

# The insular cortex

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Inhibition of Fear by Learned Safety Signals: A Mini-Symposium Review. <i>Journal of Neuroscience</i> , 2012, 32, 14118-14124.	1.7	137
2	Neural activity supporting the formation of associative memory versus source memory. <i>Brain Research</i> , 2012, 1471, 81-92.	1.1	19
3	Dopamine, Corticostriatal Connectivity, and Intertemporal Choice. <i>Journal of Neuroscience</i> , 2012, 32, 9402-9409.	1.7	124
4	The Insular Cortex and the Amygdala: Shared Functions and Interactions. , 0, , .		11
5	Perceptual and Neural Response to Affective Tactile Texture Stimulation in Adults with Autism Spectrum Disorders. <i>Autism Research</i> , 2012, 5, 231-244.	2.1	116
6	Brain activation to cues predicting inescapable delay in adolescent Attention Deficit/Hyperactivity Disorder: An fMRI pilot study. <i>Brain Research</i> , 2012, 1450, 57-66.	1.1	41
7	Insula's functional connectivity with ventromedial prefrontal cortex mediates the impact of trait alexithymia on state tobacco craving. <i>Psychopharmacology</i> , 2013, 228, 143-155.	1.5	80
8	Cellular Origin of Grade II Gliomas. , 2013, , 75-89.		1
9	Long-term depression of synaptic transmission in the adult mouse insular cortex <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2013, 38, 3128-3145.	1.2	28
10	The cognitive significance of resonating neurons in the cerebral cortex. <i>Consciousness and Cognition</i> , 2013, 22, 1523-1550.	0.8	7
11	Resting state functional connectivity of five neural networks in bipolar disorder and schizophrenia. <i>Journal of Affective Disorders</i> , 2013, 150, 601-609.	2.0	125
12	Neural activity to intense positive versus negative stimuli can help differentiate bipolar disorder from unipolar major depressive disorder in depressed adolescents: A pilot fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 277-284.	0.9	46
13	The human insula: Architectonic organization and postmortem MRI registration. <i>Neuroscience</i> , 2013, 236, 117-135.	1.1	105
14	Early auditory sensory processing of voices is facilitated by visual mechanisms. <i>NeuroImage</i> , 2013, 77, 237-245.	2.1	41
15	Structural asymmetry of anterior insula: Behavioral correlates and individual differences. <i>Brain and Language</i> , 2013, 126, 109-122.	0.8	49
16	A volumetric comparison of the insular cortex and its subregions in primates. <i>Journal of Human Evolution</i> , 2013, 64, 263-279.	1.3	143
17	Nucleus accumbens, thalamus and insula connectivity during incentive anticipation in typical adults and adolescents. <i>NeuroImage</i> , 2013, 66, 508-521.	2.1	147
18	Intrinsic Functional Connectivity of Amygdala-Based Networks in Adolescent Generalized Anxiety Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2013, 52, 290-299.e2.	0.3	224

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19	An Increase in Synaptic NMDA Receptors in the Insular Cortex Contributes to Neuropathic Pain. <i>Science Signaling</i> , 2013, 6, ra34.	1.6	110
20	Assessing facial attractiveness: individual decisions and evolutionary constraints. <i>Socioaffective Neuroscience &amp; Psychology</i> , 2013, 3, 21432.	2.9	14
21	Using Hypnotic Suggestion to Model Loss of Control and Awareness of Movements: An Exploratory fMRI Study. <i>PLoS ONE</i> , 2013, 8, e78324.	1.1	30
22	Retrieval, Monitoring, and Control Processes: A 7 Tesla fMRI Approach to Memory Accuracy. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 24.	1.0	21
23	Role of cerebral cortex in the neuropathology of Huntington's disease. <i>Frontiers in Neural Circuits</i> , 2013, 7, 19.	1.4	75
24	Structural basis of empathy and the domain general region in the anterior insular cortex. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 177.	1.0	80
25	A cholinergic hypothesis of the unconscious in affective disorders. <i>Frontiers in Neuroscience</i> , 2013, 7, 220.	1.4	4
26	The development of an RDoC-based treatment program for adolescent depression: "Training for Awareness, Resilience, and Action" (TARA). <i>Frontiers in Human Neuroscience</i> , 2014, 8, 630.	1.0	49
27	Interaction between Neuroanatomical and Psychological Changes after Mindfulness-Based Training. <i>PLoS ONE</i> , 2014, 9, e108359.	1.1	61
28	Beyond the Tripartite Cognition-Emotion-Interoception Model of the Human Insular Cortex. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 16-27.	1.1	227
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30	The pain of altruism. <i>Trends in Cognitive Sciences</i> , 2014, 18, 615-617.	4.0	41
31	The insular auditory field receives input from the lemniscal subdivision of the auditory thalamus in mice. <i>Journal of Comparative Neurology</i> , 2014, 522, 1373-1389.	0.9	31
32	Fetal MRI insular cortical morphometry and its association with neurobehavior in late-onset small-for-gestational-age fetuses. <i>Ultrasound in Obstetrics and Gynecology</i> , 2014, 44, 322-329.	0.9	44
33	Loss of Long-Term Depression in the Insular Cortex after Tail Amputation in Adult Mice. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-1.	1.0	40
34	Empathic arousal and social understanding in individuals with autism: evidence from fMRI and ERP measurements. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1203-1213.	1.5	164
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36	Uncovering the role of the insula in non-motor symptoms of Parkinson's disease. <i>Brain</i> , 2014, 137, 2143-2154.	3.7	140

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37	In vivo architectonics: A cortico-centric perspective. <i>NeuroImage</i> , 2014, 93, 157-164.	2.1	60
38	Contributions of the Insula to Cognition and Emotion. <i>Neuropsychology Review</i> , 2014, 24, 77-87.	2.5	296
40	Neural control of the heart. <i>Neurology</i> , 2014, 83, 261-271.	1.5	170
41	Supraspinal TRPV1 modulates the emotional expression of abdominal pain. <i>Pain</i> , 2014, 155, 2153-2160.	2.0	20
42	Voxel-based morphometry study of the insular cortex in bipolar depression. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 89-95.	0.9	13
43	Sensory Integration in Mouse Insular Cortex Reflects GABA Circuit Maturation. <i>Neuron</i> , 2014, 83, 894-905.	3.8	282
44	Altered Amygdala Connectivity Within the Social Brain in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2014, 40, 152-160.	2.3	69
45	Neural Circuitry of Interoception: New Insights into Anxiety and Obsessive-Compulsive Disorders. <i>Current Treatment Options in Psychiatry</i> , 2014, 1, 235-247.	0.7	26
46	Neural correlates of inferring speaker sincerity from white lies: An event-related potential source localization study. <i>Brain Research</i> , 2014, 1565, 48-62.	1.1	33
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48	Insular muscarinic signaling regulates anxiety-like behaviors in rats on the elevated plus-maze. <i>Behavioural Brain Research</i> , 2014, 270, 256-260.	1.2	14
49	Processing of nociceptive input from posterior to anterior insula in humans. <i>Human Brain Mapping</i> , 2014, 35, 5486-5499.	1.9	104
50	Female migraineurs show lack of insular thinning with age. <i>Pain</i> , 2015, 156, 1232-1239.	2.0	38
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52	Neural correlates of decision making after unfair treatment. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 123.	1.0	16
53	Neuroimaging Analysis of the Dopamine Basis for Apathetic Behaviors in an MPTP-Lesioned Primate Model. <i>PLoS ONE</i> , 2015, 10, e0132064.	1.1	21
54	Nonlinear digital signal processing in mental health: characterization of major depression using instantaneous entropy measures of heartbeat dynamics. <i>Frontiers in Physiology</i> , 2015, 6, 74.	1.3	21
55	Functional Connectivity Changes and Executive and Social Problems in Neurofibromatosis Type I. <i>Brain Connectivity</i> , 2015, 5, 312-320.	0.8	41

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58	Empathy and the responsiveness to social affordances. <i>Consciousness and Cognition</i> , 2015, 36, 532-542.	0.8	31
59	A Neuroimaging Strategy for the Three-Dimensional in vivo Anatomical Visualization and Characterization of Insular Gyri. <i>Stereotactic and Functional Neurosurgery</i> , 2015, 93, 255-264.	0.8	15
60	Reflections of word processing in the insular cortex: A sub-regional parcellation based functional assessment. <i>Brain and Language</i> , 2015, 142, 1-7.	0.8	39
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65	Altered insular activation and increased insular functional connectivity during sad and happy face processing in adolescent major depressive disorder. <i>Journal of Affective Disorders</i> , 2015, 178, 215-223.	2.0	50
66	New insights on the role of the insular cortex and habenula in OSA. <i>Sleep and Breathing</i> , 2015, 19, 1347-1353.	0.9	15
67	Role of the anterior insular cortex in integrative causal signaling during multisensory auditoryâ€“visual attention. <i>European Journal of Neuroscience</i> , 2015, 41, 264-274.	1.2	59
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69	Temporal dynamics and potential neural sources of goal conduciveness, control, and power appraisal. <i>Biological Psychology</i> , 2015, 112, 77-93.	1.1	11
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71	Anticipating conflict: Neural correlates of a Bayesian belief and its motor consequence. <i>NeuroImage</i> , 2015, 119, 286-295.	2.1	49
72	Reduced anterior insula, enlarged amygdala in alcoholism and associated depleted von Economo neurons. <i>Brain</i> , 2015, 138, 69-79.	3.7	61
73	Consistent Anteriorâ€“Posterior Segregation of the Insula During the First 2 Years of Life. <i>Cerebral Cortex</i> , 2015, 25, 1176-1187.	1.6	77
74	Scent of the familiar: An fMRI study of canine brain responses to familiar and unfamiliar human and dog odors. <i>Behavioural Processes</i> , 2015, 110, 37-46.	0.5	92

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75	Insular and caudate lesions release abnormal yawning in stroke patients. <i>Brain Structure and Function</i> , 2015, 220, 803-812.	1.2	16
76	The Neuroanatomy of Prosocial Decision Making. , 2016, , 35-72.		2
77	Ecstatic Epileptic Seizures: A Glimpse into the Multiple Roles of the Insula. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 21.	1.0	38
78	Goal-Directed Behavior and Instrumental Devaluation: A Neural System-Level Computational Model. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 181.	1.0	28
79	Distinct Spatiotemporal Activation Patterns of the Perirhinal-Entorhinal Network in Response to Cortical and Amygdala Input. <i>Frontiers in Neural Circuits</i> , 2016, 10, 44.	1.4	10
80	Sex Differences in Insular Cortex Gyri Responses to the Valsalva Maneuver. <i>Frontiers in Neurology</i> , 2016, 7, 87.	1.1	20
81	Reproducibility of Neurochemical Profile Quantification in Pregenuel Cingulate, Anterior Midcingulate, and Bilateral Posterior Insular Subdivisions Measured at 3 Tesla. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 300.	1.0	4
82	Circuits Regulating Pleasure and Happiness: The Evolution of the Amygdalar-Hippocampal-Habenular Connectivity in Vertebrates. <i>Frontiers in Neuroscience</i> , 2016, 10, 539.	1.4	31
83	Emotional Empathy and Facial Mimicry for Static and Dynamic Facial Expressions of Fear and Disgust. <i>Frontiers in Psychology</i> , 2016, 7, 1853.	1.1	54
84	Circuits Regulating Pleasure and Happiness: A Focus on Addiction, Beyond the Ventral Striatum. , 0, , .		6
85	Circuits Regulating Pleasure and Happiness in Schizophrenia: The Neurobiological Mechanism of Delusions. , 2016, , .		4
86	Neural Correlates of Antidepressant Treatment Response in Adolescents with Major Depressive Disorder. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2016, 26, 705-712.	0.7	63
87	Amygdala functional connectivity as a longitudinal biomarker of symptom changes in generalized anxiety. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1719-1728.	1.5	45
88	Contribution of insula in Parkinson's disease: A quantitative meta-analysis study. <i>Human Brain Mapping</i> , 2016, 37, 1375-1392.	1.9	36
89	ASIC1a regulates insular long-term depression and is required for the extinction of conditioned taste aversion. <i>Nature Communications</i> , 2016, 7, 13770.	5.8	50
90	Brain activations during pain. <i>Pain</i> , 2016, 157, 1279-1286.	2.0	116
91	Migraine and Puberty: Potential Susceptible Brain Sites. <i>Seminars in Pediatric Neurology</i> , 2016, 23, 53-59.	1.0	10
92	Impact of APOE-É4 and family history of dementia on gray matter atrophy in cognitively healthy middle-aged adults. <i>Neurobiology of Aging</i> , 2016, 38, 14-20.	1.5	37

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93	Single subject analyses reveal consistent recruitment of frontal operculum in performance monitoring. <i>NeuroImage</i> , 2016, 133, 266-278.	2.1	19
94	Prednisolone increases neural reactivity to negative socio-emotional stimuli in healthy young men. <i>European Neuropsychopharmacology</i> , 2016, 26, 1176-1189.	0.3	11
95	Surgery of insular and paralimbic diffuse low-grade gliomas: technical considerations. <i>Journal of Neuro-Oncology</i> , 2016, 130, 289-298.	1.4	52
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100	Pain networks from the inside: Spatiotemporal analysis of brain responses leading from nociception to conscious perception. <i>Human Brain Mapping</i> , 2016, 37, 4301-4315.	1.9	104
101	What Have We Learned From Brain Functional Connectivity Studies in Migraine Headache?. <i>Headache</i> , 2016, 56, 453-461.	1.8	32
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103	Time to connect: bringing social context into addiction neuroscience. <i>Nature Reviews Neuroscience</i> , 2016, 17, 592-599.	4.9	230
104	Current advances in orthodontic pain. <i>International Journal of Oral Science</i> , 2016, 8, 67-75.	3.6	93
105	Multimodal investigation of epileptic networks. <i>Progress in Brain Research</i> , 2016, 226, 1-33.	0.9	9
106	Integration of olfactory and gustatory chemosignals in the insular cortex. <i>Journal of Oral Biosciences</i> , 2016, 58, 81-84.	0.8	6
107	Prenatal cocaine exposure and its impact on cognitive functions of offspring: a pathophysiological insight. <i>Reviews in the Neurosciences</i> , 2016, 27, 523-34.	1.4	8
108	Circuits regulating pleasure and happiness in major depression. <i>Medical Hypotheses</i> , 2016, 87, 14-21.	0.8	56
109	The Insula. <i>Neuroscientist</i> , 2016, 22, 632-652.	2.6	110
110	Oscillatory correlates of moral decision-making: Effect of personality. <i>Social Neuroscience</i> , 2016, 11, 233-248.	0.7	7

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111	Winning is not enough: ventral striatum connectivity during physical aggression. <i>Brain Imaging and Behavior</i> , 2016, 10, 105-114.	1.1	16
112	The Cortical Signature of Central Poststroke Pain: Gray Matter Decreases in Somatosensory, Insular, and Prefrontal Cortices. <i>Cerebral Cortex</i> , 2016, 26, 80-88.	1.6	37
113	Macroanatomy and 3D probabilistic atlas of the human insula. <i>NeuroImage</i> , 2017, 150, 88-98.	2.1	107
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116	Navigating the Island of Reil: how to understand the insular cortex. <i>Practical Neurology</i> , 2017, 17, 122-126.	0.5	12
117	Evidence for a large-scale brain system supporting allostasis and interoception in humans. <i>Nature Human Behaviour</i> , 2017, 1, .	6.2	393
118	Complementary Features of Attention Bias Modification Therapy and Cognitive-Behavioral Therapy in Pediatric Anxiety Disorders. <i>American Journal of Psychiatry</i> , 2017, 174, 775-784.	4.0	86
119	Insular pathology in young people with high-functioning autism and first-episode psychosis. <i>Psychological Medicine</i> , 2017, 47, 2472-2482.	2.7	29
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121	Experience-dependent modulation of right anterior insula and sensorimotor regions as a function of noise-masked auditory feedback in singers and nonsingers. <i>NeuroImage</i> , 2017, 147, 97-110.	2.1	47
122	Operculo-Insular Epilepsy: Scalp and Intracranial Electroencephalographic Findings. <i>Journal of Clinical Neurophysiology</i> , 2017, 34, 438-447.	0.9	34
123	Neural correlates of Eureka moment. <i>Intelligence</i> , 2017, 62, 99-118.	1.6	43
124	Corticoâ€œlimbic connectivity in <i>MAOA</i> carriers is vulnerable to acute tryptophan depletion. <i>Human Brain Mapping</i> , 2017, 38, 1622-1635.	1.9	20
125	Opioid and orexin hedonic hotspots in rat orbitofrontal cortex and insula. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9125-E9134.	3.3	152
126	Comments on the Updated Tetrapartite Pallium Model in the Mouse and Chick, Featuring a Homologous Claustr-Insular Complex. <i>Brain, Behavior and Evolution</i> , 2017, 90, 171-189.	0.9	55
127	Population dynamics of neural progenitor cells during aging in the cerebral cortex. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 182-187.	1.0	3
128	Insulaâ€œbased networks in professional musicians: Evidence for increased functional connectivity during resting state fMRI. <i>Human Brain Mapping</i> , 2017, 38, 4834-4849.	1.9	45



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130	Brain waves from an "isolated" cortex: contribution of the anterior insula to cognitive functions. <i>Brain Structure and Function</i> , 2017, 223, 1343-1355.	1.2	19
131	Testing the physiological plausibility of conflicting psychological models of response inhibition: A forward inference fMRI study. <i>Behavioural Brain Research</i> , 2017, 333, 192-202.	1.2	20
132	Nicotinic activity depresses synaptic potentiation in layer V pyramidal neurons of mouse insular cortex. <i>Neuroscience</i> , 2017, 358, 13-27.	1.1	17
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134	Sex-related influences in migraine. <i>Journal of Neuroscience Research</i> , 2017, 95, 587-593.	1.3	61
135	Refractory chronic epilepsy associated with neuronal auto-antibodies: could perisylvian semiology be a clue?. <i>Epileptic Disorders</i> , 2017, 19, 439-449.	0.7	22
136	Investigating the Neural Correlates of Emotion-Cognition Interaction Using an Affective Stroop Task. <i>Frontiers in Psychology</i> , 2017, 8, 1489.	1.1	29
137	The Functional Integration in the Sensory-Motor System Predicts Aging in Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 306.	1.7	31
138	Group Cognitive Behavior Therapy Reversed Insula Subregions Functional Connectivity in Asthmatic Patients. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 105.	1.7	10
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144	Abnormal Functional Connectivity of Ventral Anterior Insula in Asthmatic Patients with Depression. <i>Neural Plasticity</i> , 2017, 2017, 1-11.	1.0	8
145	The right touch: Stroking of CT-innervated skin promotes vocal emotion processing. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 1129-1140.	1.0	24
146	Parental Behavior†. , 2017, , .		3

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147	The distinct roles of insular subareas in recognition memory. <i>NeuroReport</i> , 2018, 29, 459-465.	0.6	4
148	TrpM8-mediated somatosensation in mouse neocortex. <i>Journal of Comparative Neurology</i> , 2018, 526, 1444-1456.	0.9	21
149	Nicotine facilitates synaptic depression in layer V pyramidal neurons of the mouse insular cortex. <i>Neuroscience Letters</i> , 2018, 672, 78-83.	1.0	12
150	The caudal part of the posterior insula of rats participates in the maintenance but not the acquisition of morphine conditioned place preference. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 420-428.	1.9	6
151	Surgery of Insular Gliomas. <i>Progress in Neurological Surgery</i> , 2018, 30, 173-185.	1.3	17
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153	Retrieving autobiographical experience of painful events in a phantom limb: brain concomitants in a case report. <i>Neurocase</i> , 2018, 24, 41-48.	0.2	1
154	Structural and functional changes in the somatosensory cortex in euthymic females with bipolar disorder. <i>Australian and New Zealand Journal of Psychiatry</i> , 2018, 52, 1075-1083.	1.3	48
155	Affective neuroscience: a primer with implications for forensic psychology. <i>Psychology, Crime and Law</i> , 2018, 24, 258-278.	0.8	5
156	Is the voice an auditory face? An ALE meta-analysis comparing vocal and facial emotion processing. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 1-13.	1.5	39
157	The right inferior frontal gyrus processes nested non-local dependencies in music. <i>Scientific Reports</i> , 2018, 8, 3822.	1.6	54
158	Von Economo Neurons and Fork Cells: A Neurochemical Signature Linked to Monoaminergic Function. <i>Cerebral Cortex</i> , 2018, 28, 131-144.	1.6	38
159	Circuits regulating pleasure and happiness: evolution and role in mental disorders. <i>Acta Neuropsychiatrica</i> , 2018, 30, 29-42.	1.0	34
160	Two patterns of anterior insular cortex functional connectivity in bipolar disorder and schizophrenia. <i>World Journal of Biological Psychiatry</i> , 2018, 19, S115-S123.	1.3	26
161	Electrical stimulation of the insular cortex as a novel target for the relief of refractory pain: An experimental approach in rodents. <i>Behavioural Brain Research</i> , 2018, 346, 86-95.	1.2	29
162	An anatomical and physiological basis for the cardiovascular autonomic nervous system consequences of sport-related brain injury. <i>International Journal of Psychophysiology</i> , 2018, 132, 155-166.	0.5	16
163	From the lateral edge to the center of the cortex: The development of the human insula. <i>Neuroforum</i> , 2018, 24, A151-A158.	0.2	1
164	Decreased Functional Connectivity in Insular Subregions in Depressive Episodes of Bipolar Disorder and Major Depressive Disorder. <i>Frontiers in Neuroscience</i> , 2018, 12, 842.	1.4	83

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165	Insula as the Interface Between Body Awareness and Movement: A Neurofeedback-Guided Kinesthetic Motor Imagery Study in Parkinson's Disease. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 496.	1.0	26
166	A Connectomic Atlas of the Human Cerebrum"Chapter 5: The Insula and Opercular Cortex. <i>Operative Neurosurgery</i> , 2018, 15, S175-S244.	0.4	30
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