citations
1827	Relationship between occupational stress injury score and simulated patient-care scenario performance among experienced paramedics. Work, 2022, 73, 1347-1358.	0.6	0
1828	Central autonomic network alterations in male endurance athletes. Scientific Reports, 2022, 12, .	1.6	2
1830	The role of arousal and motivation in emotional conflict resolution: Implications for spinal cord injury. Frontiers in Human Neuroscience, 0, 16, .	1.0	1
1831	A Biomarker-Based Model to Assist the Identification of Stress in Health Workers Involved in Coping with COVID-19. Springer Series on Bio- and Neurosystems, 2022, , 485-500.	0.2	0
1832	Measured and Perceived Exercise Intensity During the Performance of Single-Task, Cognitive-Motor Dual-Task, and Exergame Training: Transversal Study. JMIR Serious Games, 0, 11, e36126.	1.7	0
1833	Detecting Anxiety Trends Using Wearable Sensor Data inÂReal-World Situations. Lecture Notes in Computer Science, 2022, , 107-117.	1.0	0
1834	Comparing a Fitbit Wearable to an Electrocardiogram Gold Standard as a Measure of Heart Rate Under Psychological Stress: A Validation Study. JMIR Formative Research, 2022, 6, e37885.	0.7	4
1835	Neuromodulation Applied to Diseases: The Case of HRV Biofeedback. Journal of Clinical Medicine, 2022, 11, 5927.	1.0	12
1836	Women have a greater cardiac vagal withdrawal to heat stress compared to men. Temperature, 2023, 10, 444-453.	1.7	0
1837	Heart rate variability in the prediction of mortality: A systematic review and meta-analysis of healthy and patient populations. Neuroscience and Biobehavioral Reviews, 2022, 143, 104907.	2.9	34
1838	Blood pressure variability and plasma Alzheimerâ€™s disease biomarkers in older adults. Scientific Reports, 2022, 12, .	1.6	4
1839	Night shifts in interns: Effects of daytime napping on autonomic activity and cognitive function. Frontiers in Public Health, 0, 10, .	1.3	1
1841	Understanding the roles of central and autonomic activity during sleep in the improvement of working memory and episodic memory. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	6
1842	Momentary feelings of safety are associated with attenuated cardiac activity in daily life: Preliminary evidence from an ecological momentary assessment study. International Journal of Psychophysiology, 2022, 182, 231-239.	0.5	4
1843	The central autonomic system revisited â€“ Convergent evidence for a regulatory role of the insular and midcingulate cortex from neuroimaging meta-analyses. Neuroscience and Biobehavioral Reviews, 2022, 142, 104915.	2.9	13
1844	Two-dimensional and three-dimensional multiple object tracking learning performance in adolescent female soccer players: The role of flow experience reflected by heart rate variability. Physiology and Behavior, 2023, 258, 114009.	1.0	1
1845	Sexâ€specific associations between cardiovascular risk factors and physical function: the Gambian Bone and Muscle Ageing Study. Journal of Cachexia, Sarcopenia and Muscle, 2023, 14, 84-92.	2.9	3
1846	Biophysiological stress and sleep deprivation among abdominal transplant surgery fellows: A prospective multi-institutional study using a wearable device. American Journal of Surgery, 2023, 225, 962-966.	0.9	5

#	Article	IF	Citations
1847	Vagus activation by Cold Face Test reduces acute psychosocial stress responses. Scientific Reports, 2022, 12, .	1.6	4
1848	Relaxing Effects of Breathing Pseudotsuga menziesii and Lavandula angustifolia Essential Oils on Psychophysiological Status in Older Adults. International Journal of Environmental Research and Public Health, 2022, 19, 15251.	1.2	3
1849	Long-term effects of multiple concussions on prefrontal cortex oxygenation during neurovascular coupling activation in retired male contact sport athletes. Current Research in Physiology, 2022, 5, 421-428.	0.8	1
1850	Design science and neuroscience: A systematic review of the emergent field of Design Neurocognition. Design Studies, 2023, 84, 101148.	1.9	5
1851	A recent suicide attempt and the heartbeat: Electrophysiological findings from a trans-diagnostic cohort of patients and healthy controls. Journal of Psychiatric Research, 2023, 157, 257-263.	1.5	3
1852	Cardiac biosignal in confined nuclear submarine patrol: Heart rate variability a marker of adaptation. Acta Astronautica, 2023, 203, 469-482.	1.7	2
1853	The short term adaptation of the autonomic nervous systems (ANS) by type of urban environment and ethnicity. Environmental Research, 2023, 218, 114929.	3.7	0
1854	BRIKKER TIL EN EVOLUTIONÃ†R NEUROSOCIAL TEORI OM STRESS. , 2013, 34, 24.		0
1855	New Measurement Analysis for Emotion Detection Using ECG Data. Lecture Notes in Information Systems and Organisation, 2022, , 219-227.	0.4	0
1856	Lifestyle Assessment of Large Scale Population using Repose - A Heart Rate Variability based Lifestyle Assessment Platform. , 2022, , .		1
1857	Advances in brain-heart syndrome: Attention to cardiac complications after ischemic stroke. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	8
1858	Relation of Young Children's Parasympathetic Reactivity During a Learning Task to Their Selfâ€Regulation and Early Academic Skills. Mind, Brain, and Education, 0, , .	0.9	0
1859	The influence of breathing techniques on physical sport performance: a systematic review and meta-analysis. International Review of Sport and Exercise Psychology, 0, , 1-56.	3.1	5
1860	The impact of winning or losing a padel match on heart rate variability. International Journal of Sports Science and Coaching, 0, , 174795412211400.	0.7	1
1861	Individual and situational predictors of psychological and physiological stress and burnout among maternity providers in Northern Ghana. PLoS ONE, 2022, 17, e0278457.	1.1	4
1862	In-ear infrasonic hemodynography with a digital health device for cardiovascular monitoring using the human audiome. Npj Digital Medicine, 2022, 5, .	5.7	1
1863	Sarcopenia and decline in appendicular skeletal muscle mass are associated with hypoperfusion in key hubs of central autonomic network on <scp>3DSRT</scp> in older adults with progression of normal cognition to Alzheimer's disease. Geriatrics and Gerontology International, 2023, 23, 16-24.	0.7	5
1864	Emotion regulation and the salience network: a hypothetical integrative model of fibromyalgia. Nature Reviews Rheumatology, 2023, 19, 44-60.	3.5	22

#	Article	IF	Citations
1865	A rationale for considering heart/brain axis control in neuropsychiatric disease. Mammalian Genome, 2023, 34, 331-350.	1.0	3
1866	Mind your heart to bear the weight: Cardiac interoception predicts action-related visual perception when wearing a heavy backpack. Quarterly Journal of Experimental Psychology, 2023, 76, 2232-2240.	0.6	0
1867	Prediction of Health Problems Using Deep Learning Images and Bio-Signals. Applied Sciences (Switzerland), 2022, 12, 12457.	1.3	0
1868	Stress, subjective wellbeing and self-knowledge in higher education teachers: A pilot study through bodyfulness approaches. PLoS ONE, 2022, 17, e0278372.	1.1	2
1869	A metaâ€analysis of motherâ€“child synchrony in respiratory sinus arrhythmia and contextual risk. Developmental Psychobiology, 2023, 65, .	0.9	3
1870	â€œWeâ€™ve Got Thisâ€: Middle-Aged and Older Couplesâ€™ Satisfying Relationships and We-Talk Promote Better Physiological, Relational, and Emotional Responses to Conflict. Psychosomatic Medicine, 2023, 85, 154-164.	1.3	1
1871	Anodal high-definition transcranial direct current stimulation reduces heart rate and modulates heart-rate variability in healthy young people: A randomized cross-controlled trial. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	5
1872	Vagus Nerve Stimulation: A Personalized Therapeutic Approach for Crohnâ€™s and Other Inflammatory Bowel Diseases. Cells, 2022, 11, 4103.	1.8	10
1873	Biopsychosocial Response to the COVID-19 Lockdown in People with Major Depressive Disorder and Multiple Sclerosis. Journal of Clinical Medicine, 2022, 11, 7163.	1.0	5
1874	Cognitive assessment in patients treated by immunotherapy: the prospective Cog-Immuno trial. BMC Cancer, 2022, 22, .	1.1	2
1875	Prefrontally modulated vagal neuroimmunomodulation is associated with telomere length. Frontiers in Neuroscience, 0, 16, .	1.4	1
1876	Validity and reliability of shortâ€term heartâ€rate variability from disposable electrocardiography leads. Health Science Reports, 2023, 6, .	0.6	3
1877	Heart Rate Variability in Elite International ITF Junior Davis Cup Tennis Players. Biology, 2023, 12, 17.	1.3	1
1878	Role of Oxidative Stress and Inflammation in Insomnia Sleep Disorder and Cardiovascular Diseases: Herbal Antioxidants and Anti-inflammatory Coupled with Insomnia Detection using Machine Learning. Current Pharmaceutical Design, 2022, 28, 3618-3636.	0.9	16
1879	Beyond tingles: An exploratory qualitative study of the Autonomous Sensory Meridian Response (ASMR). PLoS ONE, 2022, 17, e0277962.	1.1	2
1880	Understanding the needs of children who are known to have experienced neglect in the first years of life: The potential effects of early adversity on later self-regulation skills and school functioning. , 2019, 43, 9-19.		1
1881	Better forbearance, lower depression: Evidence based on heart rate variability. Frontiers in Psychology, 0, 13, .	1.1	0
1882	Effects of neuromodulation on cognitive and emotional responses to psychosocial stressors in healthy humans. Neurobiology of Stress, 2023, 22, 100515.	1.9	4

#	Article	IF	Citations
1883	A paradigm shift in translational psychiatry through rodent neuroethology. Molecular Psychiatry, 2023, 28, 993-1003.	4.1	24
1884	Does Wearable-Measured Heart Rate Variability During Sleep Predict Perceived Morning Mental and Physical Fitness?. Applied Psychophysiology Biofeedback, 2023, 48, 247-257.	1.0	1
1885	The impact of sociality and affective valence on brain activation: A meta-analysis. NeuroImage, 2023, 268, 119879.	2.1	3
1886	Augmented Reality in Maintenance: A Review of the State-of-the-Art and Future Challenges. Springer Handbooks, 2023, , 575-595.	0.3	2
1887	Resting-state heart rate variability after stressful events as a measure of stress tolerance among elite performers. Frontiers in Physiology, 0, 13, .	1.3	0
1888	Reducing decision-making deficits in patients with brain injury: effect of slow-paced breathing. Applied Neuropsychology Adult, 0, , 1-10.	0.7	0
1889	Exposure to a Virtual Reality Mass-Casualty Simulation Elicits a Differential Sympathetic Response in Medical Trainees and Attending Physicians. Prehospital and Disaster Medicine, 2023, 38, 48-56.	0.7	3
1890	Prolonged microgravity induces reversible and persistent changes on human cerebral connectivity. Communications Biology, 2023, 6, .	2.0	3
1891	At the heart of change: Differences in young offendersâ€™ HRV patterns after the delivery of the PSYCHOPATHY.COMP program. Frontiers in Psychiatry, 0, 13, .	1.3	2
1892	Experimental Investigation of the Influence of Positive Emotion Dysregulation on Risky Behavior Following Idiographic Emotion Inductions. Clinical Psychological Science, 2023, 11, 490-508.	2.4	2
1894	Neurophysiological and emotional influences on team communication and metacognitive cyber situational awareness during a cyber engineering exercise. Frontiers in Human Neuroscience, 0, 16, .	1.0	5
1895	Study of HRV Parameters for Detection of Stress using Machine Learning. , 2022, , .		0
1896	Triad multisystem phenotype with high risk for developing temporomandibular disordersâ€"characteristics and potential pathophysiology results from the Orofacial Pain: Prospective Evaluation and Risk Assessment dataset. Pain, 2023, 164, 1027-1038.	2.0	1
1897	Clustering Stress Reactivity based on Heart Rate Variability During Acute Mental Stress Task. , 2022, , .		1
1899	The Order of Inclusion of Circulatory System Regulation Circuits in Adaptation Mechanisms during Simulation of Microgravity Effects via 5-Day Dry Immersion. Human Physiology, 2022, 48, 717-723.	0.1	0
1901	Wearable-Measured Sleep and Resting Heart Rate Variability as an Outcome of and Predictor for Subjective Stress Measures: A Multiple N-of-1 Observational Study. Sensors, 2023, 23, 332.	2.1	1
1904	A frontotemporal dementia-like case after high-altitude climbing. Egyptian Journal of Neurology, Psychiatry and Neurosurgery, 2023, 59, .	0.4	1
1905	Changes in Medial Prefrontal Cortex Mediate Effects of Heart Rate Variability Biofeedback on Positive Emotional Memory Biases. Applied Psychophysiology Biofeedback, 2023, 48, 135-147.	1.0	5

#	Article	IF	Citations
1907	Brief repeated virtual nature contact for three weeks boosts university students' nature connectedness and psychological and physiological health during the COVID-19 pandemic: A pilot study. Frontiers in Public Health, 0, 10, .	1.3	2
1909	Resting Heart Rate Variability and Emotion Dysregulation in Adolescents with Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2024, 54, 1482-1493.	1.7	10
1910	Telepractice in the Treatment of Speech and Voice Disorders: What Could the Future Look Like?. Perspectives of the ASHA Special Interest Groups, 2023, 8, 418-423.	0.4	3
1911	Face your heart: resting vagally mediated Heart Rate Variability Shapes Social Attributions from facial appearance. Current Psychology, 2024, 43, 1855-1863.	1.7	0
1912	Emotional experiences of service robotsâ€™ anthropomorphic appearance: a multimodal measurement method. Ergonomics, 2023, 66, 2039-2057.	1.1	1
1913	Autonomic Correlates of Letter Cancelation Task: What the Attention Load May Evoke?. Journal of Attention Disorders, 2023, 27, 1027-1034.	1.5	1
1914	Updating the relationship of the Ne/ERN to task-related behavior: A brief review and suggestions for future research. Frontiers in Human Neuroscience, 0, 17, .	1.0	3
1915	Cardiorespiratory changes associated with micro-arousals during naps. Neurobiology of Sleep and Circadian Rhythms, 2023, 14, 100093.	1.4	1
1916	Generalizable machine learning for stress monitoring from wearable devices: A systematic literature review. International Journal of Medical Informatics, 2023, 173, 105026.	1.6	21
1917	Virtual reality-based analysis of the effect of construction noise exposure on masonry work productivity. Automation in Construction, 2023, 150, 104844.	4.8	3
1918	An investigation of effects of a non-repetitive preferred music on physiological responses amongst a group of chronic tinnitus patients. Biomedical Signal Processing and Control, 2023, 85, 104890.	3.5	0
1919	Interactive teaching enhances students' physiological arousal during online learning. Annals of Anatomy, 2023, 247, 152050.	1.0	5
1920	Neuroimaging Studies of the Neural Correlates of Heart Rate Variability: A Systematic Review. Journal of Clinical Medicine, 2023, 12, 1016.	1.0	8
1921	Momentary gustative-olfactory sensitivity and tonic heart rate variability are independently associated with motivational behavior. International Journal of Psychophysiology, 2023, 186, 1-9.	0.5	0
1922	Complexity and Entropy in Physiological Signals (CEPS): Resonance Breathing Rate Assessed Using Measures of Fractal Dimension, Heart Rate Asymmetry and Permutation Entropy. Entropy, 2023, 25, 301.	1.1	2
1923	Cross Dataset Analysis for Generalizability of HRV-Based Stress Detection Models. Sensors, 2023, 23, 1807.	2.1	2
1924	Biomarkers in the Rat Hippocampus and Peripheral Blood for an Early Stage of Mental Disorders Induced by Water Immersion Stress. International Journal of Molecular Sciences, 2023, 24, 3153.	1.8	0
1925	Preliminary findings of emotion regulation in 12â€monthâ€old infants of mothers enrolled in a randomized controlled trial assessing a nutritionÂ+Âexercise intervention. Developmental Psychobiology, 2023, 65, .	0.9	0

#	Article	IF	Citations
1926	Anti-ganglionic acetylcholine receptor antibodies in functional neurological symptom disorder/conversion disorder. Frontiers in Neurology, 0, 14, .	1.1	3
1927	Construction noise effects on human health: Evidence from physiological measures. Sustainable Cities and Society, 2023, 91, 104470.	5.1	11
1928	Autonomic nervous system and endocrine system response to upper and lower cervical spine mobilization in healthy male adults: a randomized crossover trial. Journal of Manual and Manipulative Therapy, 2023, 31, 421-434.	0.7	1
1929	Anxiety in a regular day of work: A 24 hour psychophysiological investigation in young dentists with gender comparison. Frontiers in Psychology, 0, 14, .	1.1	2
1930	Associations between Autonomic Function and Cognitive Performance among Patients with Cerebral Small Vessel Disease. Brain Sciences, 2023, 13, 344.	1.1	3
1931	Predicting Vasovagal Reactions to Needles from Facial Action Units. Journal of Clinical Medicine, 2023, 12, 1644.	1.0	0
1932	Acute stress reduces attentional blindness: Relations with resting respiratory sinus arrhythmia and cortisol. Quarterly Journal of Experimental Psychology, 0, , 174702182311596.	0.6	0
1933	The moderating role of attachment in the association between physiological synchrony in married couples and supportive behavior in the transition to parenthood. Psychophysiology, 2023, 60, .	1.2	1
1934	Central control of cardiac activity as assessed by intra-cerebral recordings and stimulations. Neurophysiologie Clinique, 2023, 53, 102849.	1.0	3
1935	Autonomic, Immune, Metabolic, and Neuroendocrine Dimensions of Anorexia Nervosa: An Integrative View. Masterclass in Neuroendocrinology, 2023, , 343-378.	0.1	0
1936	The long-term impact of early adverse experience on adaptive functioning: a pilot study integrating measures of mental status, nonverbal communication, and heart rate variability. European Journal of Psychotraumatology, 2023, 14, .	0.9	0
1937	Diurnal variation of cardiac autonomic activity in adolescent non-suicidal self-injury. European Archives of Psychiatry and Clinical Neuroscience, 2024, 274, 609-628.	1.8	4
1938	Does Being Ignored on WhatsApp Hurt? A Pilot Study on the Effect of a Newly Developed Ostracism Task for Adolescents. Journal of Clinical Medicine, 2023, 12, 2056.	1.0	4
1939	The effects of a 6-hour ultra-endurance run on postexercise parasympathetic reactivation responses. Journal of Sports Medicine and Physical Fitness, 0, , .	0.4	0
1940	Can vitamin D status influence the effect of stress on planning and problem-solving? A randomized control trial. Food and Nutrition Research, 0, 67, .	1.2	0
1941	Methods for Heart Rate Variability Biofeedback (HRVB): A Systematic Review and Guidelines. Applied Psychophysiology Biofeedback, 2023, 48, 275-297.	1.0	12
1942	Beliefs in Regulating Negative Emotions and Vagally-Mediated Heart-Rate Variability. Does Sex Make a Difference?. Psychosomatic Medicine, 0, Publish Ahead of Print, .	1.3	1
1943	Exploring different computational methods for the High-Frequency band of HRV to capture information related to RSA. Biomedical Signal Processing and Control, 2023, 84, 104802.	3.5	0

#	Article	IF	Citations
1945	Dynamic changes in the central autonomic network of patients with anorexia nervosa. European Journal of Neuroscience, 2023, 57, 1597-1610.	1.2	1
1946	Does anxiety explain why math-anxious people underperform in math?. Npj Science of Learning, 2023, 8, .	1.5	3
1947	The Psychophysiology of Self-Compassion. Mindfulness in Behavioral Health, 2023, , 291-307.	0.2	1
1948	Self-Compassion and Positive Aging. Mindfulness in Behavioral Health, 2023, , 109-127.	0.2	0
1949	Toward a smart health: big data analytics and IoT for real-time miscarriage prediction. Journal of Big Data, 2023, 10, .	6.9	2
1950	No effects on heart rate variability in depression after treatment with dorsomedial prefrontal intermittent theta burst stimulation. Upsala Journal of Medical Sciences, 0, 128, .	0.4	1
1952	A Digital Mental Health App Incorporating Wearable Biosensing for Teachers of Children on the Autism Spectrum to Support Emotion Regulation: Protocol for a Pilot Randomized Controlled Trial. JMIR Research Protocols, 0, 12, e45852.	0.5	0
1953	Non-wearable pulse rate measurement system using laser Doppler flowmetry with algorithm to eliminate body motion artifacts for masked palm civet (Parguma larvata) during husbandry training. Japanese Journal of Applied Physics, 2023, 62, SG1047.	0.8	0
1954	The Potential of Heart Rate Variability Monitoring for Mental Health Assessment in Top Wheel Gymnastics Athletes: A Single Case Design. Applied Psychophysiology Biofeedback, 2023, 48, 335-343.	1.0	1
1955	Connection of Dried Blood Spot Proteomic Composition Dynamics and Heart Rate Variability in 3-day Female Dry Immersion. Microgravity Science and Technology, 2023, 35, .	0.7	1
1956	Response Inhibition Partially Mediates the Relationship Between Emotional States and Creative Divergent Thinking. Creativity Research Journal, 2023, 35, 596-613.	1.7	4
1958	Effectiveness of emotion regulation strategies measured by self-report and EMG as a result of strategy used, negative emotion strength and participantsâ€™ baseline HRV. Scientific Reports, 2023, 13, .	1.6	2
1959	Heart Rate Variability Indexes in Schizophrenia. , 2023, , 1-9.		0
2005	Aspergerâ€™s syndrome intervention: combining neurofeedback, biofeedback, and metacognition. , 2023, , 343-374.		0
2020	Heart Rate Variability Indexes in Schizophrenia. , 2023, , 889-897.		0
2027	Development of a Real-Time Stress Detection System for Older Adults with Heart Rate Data. , 2023, , .		0
2031	Smartwatch-derived Acoustic Markers for Deficits in Cognitively Relevant Everyday Functioning. , 2023, , .		0
2055	Children exposed to ACE. , 2023, , 207-242.		0

#	Article	IF	Citations
2062	Psychobiological assessments. , 2023, , .		0
2063	Heart Rate Variability as a Biomarker for Electrical Vagus Nerve Stimulation. Neuromethods, 2024, , 51-67.	0.2	0
2088	Autonomic Nervous System Functioning in ADHD. Autism and Child Psychopathology Series, 2023, , 37-75.	0.1	0
2094	Pilots' Perceived Workload and Flight Performance while Interacting with Touchscreen Inceptor during Instrument Landings. , 2023, , .		0
2100	Applying Touchscreen as Flight Control Inceptor: Investigating the Perceived Workload of Interacting with Sidestick and Touchscreen Inceptors. Lecture Notes in Computer Science, 2023, , 508-519.	1.0	0
2105	Towards Enhanced Well-Being: Monitoring Stress and Health with Smart Sensor Systems. , 2023, , .		1
2117	The Concept of Allostasis and Autonomic Regulation in Space Flight. Human Physiology, 2023, 49, 699-708.	0.1	0
2124	Cognitive Inhibition in the Classroom. , 2023, , 243-266.		0
2150	Central regulation of the heart. , 2024, , .		0
2158	Social Co-regulation of the Autonomic Nervous System Between Infants and Their Caregivers. , 2024, , 169-183.		0