

# CITATION REPORT

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The insular cortex and cardiovascular system: a new insight into the brain-heart axis

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239	Brain systems for baroreflex suppression during stress in humans. <b>2012</b> , 33, 1700-16		109
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232	The association of cardiac vagal control and executive functioning--findings from the MIDUS study. <b>2013</b> , 47, 628-35		40
231	Neural correlates of tinnitus related distress: an fMRI-study. <b>2013</b> , 295, 87-99		74

230	Association between monosodium glutamate intake and sleep-disordered breathing among Chinese adults with normal body weight. <b>2013</b> , 29, 508-13	6
229	Fat-free body mass but not fat mass is associated with reduced gray matter volume of cortical brain regions implicated in autonomic and homeostatic regulation. <b>2013</b> , 64, 712-21	38
228	Managing Traumatic Brain Injury: Appropriate Assessment and a Rationale for Using Neurofeedback and Biofeedback to Enhance Recovery in Postconcussion Syndrome. <b>2013</b> , 41, 158-173	6
227	Proceedings of the Anaesthetic Research Society Meeting. <b>2013</b> , 110, 860P-885P	4
226	Reduced regional gray matter volume in patients with chronic obstructive pulmonary disease: a voxel-based morphometry study. <b>2013</b> , 34, 334-9	42
225	Cardiac Dysautonomia in Huntington's Disease. <b>2013</b> , 2, 251-61	27
224	Both $\alpha$ - and $\beta$ -adrenoceptors in the insular cortex are involved in the cardiovascular responses to acute restraint stress in rats. <b>2014</b> , 9, e83900	8
223	Isolated insular strokes and plasma MR-proANP levels are associated with newly diagnosed atrial fibrillation: a pilot study. <b>2014</b> , 9, e92421	13
222	Cardiac Manifestations of Acute Neurologic Lesions. <b>2014</b> , 183-198	1
221	Sympathetic dysfunction in vasovagal syncope and the postural orthostatic tachycardia syndrome. <b>2014</b> , 5, 280	29
220	Recommendations for the management of cerebral and cerebellar infarction with swelling: a statement for healthcare professionals from the American Heart Association/American Stroke Association. <b>2014</b> , 45, 1222-38	305
219	Highlights in clinical autonomic neurosciences: Brain volume and autonomic regulation. <b>2014</b> , 183, 4-7	2
218	Brain-heart crosstalk: the many faces of stress-related cardiomyopathy syndromes in anaesthesia and intensive care. <b>2014</b> , 112, 803-15	50
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216	Intracranial pressure and cerebrovascular autoregulation in pediatric critical illness. <b>2014</b> , 21, 255-62	9
215	Neural control of the heart: recent concepts and clinical correlations. <b>2014</b> , 83, 261-71	102
214	CNS-disease affecting the heart: brain-heart disorders. <b>2014</b> , 345, 8-14	47
213	Evidence for brainstem network disruption in temporal lobe epilepsy and sudden unexplained death in epilepsy. <b>2014</b> , 5, 208-16	90

212	Cerebral impairment in heart failure. <b>2014</b> , 11, 321-9		18
211	Causes of death among persons who survive an acute ischemic stroke. <b>2014</b> , 14, 467		16
210	Right insular atrophy in neurocardiogenic syncope: a volumetric MRI study. <b>2014</b> , 35, 113-8		16
209	HEART RATE AND ANTISOCIAL BEHAVIOR: THE MEDIATING ROLE OF IMPULSIVE SENSATION SEEKING. <b>2014</b> , 52, 292-311		71
208	Muerte neurocardíaca. Revisión y claves de futuro. <b>2014</b> , 40, 54-58		
207	Autonomic Dysfunction in Patients with Mild to Moderate Alzheimer's Disease. <b>2015</b> , 47, 681-9		24
206	Effects of Stroke on the Autonomic Nervous System. <b>2015</b> , 5, 1241-63		48
205	Gray matter blood flow and volume are reduced in association with white matter hyperintensity lesion burden: a cross-sectional MRI study. <i>Frontiers in Aging Neuroscience</i> , <b>2015</b> , 7, 131	53	34
204	Autonomic dysfunction syndromes after acute brain injury. <b>2015</b> , 128, 539-51		20
203	Combining LORETA Z-Score Neurofeedback with Heart Rate Variability Training. <b>2015</b> , 159-188		
202	New insights on the role of the insular cortex and habenula in OSA. <b>2015</b> , 19, 1347-53		9
201	Correlation between baseline blood pressure and the brainstem fMRI response to isometric forearm contraction in human volunteers: a pilot study. <b>2015</b> , 29, 449-55		6
200	Cardiovascular and single-unit responses to L-glutamate injection into the posterior insular cortex in rat. <b>2015</b> , 306, 63-73		2
199	Autonomic dysfunction in acute ischemic stroke: an underexplored therapeutic area?. <b>2015</b> , 348, 24-34		68
198	Treatment of malignant brain edema and increased intracranial pressure after stroke. <b>2015</b> , 17, 327		20
197	Brain activity and perceived exertion during cycling exercise: an fMRI study. <b>2015</b> , 49, 556-60		50
196	Transcranial direct current stimulation improves the QT variability index and autonomic cardiac control in healthy subjects older than 60 years. <b>2016</b> , 11, 1687-1695		20
195	A Hybrid Signal Processing of RR Intervals from QTc Variation Searching Arrhythmia and Improving Heart Rate Variability Assessment in Acute Large Artery Ischemic Stroke. <b>2016</b> , 2016, 9823026		1

194	What Impact does An Angry Context have Upon Us? The Effect of Anger on Functional Connectivity of the Right Insula and Superior Temporal Gyri. <b>2016</b> , 10, 109	12
193	Sex Differences in Insular Cortex Gyri Responses to the Valsalva Maneuver. <b>2016</b> , 7, 87	16
192	The Brain Mechanisms Underlying the Perception of Pungent Taste of Capsaicin and the Subsequent Autonomic Responses. <b>2015</b> , 9, 720	6
191	Sudden Bradycardia and Hypotension in Neurosurgery: Trigemino-cardiac Reflex (TCR) and More. <b>2016</b> , 28, 175-6	5
190	The Right Insular Cortex: A Critical Region for Modulating the Parasympathetic Activity?. <b>2016</b> , 28, 176	4
189	Autonomic Nervous System Responses to Insula Tumor Resection: A Reply to Nagai and Colleagues. <b>2016</b> , 28, 176-7	
188	Effects of Insula Resection on Autonomic Nervous System Activity. <b>2016</b> , 28, 153-8	31
187	CASE RECORDS of the MASSACHUSETTS GENERAL HOSPITAL. Case 10-2016. A 22-Year-Old Man with Sickle Cell Disease, Headache, and Difficulty Speaking. <b>2016</b> , 374, 1265-75	3
186	Brain-heart interactions: physiology and clinical implications. <b>2016</b> , 374,	86
185	Sensitivity of the resting-state haemodynamic response function estimation to autonomic nervous system fluctuations. <b>2016</b> , 374,	18
184	Combining electroencephalographic activity and instantaneous heart rate for assessing brain-heart dynamics during visual emotional elicitation in healthy subjects. <b>2016</b> , 374,	61
183	Uncovering brain-heart information through advanced signal and image processing. <b>2016</b> , 374,	26
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181	Late-Life Vascular Risk Factors and Alzheimer Disease Neuropathology in Individuals with Normal Cognition. <b>2016</b> , 75, 955-962	18
180	The pathophysiology of cardiac dysfunction in epilepsy. <b>2016</b> , 127, 19-29	56
179	Emotional Stress as a Risk for Hypertension in Sub-Saharan Africans: Are We Ignoring the Odds?. <b>2017</b> , 956, 497-510	5
178	Resting high frequency heart rate variability selectively predicts cooperative behavior. <b>2016</b> , 164, 417-28	30
177	Adolescent neurobiological susceptibility to social context. <b>2016</b> , 19, 1-18	107

176	Central autonomic nervous system response to autonomic challenges is altered in patients with a previous episode of Takotsubo cardiomyopathy. <b>2016</b> , 5, 152-63	11
175	Nesfatin-1: a new energy-regulating peptide with pleiotropic functions. Implications at cardiovascular level. <b>2016</b> , 52, 11-29	16
174	The Insula: A "Hub of Activity" in Migraine. <b>2016</b> , 22, 632-652	76
173	Attention deficit-hyperactivity disorder is associated with reduced blood pressure and serum vitamin D levels: results from the nationwide German Health Interview and Examination Survey for Children and Adolescents (KiGGS). <b>2017</b> , 26, 165-175	19
172	Letter by Nagai et al Regarding Article, "Takotsubo-Like Myocardial Dysfunction in Ischemic Stroke: A Hospital-Based Registry and Systematic Literature Review". <b>2017</b> , 48, e74	1
171	Hemodynamic and autonomic responses after a single session of resistance exercise following anodal motor cortex tDCS. <b>2017</b> , 25, 113-120	2
170	The role of autonomic nervous system in susceptibility and resilience to stress. <b>2017</b> , 14, 102-107	5
169	The right insular cortex infarction: a critical factor for mortality?. <b>2017</b> , 24, e11	2
168	Neurocardiology. <b>2017</b> , 140, 49-65	15
167	Stroke in right dorsal anterior insular cortex Is related to myocardial injury. <b>2017</b> , 81, 502-511	50
166	[Interaction between heart and brain in sudden cardiac death]. <b>2017</b> , 42, 171-175	2
165	Experimental dyspnea as a stressor: differential cardiovegetative responses to inspiratory threshold loading in healthy men and women. <b>2017</b> , 123, 205-212	4
164	A review of human neuroimaging investigations involved with central autonomic regulation of baroreflex-mediated cardiovascular control. <b>2017</b> , 207, 10-21	21
163	Compensatory functional reorganization may precede hypertension-related brain damage and cognitive decline: a functional magnetic resonance imaging study. <b>2017</b> , 35, 1252-1262	15
162	Visit-to-Visit Blood Pressure Variability and Alzheimer's Disease: Links and Risks. <b>2017</b> , 59, 515-526	32
161	The effect of therapeutic hypothermia on heart rate variability. <b>2017</b> , 37, 679-683	9
160	Cardiovascular and autonomic reactivity to psychological stress: Neurophysiological substrates and links to cardiovascular disease. <b>2017</b> , 207, 2-9	62
159	The utility of serial echocardiograms for organ procurement in brain death. <b>2017</b> , 31, e13094	9

158	Evidence that remodeling of insular cortex neurovascular unit contributes to hypertension-related sympathoexcitation. <b>2017</b> , 5, e13156	7
157	Bidirectional asymmetry in the neurovisceral communication for the cardiovascular control: New insights. <b>2017</b> , 51, 157-167	4
156	Neural correlates of heart rate variability in PTSD during sub- and supraliminal processing of trauma-related cues. <b>2017</b> , 38, 4898-4907	17
155	Sex differences in insular cortex gyri responses to a brief static handgrip challenge. <b>2017</b> , 8, 13	8
154	A Pilot Study of the Effects of Mindfulness-Based Stress Reduction on Post-traumatic Stress Disorder Symptoms and Brain Response to Traumatic Reminders of Combat in Operation Enduring Freedom/Operation Iraqi Freedom Combat Veterans with Post-traumatic Stress Disorder. <b>2017</b> , 8, 157	45
153	Hyperacute Simultaneous Cardiocerebral Infarction: Rescuing the Brain or the Heart First?. <b>2017</b> , 8, 664	20
152	A Review of Neurogenic Stunned Myocardium. <b>2017</b> , 2017, 5842182	29
151	Neurocardiology: Cardiovascular Changes and Specific Brain Region Infarcts. <b>2017</b> , 2017, 5646348	11
150	Blood Pressure Variability in Acute Ischemic Stroke: Influence of Infarct Location in the Insular Cortex. <b>2018</b> , 79, 90-99	13
149	Heart rate variability associated with grey matter volumes in striatal and limbic structures of the central autonomic network. <b>2018</b> , 1681, 14-20	26
148	Age-related changes in baroreflex sensitivity and cardiac autonomic tone in children mirrored by regional brain gray matter volume trajectories. <b>2018</b> , 83, 498-505	8
147	Right Insular Cortex Ischemia Caused by Middle Cerebral Artery Occlusion: A Possible Pathogenesis of Decreased Sympathetic Nervous System Activity?. <b>2018</b> , 23, 197	1
146	Neurogenic stress cardiomyopathy: What do we need to know. <b>2018</b> , 21, 228-234	15
145	Letter to the Editor Regarding "Autonomic Function in Insular Glioma: An Exploratory Study". <b>2018</b> , 119, 461	
144	The Relationship between Blood Pressure Variability, Recanalization Degree, and Clinical Outcome in Large Vessel Occlusive Stroke after an Intra-Arterial Thrombectomy. <b>2018</b> , 46, 279-286	19
143	Physiological Responses in Heart Rate with Classical Music. <b>2018</b> ,	0
142	Neural Mechanisms Linking Emotion with Cardiovascular Disease. <b>2018</b> , 20, 128	23
141	Non-invasive vagus nerve stimulation significantly improves quality of life in patients with persistent postural-perceptual dizziness. <b>2018</b> , 265, 63-69	24

140	Uncovering the neural circuitry involved in the stress-attenuation effects of chewing. <b>2018</b> , 54, 118-126	3
139	QTc interval in takotsubo cardiomyopathy: How the activation of insular cortex interacts. <b>2018</b> , 41, 885	
138	Brain Correlates of Mental Stress-Induced Myocardial Ischemia. <b>2018</b> , 80, 515-525	38
137	Insular cortex lesion and autonomic instability in a herpes simplex virus encephalitis patient. <b>2018</b> , 24, 649-651	10
136	Brainstem network disruption: A pathway to sudden unexplained death in epilepsy?. <b>2018</b> , 39, 4820-4830	50
135	[Acute diseases of the brain and heart : A reciprocal culprit-victim relationship]. <b>2018</b> , 113, 456-463	0
134	Central command in heart failure: was there effect of hemispheric lateralization in insular cortex activation?. <b>2018</b> , 20, 1370	2
133	Common Genetic Variants Link the Abnormalities in the Gut-Brain Axis in Prematurity and Autism. <b>2019</b> , 18, 255-265	11
132	Management of Refractory Arrhythmias in the Neurocritical Care Unit. <b>2019</b> , 335-350	
131	Elevation of high-sensitivity cardiac troponin T at admission is associated with increased 3-month mortality in acute ischemic stroke patients treated with thrombolysis. <b>2019</b> , 42, 881-888	6
130	QT interval prolongation in patients with acute ischemic stroke: a report in northwest China. <b>2019</b> , 47, 5986-5995	2
129	Blood Pressure Variability and Progression of Clinical Alzheimer Disease. <i>Hypertension</i> , <b>2019</b> , 74, 1172-1180	37
128	Postexercise blood pressure and autonomic responses after aerobic exercise following anodal tDCS applied over the medial prefrontal cortex. <b>2019</b> , 711, 134444	2
127	The right insular cortex: A critical region for modulating the sympathetic activity?. <b>2019</b> , 99, 106468	1
126	Altered Central Autonomic Network in Baseball Players: A Resting-state fMRI Study. <i>Scientific Reports</i> , <b>2019</b> , 9, 110	4-9 6
125	Takotsubo cardiomyopathy and neurogenic pulmonary edema after carotid endarterectomy. <b>2019</b> , 124, 157-157	6
124	Cardiac dysautonomia in depression - heart rate variability biofeedback as a potential add-on therapy. <b>2019</b> , 15, 1287-1310	17
123	Letter to the Editor Regarding "Takotsubo Cardiomyopathy and Neurogenic Pulmonary Edema After Carotid Endarterectomy". <b>2019</b> , 126, 696	



122	Early childhood trauma alters neurological responses to mental stress in patients with coronary artery disease. <i>Journal of Affective Disorders</i> , <b>2019</b> , 254, 49-58	6.6	14
121	Food Cue Reactivity and the Brain-Heart Axis During Cognitive Stress Following Clinically Relevant Weight Loss. <b>2018</b> , 5, 135		
120	Transcriptomic Characterization of the Human Insular Cortex and Claustrum. <b>2019</b> , 13, 94		3
119	Neuro-arrhythmology: a challenging field of action and research: a review from the Task Force of Neuro-arrhythmology of Italian Association of Arrhythmias and Cardiac Pacing. <b>2019</b> , 20, 731-744		8
118	Resting regional brain activity and connectivity vary with resting blood pressure but not muscle sympathetic nerve activity in normotensive humans: An exploratory study. <b>2019</b> , 39, 2433-2444		3
117	Sudden unexpected death in epilepsy: The neuro-cardio-respiratory connection. <b>2019</b> , 64, 65-73		42
116	Aberrant left insular cortex response: A possible pathogenesis of reduced vagal nervous system activity in heart failure?-Reply. <i>Journal of Neuroscience Research</i> , <b>2019</b> , 97, 114-115	4.4	
115	Autonomic Disturbances in Acute Cerebrovascular Disease. <b>2019</b> , 35, 133-144		10
114	Brain mechanisms of stress and depression in coronary artery disease. <b>2019</b> , 109, 76-88		11
113	Kardiologische Aspekte bei Patienten mit hirnorganischen Anfallsleiden. <b>2019</b> , 129-140		
112	Does the Magnitude of the Electrocardiogram QT Interval Dispersion Predict Stroke Outcome?. <b>2019</b> , 28, 44-48		4
111	Brain correlates of stress-induced peripheral vasoconstriction in patients with cardiovascular disease. <b>2019</b> , 56, e13291		18
110	Aberrant left insular cortex response: A possible pathogenesis of reduced vagal nervous system activity in heart failure?. <i>Journal of Neuroscience Research</i> , <b>2019</b> , 97, 112-113	4.4	
109	Cerebrovascular blood oxygenation level dependent pulsatility at baseline and following acute exercise among healthy adolescents. <b>2019</b> , 39, 1737-1749		8
108	One season of head-to-ball impact exposure alters functional connectivity in a central autonomic network. <b>2020</b> , 223, 117306		2
107	Crosstalk between brain, lung and heart in critical care. <b>2020</b> , 39, 519-530		10
106	A capital role for the brain's insula in the diverse fibromyalgia-associated symptoms. <b>2020</b> , 143, 110077		2
105	Complexity of heart rate variability during moral judgement of actions and omissions. <b>2020</b> , 6, e05394		1

104	Neurogenic pulmonary edema following acute stroke: The progress and perspective. <b>2020</b> , 130, 110478	5
103	The Insular Cortex, Alzheimer Disease Pathology, and Their Effects on Blood Pressure Variability. <b>2020</b> , 34, 282-291	9
102	Long-Term Blood Pressure Variability Across the Clinical and Biomarker Spectrum of Alzheimer's Disease. <b>2020</b> , 77, 1655-1669	8
101	Abnormal Dispersion of Ventricular Repolarization as a Risk Factor in Patients with Human Immunodeficiency Virus: Tp-e Interval, Tp-e/QTc Ratio. <b>2020</b> , 29, 544-550	2
100	Investigation of the Effect of HATCH Score and Coronary Artery Disease Complexity on Atrial Fibrillation after On-Pump Coronary Artery Bypass Graft Surgery. <b>2021</b> , 30, 45-51	7
99	Increased Catecholamine Levels and Inflammatory Mediators Alter Barrier Properties of Brain Microvascular Endothelial Cells. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 73	5-4 11
98	Brain and Heart Crosstalk. <b>2020</b> ,	0
97	Uncovering complex central autonomic networks at rest: a functional magnetic resonance imaging study on complex cardiovascular oscillations. <b>2020</b> , 17, 20190878	23
96	Association of Heart Rate Variability With Cognitive Performance: The Multi-Ethnic Study of Atherosclerosis. <b>2020</b> , 9, e013827	9
95	Statin Pretreatment Might Be Associated with Decreased Myocardial Injury After Ischemic Stroke. <b>2020</b> , 29, 104697	1
94	Isolated Insular Stroke: Clinical Presentation. <b>2020</b> , 49, 10-18	2
93	Changes in autonomic nervous function and influencing factors in a rat insular cortex electrical kindling model. <b>2020</b> , 721, 134782	0
92	Spatiotemporal dynamics of auditory information processing in the insular cortex: an intracranial EEG study using an oddball paradigm. <b>2020</b> , 225, 1537-1559	5
91	Linking Pain Sensation to the Autonomic Nervous System: The Role of the Anterior Cingulate and Periaqueductal Gray Resting-State Networks. <b>2020</b> , 14, 147	13
90	Brain-Heart Axis and Biomarkers of Cardiac Damage and Dysfunction after Stroke: A Systematic Review and Meta-Analysis. <b>2020</b> , 21,	3
89	Right insular cortex atrophy in Takotsubo syndrome: a possible pathogenesis of increased sympathetic nervous system activity?. <b>2021</b> , 110, 601-602	1
88	Takotsubo Cardiomyopathy-Navigating the Challenges of Diagnosis and Management in Heart Transplantation. <b>2021</b> , 35, 944-950	2
87	The insular cortex as a vestibular area in relation to autonomic function. <i>Clinical Autonomic Research</i> , <b>2021</b> , 31, 179-185	4-3 2

86	Autonomic response after hemorrhagic stroke in the right insular cortex: What is the common pathophysiology in rat and human?. <b>2021</b> , 230, 102755		1
85	Anterior Insular Resting-State Functional Connectivity is Related to Cognitive Reserve in Multiple Sclerosis. <b>2021</b> , 31, 98-102		4
84	Brainstem network connectivity with mid-anterior insula predicts lower systolic blood pressure at rest in older adults with hypertension. <b>2021</b> , 35, 1098-1108		0
83	[A case of neurogenic pulmonary edema due to left internal carotid artery occlusion]. <b>2021</b> , 61, 29-32		
82	Heart rate and heart rate variability in patients with chronic inflammatory joint disease: The role of pain duration and the insular cortex.		
81	BHI Physiology at a Glance. <b>2021</b> , 3-19		0
80	The Complementary and Alternative Medicine for Polycystic Ovary Syndrome: A Review of Clinical Application and Mechanism. <b>2021</b> , 2021, 5555315		4
79	Refractory hypotension in post-operative setting with raised intracranial pressure: insula at play?. <b>2021</b> , 1-4		0
78	The Mysterious Island: Insula and Its Dual Function in Sleep and Wakefulness. <i>Frontiers in Systems Neuroscience</i> , <b>2020</b> , 14, 592660	3.5	1
77	Insular functional organization during handgrip in females and males with obstructive sleep apnea. <b>2021</b> , 16, e0246368		0
76	Cardiovascular autonomic dysfunction after stroke. <b>2021</b> , 42, 1751-1758		4
75	Cerebral blood flow changes during aging process and in cognitive disorders: A review. <b>2021</b> , 34, 300-307		4
74	Salivary flow rate and the risk of cognitive impairment among Korean elders: a cross-sectional study. <b>2021</b> , 21, 245		1
73	Characterization of the Insular Role in Cardiac Function through Intracranial Electrical Stimulation of the Human Insula. <b>2021</b> , 89, 1172-1180		7
72	A mid-ventricular variant of Takotsubo syndrome: was it triggered by insular cortex damage?. <b>2021</b> , 8, 3408-3412		3
71	Systematic Review of the Neural Effect of Electroconvulsive Therapy in Patients with Schizophrenia: Hippocampus and Insula as the Key Regions of Modulation. <b>2021</b> , 18, 486-499		1
70	Heartbeat evoked potentials (HEP) capture brain activity affecting subsequent heartbeat. <b>2021</b> , 68, 102731		0
69	Tachycardia evoked from insular stroke in rats is dependent on glutamatergic neurotransmission in the dorsomedial hypothalamus. <b>2021</b> , 28, 3640-3649		3

68	Oxygen Metabolism-induced Stress Response Underlies Heart-brain Interaction Governing Human Consciousness-breaking and Attention. <b>2021</b> , 1		1
67	Alamandine but not angiotensin-(1-7) produces cardiovascular effects at the rostral insular cortex. <b>2021</b> , 321, R513-R521		3
66	Visit-to-visit blood pressure variability and regional cerebral perfusion decline in older adults. <b>2021</b> , 105, 57-63		6
65	Association Between Blood Pressure Variability With Dementia and Cognitive Impairment: A Systematic Review and Meta-Analysis. <i>Hypertension</i> , <b>2021</b> , 78, 1478-1489	8.5	6
64	The intracranial Windkessel implies arteriovenous pulsatile coupling increased by venous resistances. <b>2022</b> , 71, 103092		2
63	Is the left insular cortex associated with the exaggerated activity in the parasympathetic nervous system?. <b>2021</b> , 6, 129		
62	Evaluation of the Impact of Short Duration Music Listening on Autonomic State (Preprint).		
61	Disruption of the Microbiota-Gut-Brain (MGB) Axis and Mental Health of Astronauts During Long-Term Space Travel. <b>2019</b> , 1-22		1
60	Robust reproducible resting state networks in the awake rodent brain. <b>2011</b> , 6, e25701		94
59	Coronary heart disease and cortical thickness, gray matter and white matter lesion volumes on MRI. <b>2014</b> , 9, e109250		9
58	[The influence of growing seizure readiness on the autonomic regulation of the heart]. <i>Zhurnal Nevrologii I Psikhiiatrii Imeni S S Korsakova</i> , <b>2017</b> , 117, 45-49	0.4	1
57	Head Rules Over the Heart: Cardiac Manifestations of Cerebral Disorders. <b>2019</b> , 23, 329-335		11
56	Treating Postconcussion Syndrome with LORETA Z-Score Neurofeedback and Heart Rate Variability Biofeedback: Neuroanatomical/Neurophysiological Rationale, Methods, and Case Examples. <b>2015</b> , 43, 15-26		8
55	Dynamic Causal Modeling of Effective Connectivity During Anger Experience in Healthy Young Men: 7T Magnetic Resonance Imaging Study. <b>2019</b> , 15, 52-62		7
54	Dexamethasone attenuates the modulatory effect of the insular cortex on the baroreflex in anesthetized rat. <b>2021</b> ,		
53	HEART CONDUCTION AND RHYTHM DISORDERS IN IKTAL EPILEPSY PERIOD: THE PREVALENCE AND PREDICTORS. <b>2018</b> , 26-31		0
52	Co-Existing Hypertension in Neurosurgery. <b>2019</b> , 235-252		
51	The personalised diagnosis program of functional maladjustment of the human organism. <b>2019</b> ,		

50	Diagnosis and Management of Hemispheric Infarction. <b>2019</b> , 543-546		
49	[Post-meningitis Dumping Syndrome: A Case Report and Literature Review]. <b>2020</b> , 75, 347-350		
48	Evaluation of the Impact of Short Duration Music Listening on Autonomic State (Preprint).		
47	Vascular Risk Factors and Cognitive Function. <b>2020</b> , 953-972		
46	The BrainHeart Crosstalk. <b>2020</b> , 103-130		
45	Cardiac Complications in Neurocritical Care Patients. <i>Current Clinical Neurology</i> , <b>2020</b> , 49-56	0.1	
44	Vascular Risk Factors and Cognitive Function. <b>2020</b> , 1-21		
43	Oxidative Stress in Takotsubo Syndrome-Is It Essential for an Acute Attack? Indirect Evidences Support Multisite Impact Including the Calcium Overload-Energy Failure Hypothesis. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 732708	5.4	2
42	Etiology Mechanism of Sudden Death Derived from Brain. <b>2021</b> , 37-47		
41	Rapidly changing tachyarrhythmia in acute stroke. <i>Basic and Clinical Neuroscience</i> , <b>2013</b> , 4, 169-71	1.4	5
40	Cortical infarction of the right parietal lobe and neurogenic heart disease: A report of three cases. <i>Neural Regeneration Research</i> , <b>2012</b> , 7, 943-7	4.5	2
39	Integration of multimodal neuroimaging methods: a rationale for clinical applications of simultaneous EEG-fMRI. <i>Functional Neurology</i> , <b>2015</b> , 30, 9-20	2.2	12
38	Disorders of the Autonomic Nervous System after Hemispheric Cerebrovascular Disorders: An Update. <i>Journal of Vascular and Interventional Neurology</i> , <b>2015</b> , 8, 43-52	1.3	28
37	Takotsubo Syndrome versus Neurogenic Stunned Myocardium. <i>Mdica</i> , <b>2020</b> , 15, 288-296		1
36	Visit-to-visit blood pressure variability in mild cognitive impairment: A possible marker of Alzheimer's disease in the SPRINT study?. <i>Journal of Clinical Hypertension</i> , <b>2021</b> , 23, 2129	2.3	2
35	Disruption of the Microbiota-Gut-Brain (MGB) Axis and Mental Health of Astronauts During Long-Term Space Travel. <b>2022</b> , 1415-1436		
34	Central Nervous System Management of Autonomic Cardiovascular Control. <b>2021</b> , 1-27		
33	Association of blood pressure with brain structure in youth with and without bipolar disorder.. <i>Journal of Affective Disorders</i> , <b>2021</b> , 299, 666-674	6.6	0

32	Clinical correlates and prognostic impact of neurologic disorders in Takotsubo syndrome. <i>Scientific Reports</i> , <b>2021</b> , 11, 23555	4.9	1
31	Heart rate and heart rate variability in patients with chronic inflammatory joint disease: the role of pain duration and the insular cortex.. <i>BMC Musculoskeletal Disorders</i> , <b>2022</b> , 23, 75	2.8	1
30	Sex Hormone-Specific Neuroanatomy of Takotsubo Syndrome: Is the Insular Cortex a Moderator?. <i>Biomolecules</i> , <b>2022</b> , 12,	5.9	0
29	The role of central autonomic nervous system dysfunction in Takotsubo syndrome: a systematic review.. <i>Clinical Autonomic Research</i> , <b>2022</b> , 32, 9	4.3	0
28	Day-to-day blood pressure variability in COVID-19: A biomarker of disrupted central autonomic network.. <i>Journal of Clinical Hypertension</i> , <b>2022</b> ,	2.3	1
27	Visit-to-Visit Blood Pressure Variability and Longitudinal Tau Accumulation in Older Adults.. <i>Hypertension</i> , <b>2021</b> , HYPERTENSIONAHA12118479	8.5	2
26	Sex differences in insular gyri responses to the cold pressor challenge.		
25	A variant of Takotsubo syndrome concomitant with left atrial myxoma.. <i>Clinical Case Reports (discontinued)</i> , <b>2022</b> , 10, e05529	0.7	
24	Chewing and Cognitive Improvement: The Side Matters.. <i>Frontiers in Systems Neuroscience</i> , <b>2021</b> , 15, 749444	3.5	0
23	Autonomic Dysfunction in Amyotrophic Lateral Sclerosis: Preliminary Insights from Insula Imaging and Heart Rate Variability Studies. <b>2021</b> ,		
22	[Current concepts about autonomic dysfunction in patients with epilepsy].. <i>Zhurnal Nevrologii i Psikiatrii Imeni S S Korsakova</i> , <b>2022</b> , 122, 131-138	0.4	
21	Data_Sheet_1.docx. <b>2020</b> ,		
20	The effects of noninvasive brain stimulation on heart rate and heart rate variability: A systematic review and meta-analysis.. <i>Journal of Neuroscience Research</i> , <b>2022</b> ,	4.4	3
19	Mental Stress and Cardiovascular HealthPart I. <i>Journal of Clinical Medicine</i> , <b>2022</b> , 11, 3353	5.1	1
18	The Influence of 24-h Ambulatory Blood Pressure on Cognitive Function and Neuropathological Biomarker in Patients With Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 14,	5.3	
17	Pilot Study of Real-World Monitoring of the Heart Rate Variability in Amyotrophic Lateral Sclerosis. <i>Frontiers in Artificial Intelligence</i> , 5,	3	0
16	NMDA receptors in the insular cortex modulate cardiovascular and autonomic but not neuroendocrine responses to restraint stress in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2022</b> , 119, 110598	5.5	0
15	FEATURES OF BRAIN BIOELECTRIC ACTIVITY IN ADOLESCENTS WITH AUTONOMIC DYSFUNCTION SYNDROME AND SYNCOPE. <i>Ekologiya Cheloveka (Human Ecology)</i> , <b>2014</b> , 21, 26-30	2.1	

- 14 fMRI studies evaluating central respiratory control in humans. 16, ○
- 13 Neural efficiency and proficiency adaptation of effective connectivity corresponding to early and advanced skill levels in athletes of racket sports. ○
- 12 Incidence of Acute Myocardial Infarction in Patients Presenting With Cerebrovascular Accident in a Tertiary Care Centre in Eastern India. **2022**, ○
- 11 Prediction of the development of delirium after transcatheter aortic valve implantation using preoperative brain perfusion SPECT. **2022**, 17, e0276447 ○
- 10 Neurovisceral interactions within the brain-heart axis as the basis of neurocardiology. **2022**, 21, 3435 ○
- 9 A rationale for considering heart/brain axis control in neuropsychiatric disease. ○
- 8 Sensory Involvement in Amyotrophic Lateral Sclerosis. **2022**, 23, 15521 2
- 7 The Heart Is at Risk: Understanding Stroke-Heart-Brain Interactions with Focus on Neurogenic Stress Cardiomyopathy [A Review](#). ○
- 6 Insular Cortical circuits. **2023**, 171-208 ○
- 5 Brain function effects of autonomous sensory meridian response (ASMR) video viewing. 17, ○
- 4 Disrupted resting-state functional connectivity of the thalamus in patients with coronary heart disease. **2023**, 9, e13423 ○
- 3 Cerebral amyloid angiopathy-related cardiac injury: Focus on cardiac cell death. 11, ○
- 2 Afterload reduction after non-invasive vagus nerve stimulation in acute heart failure. 17, ○
- 1 Denervation or stimulation? Role of sympatho-vagal imbalance in HFpEF with hypertension. ○