High-frequency brain activity and muscle artifacts in M
recommendations

Frontiers in Human Neuroscience

7, 138

Citation Report

#	Article	IF	Citations
1	Spatial attention increases high-frequency gamma synchronisation in human medial visual cortex. NeuroImage, 2013, 79, 295-303.	2.1	32
2	High-frequency neural oscillations and visual processing deficits in schizophrenia. Frontiers in Psychology, 2013, 4, 621.	1.1	43
3	Dissociating neuronal gamma-band activity from cranial and ocular muscle activity in EEG. Frontiers in Human Neuroscience, 2013, 7, 338.	1.0	181
4	MEG studies of motor cortex gamma oscillations: evidence for a gamma â€œfingerprintâ€•in the brain?. Frontiers in Human Neuroscience, 2013, 7, 575.	1.0	100
5	Mindfulness-induced selflessness: a MEG neurophenomenological study. Frontiers in Human Neuroscience, 2013, 7, 582.	1.0	114
6	Artemis 123: development of a whole-head infant and young child MEG system. Frontiers in Human Neuroscience, 2014, 8, 99.	1.0	43
7	Bioelectric Measurements: Magnetoencephalography. , 2014, , 47-72.		3
8	A Minimal Spanning Tree Analysis of EEG Responses to Complex Visual Stimuli. , 2014, , .		0
9	Complexity of functional connectivity networks in mild cognitive impairment subjects during a working memory task. Clinical Neurophysiology, 2014, 125, 694-702.	0.7	121
10	EEG signatures of arm isometric exertions in preparation, planning and execution. NeuroImage, 2014, 90, 1-14.	2.1	13
11	Resting-state hippocampal connectivity correlates with symptom severity in post-traumatic stress disorder. NeuroImage: Clinical, 2014, 5, 377-384.	1.4	77
12	The maturation of cortical sleep rhythms and networks over early development. Clinical Neurophysiology, 2014, 125, 1360-1370.	0.7	43
13	Subsequent memory effect in intracranial and scalp EEG. NeuroImage, 2014, 84, 488-494.	2.1	156
14	Beta oscillations reflect memory and motor aspects of spoken word production. Human Brain Mapping, 2015, 36, 2767-2780.	1.9	82
15	EEG biometric identification: a thorough exploration of the time-frequency domain. Journal of Neural Engineering, 2015, 12, 056019.	1.8	69
16	Restingâ€state oscillatory dynamics in sensorimotor cortex in benign epilepsy with centroâ€temporal spikes and typical brain development. Human Brain Mapping, 2015, 36, 3935-3949.	1.9	27
17	Assessing pain objectively: the use of physiological markers. Anaesthesia, 2015, 70, 828-847.	1.8	185
18	Principled Neuro-Functional Connectivity Discovery. , 2015, , .		5

#	Article	IF	Citations
19	Theta, Mental Flexibility, and Post-Traumatic Stress Disorder: Connecting in the Parietal Cortex. PLoS ONE, 2015, 10, e0123541.	1.1	37
20	Acute Biphasic Effects of Ayahuasca. PLoS ONE, 2015, 10, e0137202.	1.1	82
21	High-Frequency Electroencephalographic Activity in Left Temporal Area Is Associated with Pleasant Emotion Induced by Video Clips. Computational Intelligence and Neuroscience, 2015, 2015, 1-14.	1.1	19
22	Ketamine amplifies induced gamma frequency oscillations in the human cerebral cortex. European Neuropsychopharmacology, 2015, 25, 1136-1146.	0.3	105
23	Real-time detection and filtering of eye movement and blink related artifacts in EEG. , 2015, , .		8
24	Sugihara causality analysis of scalp EEG for detection of early Alzheimer's disease. NeuroImage: Clinical, 2015, 7, 258-265.	1.4	58
25	Resting-state EEG delta power is associated with psychological pain in adults with a history of depression. Biological Psychology, 2015, 105, 106-114.	1.1	46
26	Distinct cerebellar lobules process arousal, valence and their interaction in parallel following a temporal hierarchy. NeuroImage, 2015, 110, 149-161.	2.1	42
27	What it means to be Zen: Marked modulations of local and interareal synchronization during open monitoring meditation. NeuroImage, 2015, 108, 265-273.	2.1	49
28	EEG artifact removalâ€"state-of-the-art and guidelines. Journal of Neural Engineering, 2015, 12, 031001.	1.8	629
29	EEG classification of adolescents with type I and type II of bipolar disorder. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 551-559.	1.4	33
30	EEG/ECG Signal Fusion Aimed at Biometric Recognition. Lecture Notes in Computer Science, 2015, , 35-42.	1.0	8
31	Evidence that Subanesthetic Doses of Ketamine Cause Sustained Disruptions of NMDA and AMPA-Mediated Frontoparietal Connectivity in Humans. Journal of Neuroscience, 2015, 35, 11694-11706.	1.7	202
32	Characterising intra- and inter-intrinsic network synchrony in combat-related post-traumatic stress disorder. Psychiatry Research - Neuroimaging, 2015, 234, 172-181.	0.9	23
33	Low-frequency connectivity is associated with mild traumatic brain injury. NeuroImage: Clinical, 2015, 7, 611-621.	1.4	74
34	Opportunities and methodological challenges in EEG and MEG resting state functional brain network research. Clinical Neurophysiology, 2015, 126, 1468-1481.	0.7	319
35	An EEG-Based Biometric System Using Eigenvector Centrality in Resting State Brain Networks. IEEE Signal Processing Letters, 2015, 22, 666-670.	2.1	117
36	Herbal Extracts That Reduce Ocular Oxidative Stress May Enhance Attentive Performance in Humans. Computational Intelligence and Neuroscience, 2016, 2016, 1-13.	1.1	3

#	Article	IF	Citations
37	Evaluation of Phase-Amplitude Coupling in Resting State Magnetoencephalographic Signals: Effect of Surrogates and Evaluation Approach. Frontiers in Computational Neuroscience, 2016, 10, 120.	1.2	9
38	Feasibility of Magnetoencephalography after Endovascular Treatment of Ruptured Intracranial Aneurysms. Frontiers in Neurology, 2016, 7, 163.	1.1	2
39	Neuronal Oscillations in Various Frequency Bands Differ between Pain and Touch. Frontiers in Human Neuroscience, 2016, 10, 182.	1.0	48
40	Imaging Posture Veils Neural Signals. Frontiers in Human Neuroscience, 2016, 10, 520.	1.0	21
41	Cortical Responses and Shape Complexity of Stereoscopic Image - A Simultaneous EEG/MEG Study. NeuroSignals, 2016, 24, 102-112.	0.5	4
42	Brain Oscillations in Sport: Toward EEG Biomarkers of Performance. Frontiers in Psychology, 2016, 7, 246.	1.1	127
43	Minimum spanning tree and k-core decomposition as measure of subject-specific EEG traits. Biomedical Physics and Engineering Express, 2016, 2, 017001.	0.6	29
44	Local recording of biological magnetic fields using Giant Magneto Resistance-based micro-probes. Scientific Reports, 2016, 6, 39330.	1.6	37
45	Thinking about the thoughts of others; temporal and spatial neural activation during false belief reasoning. NeuroImage, 2016, 134, 320-327.	2.1	32
46	Hemodynamic correlates of spontaneous neural activity measured by human whole-head resting state EEG + fNIRS. NeuroImage, 2016, 138, 76-87.	2.1	36
47	Detection and Magnetic Source Imaging of Fast Oscillations (40â€"160ÂHz) Recorded with Magnetoencephalography in Focal Epilepsy Patients. Brain Topography, 2016, 29, 218-231.	0.8	76
48	Automated detection and characterisation of rumination in sheep using in vivo electrophysiology. Physiology and Behavior, 2016, 163, 258-266.	1.0	8
49	CEREBRE: A Novel Method for Very High Accuracy Event-Related Potential Biometric Identification. IEEE Transactions on Information Forensics and Security, 2016, 11, 1618-1629.	4.5	106
50	Elevated midline-parietal gamma band noise power in schizophrenia but not in bipolar patients. European Archives of Psychiatry and Clinical Neuroscience, 2016, 266, 743-753.	1.8	9
51	MEG sensor and source measures of visually induced gamma-band oscillations are highly reliable. NeuroImage, 2016, 137, 34-44.	2.1	39
52	The effect of epoch length on estimated EEG functional connectivity and brain network organisation. Journal of Neural Engineering, 2016, 13, 036015.	1.8	199
53	Brainâ€"computer interfacing under distraction: an evaluation study. Journal of Neural Engineering, 2016, 13, 056012.	1.8	19
54	Epileptogenic Source Imaging Using Cross-Frequency Coupled Signals From Scalp EEG. IEEE Transactions on Biomedical Engineering, 2016, 63, 2607-2618.	2.5	27

#	Article	IF	Citations
55	Articulation Artifacts During Overt Language Production in Event-Related Brain Potentials: Description and Correction. Brain Topography, 2016, 29, 791-813.	0.8	25
56	Desynchronization of fronto-temporal networks during working memory processing in autism. Human Brain Mapping, 2016, 37, 153-164.	1.9	52
57	Neurofeedback Against Binge Eating: A Randomized Controlled Trial in a Female Subclinical Threshold Sample. European Eating Disorders Review, 2016, 24, 406-416.	2.3	37
58	Hemodynamic signals in fNIRS. Progress in Brain Research, 2016, 225, 153-179.	0.9	53
59	Hierarchy of prediction errors for auditory events in human temporal and frontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6755-6760.	3.3	129
60	Post-Traumatic Stress Constrains the Dynamic Repertoire of Neural Activity. Journal of Neuroscience, 2016, 36, 419-431.	1.7	42
61	Threatening faces induce fear circuitry hypersynchrony in soldiers with post-traumatic stress disorder. Heliyon, 2016, 2, e00063.	1.4	14
62	Sparse time artifact removal. Journal of Neuroscience Methods, 2016, 262, 14-20.	1.3	21
63	Distinct β Band Oscillatory Networks Subserving Motor and Cognitive Control during Gait Adaptation. Journal of Neuroscience, 2016, 36, 2212-2226.	1.7	152
65	Evidence for a Caregiving Instinct: Rapid Differentiation of Infant from Adult Vocalizations Using Magnetoencephalography. Cerebral Cortex, 2016, 26, 1309-1321.	1.6	36
66	Non-invasive brain mapping in epilepsy: Applications from magnetoencephalography. Journal of Neuroscience Methods, 2016, 260, 283-291.	1.3	20
67	Body position alters human resting-state: Insights from multi-postural magnetoencephalography. Brain Imaging and Behavior, 2016, 10, 772-780.	1.1	24
68	Identification of epileptic high frequency oscillations in the time domain by using MEG beamformer-based virtual sensors. Clinical Neurophysiology, 2016, 127, 197-208.	0.7	59
69	Interhemispheric Connectivity Characterizes Cortical Reorganization in Motor-Related Networks After Cerebellar Lesions. Cerebellum, 2017, 16, 358-375.	1.4	21
70	Posterior α EEG Dynamics Dissociate Current from Future Goals in Working Memory-Guided Visual Search. Journal of Neuroscience, 2017, 37, 1591-1603.	1.7	77
71	Localized component filtering for electroencephalogram artifact rejection. Psychophysiology, 2017, 54, 608-619.	1.2	5
72	Magnetoencephalography for brain electrophysiology and imaging. Nature Neuroscience, 2017, 20, 327-339.	7.1	580
73	Source Localization of Brain States Associated with Canonical Neuroimaging Postures. Journal of Cognitive Neuroscience, 2017, 29, 1292-1301.	1.1	7

#	Article	IF	Citations
74	A new method for quantifying the performance of EEG blind source separation algorithms by referencing a simultaneously recorded ECoG signal. Neural Networks, 2017, 93, 1-6.	3.3	33
75	The neural correlates of dreaming. Nature Neuroscience, 2017, 20, 872-878.	7.1	430
76	The Sleeping Cerebellum. Trends in Neurosciences, 2017, 40, 309-323.	4.2	127
77	EEG datasets for motor imagery brain–computer interface. GigaScience, 2017, 6, 1-8.	3.3	180
78	GABA metabolism and its role in gamma–band oscillatory activity during auditory processing: An MRS and EEG study. Human Brain Mapping, 2017, 38, 3975-3987.	1.9	13
79	Phase-locked and non-phase-locked EEG responses to pinprick stimulation before and after experimentally-induced secondary hyperalgesia. Clinical Neurophysiology, 2017, 128, 1445-1456.	0.7	25
80	Evaluation of a minimum-norm based beamforming technique, sLORETA, for reducing tonic muscle contamination of EEG at sensor level. Journal of Neuroscience Methods, 2017, 288, 17-28.	1.3	9
81	Automated detection of epileptic ripples in MEG using beamformer-based virtual sensors. Journal of Neural Engineering, 2017, 14, 046013.	1.8	24
82	Auditory processing in noise is associated with complex patterns of disrupted functional connectivity in autism spectrum disorder. Autism Research, 2017, 10, 631-647.	2.1	41
83	The absence of resting-state high-gamma cross-frequency coupling in patients with tinnitus. Hearing Research, 2017, 356, 63-73.	0.9	18
84	Intrinsic frequency biases and profiles across human cortex. Journal of Neurophysiology, 2017, 118, 2853-2864.	0.9	29
85	Automatic 1D convolutional neural network-based detection of artifacts in MEG acquired without electrooculography or electrocardiography. , 2017, 2017, .		17
86	Cingulate and cerebellar beta oscillations are engaged in the acquisition of auditory–motor sequences. Human Brain Mapping, 2017, 38, 5161-5179.	1.9	29
87	Facial expression classification using EEG and gyroscope signals. , 2017, 2017, 1018-1021.		6
88	Disconnection from others in autism is more than just a feeling: whole-brain neural synchrony in adults during implicit processing of emotional faces. Molecular Autism, 2017, 8, 7.	2.6	26
89	Deriving frequency-dependent spatial patterns in MEG-derived resting state sensorimotor network: A novel multiband ICA technique. Human Brain Mapping, 2017, 38, 779-791.	1.9	11
90	Implicit Analysis of Perceptual Multimedia Experience Based on Physiological Response: A Review. IEEE Transactions on Multimedia, 2017, 19, 340-353.	5.2	35
91	Trends in EEG-BCI for daily-life: Requirements for artifact removal. Biomedical Signal Processing and Control, 2017, 31, 407-418.	3.5	216

#	ARTICLE	IF	CITATIONS
92	Flexible head-casts for high spatial precision MEG. Journal of Neuroscience Methods, 2017, 276, 38-45.	1.3	69
93	Music and the brain - design of an MEG compatible piano. , 2017, 2017, 521-524.		2
94	Gender and emotion recognition with implicit user signals. , 2017, , .		15
95	Electroencephalographic slowing: A primary source of error in automatic seizure detection. , 2017, , .		3
96	Automatic Artifact Removal in EEG of Normal and Demented Individuals Using ICAâ€"WT during Working Memory Tasks. Sensors, 2017, 17, 1326.	2.1	56
97	Closed-Loop Hybrid Gaze Brain-Machine Interface Based Robotic Arm Control with Augmented Reality Feedback. Frontiers in Neurorobotics, 2017, 11, 60.	1.6	52
98	Current and Emerging Potential of Magnetoencephalography in the Detection and Localization of High-Frequency Oscillations in Epilepsy. Frontiers in Neurology, 2017, 8, 14.	1.1	53
99	Gaussian Process Regression for Predictive But Interpretable Machine Learning Models: An Example of Predicting Mental Workload across Tasks. Frontiers in Human Neuroscience, 2016, 10, 647.	1.0	44
100	Beware: Recruitment of Muscle Activity by the EEG-Neurofeedback Trainings of High Frequencies. Frontiers in Human Neuroscience, 2017, 11, 119.	1.0	17
101	Measuring Mental Workload with EEG+fNIRS. Frontiers in Human Neuroscience, 2017, 11, 359.	1.0	149
102	Neurophysiological Correlates of the Rubber Hand Illusion in Late Evoked and Alpha/Beta Band Activity. Frontiers in Human Neuroscience, 2017, 11, 377.	1.0	33
103	Back-projection cortical potential imaging: A sensitivity study. , 2017, , .		0
104	The dynamics of error processing in the human brain as reflected by high-gamma activity in noninvasive and intracranial EEG. NeuroImage, 2018, 173, 564-579.	2.1	31
105	Multi-band component analysis for EEG artifact removal and source reconstruction with application to gamma-band activity. Biomedical Physics and Engineering Express, 2018, 4, 035007.	0.6	4
106	Alpha-gamma phase amplitude coupling subserves information transfer during perceptual sequence learning. Neurobiology of Learning and Memory, 2018, 149, 107-117.	1.0	17
107	Automated EEG Artifact Handling With Application in Driver Monitoring. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1350-1361.	3.9	19
108	IFCN-endorsed practical guidelines for clinical magnetoencephalography (MEG). Clinical Neurophysiology, 2018, 129, 1720-1747.	0.7	111
109	Removal of muscular artifacts in EEG signals: a comparison of linear decomposition methods. Brain Informatics, 2018, 5, 13-22.	1.8	55

#	ARTICLE	IF	CITATIONS
110	Peak visual gamma frequency is modified across the healthy menstrual cycle. Human Brain Mapping, 2018, 39, 3187-3202.	1.9	33
111	Surrogate-Based Artifact Removal From Single-Channel EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 540-550.	2.7	77
112	Exploring the advantages of multiband fMRI with simultaneous EEG to investigate coupling between gamma frequency neural activity and the BOLD response in humans. Human Brain Mapping, 2018, 39, 1673-1687.	1.9	34
113	Music induced emotion using wavelet packet decomposition—An EEG study. Biomedical Signal Processing and Control, 2018, 42, 115-128.	3.5	100
114	Multimodal approaches to functional connectivity in autism spectrum disorders: An integrative perspective. Developmental Neurobiology, 2018, 78, 456-473.	1.5	48
115	No Need to Laugh Out Loud. ACM Transactions on Computer-Human Interaction, 2017, 24, 1-29.	4.6	14
116	Altered temporal stability in dynamic neural networks underlies connectivity changes in neurodevelopment. NeuroImage, 2018, 174, 563-575.	2.1	60
117	Cognitive responses and cortical oscillatory processing at various stereoscopic depths—a simultaneous EEG/MEG study. Journal of Integrative Neuroscience, 2018, 16, 255-273.	0.8	0
118	Interbrain phase synchronization during turn-taking verbal interaction—a hyperscanning study using simultaneous EEG/MEG. Human Brain Mapping, 2018, 39, 171-188.	1.9	67
119	Consistency of magnetoencephalographic functional connectivity and network reconstruction using a template versus native MRI for co-registration. Human Brain Mapping, 2018, 39, 104-119.	1.9	58
120	Word onset phonetic properties and motor artifacts in speech production EEG recordings. Psychophysiology, 2018, 55, e12982.	1.2	20
121	Intracranial high-γ connectivity distinguishes wakefulness from sleep. NeuroImage, 2018, 169, 265-277.	2.1	22
122	Beamforming applied to surface EEG improves ripple visibility. Clinical Neurophysiology, 2018, 129, 101-111.	0.7	15
123	Oscillatory Patterns of Phase Cone Formations near to Epileptic Spikes Derived from 256-Channel Scalp EEG Data. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-15.	0.7	5
124	A novel algorithm for removing artifacts from EEG data. , 2018, 2018, 6014-6017.		5
125	Decoding Subjective Emotional Arousal during a Naturalistic VR Experience from EEG Using LSTMs. , 2018, , .		13
126	Resting-state Gamma-band EEG Abnormalities in Autism. , 2018, 2018, 1915-1918.		10
127	Rapid Eye Movements in Sleep Furnish a Unique Probe Into Consciousness. Frontiers in Psychology, 2018, 9, 2087.	1.1	14

#	ARTICLE	IF	CITATIONS
128	fMRI BOLD Correlates of EEG Independent Components: Spatial Correspondence With the Default Mode Network. Frontiers in Human Neuroscience, 2018, 12, 478.	1.0	13
129	Increasing Human Performance by Sharing Cognitive Load Using Brain-to-Brain Interface. Frontiers in Neuroscience, 2018, 12, 949.	1.4	60
130	Increased Functional Connectivity During Emotional Face Processing in Children With Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2018, 12, 408.	1.0	27
131	The frequency architecture of brain and brain body oscillations: an analysis. European Journal of Neuroscience, 2018, 48, 2431-2453.	1.2	122
132	Do Complexity Measures of Frontal EEG Distinguish Loss of Consciousness in Geriatric Patients Under Anesthesia?. Frontiers in Neuroscience, 2018, 12, 645.	1.4	22
133	Event-related desynchronization during movement attempt and execution in severely paralyzed stroke patients: An artifact removal relevance analysis. NeuroImage: Clinical, 2018, 20, 972-986.	1.4	30
134	BRAINsens: Body-Worn Reconfigurable Architecture of Integrated Network Sensors. Journal of Medical Systems, 2018, 42, 185.	2.2	2
135	High-gamma activity in the human hippocampus and parahippocampus during inter-trial rest periods of a virtual navigation task. NeuroImage, 2018, 178, 92-103.	2.1	11
136	1/f electrophysiological spectra in resting and drug-induced states can be explained by the dynamics of multiple oscillatory relaxation processes. NeuroImage, 2018, 179, 582-595.	2.1	99
137	Online EEG artifact removal for BCI applications by adaptive spatial filtering. Journal of Neural Engineering, 2018, 15, 056009.	1.8	32
138	Do Not Disturb: Psychophysiological Correlates of Boredom, Flow and Frustration During VR Gaming. Lecture Notes in Computer Science, 2018, , 101-119.	1.0	3
139	Gamma EEG Correlates of Haptic Preferences for a Dial Interface. IEEE Access, 2018, 6, 22324-22331.	2.6	10
140	Default Mode Network Oscillatory Coupling Is Increased Following Concussion. Frontiers in Neurology, 2018, 9, 280.	1.1	26
141	Correlation of BOLD Signal with Linear and Nonlinear Patterns of EEG in Resting State EEG-Informed fMRI. Frontiers in Human Neuroscience, 2017, 11, 654.	1.0	30
142	Remifentanil and Nitrous Oxide Anesthesia Produces a Unique Pattern of EEG Activity During Loss and Recovery of Response. Frontiers in Human Neuroscience, 2018, 12, 173.	1.0	11
143	Post-traumatic stress disorder and chronic hyperconnectivity in emotional processing. NeuroImage: Clinical, 2018, 20, 197-204.	1.4	14
144	A lexical semantic hub for heteromodal naming in middle fusiform gyrus. Brain, 2018, 141, 2112-2126.	3.7	105
145	Identification and Removal of Physiological Artifacts From Electroencephalogram Signals: A Review. IEEE Access, 2018, 6, 30630-30652.	2.6	126

#	Article	IF	Citations
146	Fractal Analysis on Artificial Profiles and Electroencephalography Signals by Roughness Scaling Extraction Algorithm. IEEE Access, 2019, 7, 89265-89277.	2.6	14
147	EEG Sensorimotor Correlates of Speed During Forearm Passive Movements. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1667-1675.	2.7	8
148	Wearable neuroimaging: Combining and contrasting magnetoencephalography and electroencephalography. NeuroImage, 2019, 201, 116099.	2.1	82
149	Behavioral and Neural Correlates of Cognitive-Motor Interference during Multitasking in Young and Old Adults. Neural Plasticity, 2019, 2019, 1-19.	1.0	19
150	Using optically pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum. Journal of Physiology, 2019, 597, 4309-4324.	1.3	31
151	Effect of locomotor demands on cognitive processing. Scientific Reports, 2019, 9, 9234.	1.6	25
152	A tool for functional brain imaging with lifespan compliance. Nature Communications, 2019, 10, 4785.	5.8	96
153	Nonlinear dynamics captures brain states at different levels of consciousness in patients anesthetized with propofol. PLoS ONE, 2019, 14, e0223921.	1.1	16
154	Optimization of Real-Time EEG Artifact Removal and Emotion Estimation for Human-Robot Interaction Applications. Frontiers in Computational Neuroscience, 2019, 13, 80.	1.2	26
155	Large-scale cortical travelling waves predict localized future cortical signals. PLoS Computational Biology, 2019, 15, e1007316.	1.5	15
156	Estimating Cognitive Workload in an Interactive Virtual Reality Environment Using EEG. Frontiers in Human Neuroscience, 2019, 13, 401.	1.0	69
157	A single case design to examine short-term intracranial EEG patterns during focused meditation. Neuroscience Letters, 2019, 711, 134441.	1.0	5
158	Imaging the human hippocampus with optically-pumped magnetoencephalography. NeuroImage, 2019, 203, 116192.	2.1	52
159	Online EEG Seizure Detection and Localization. Algorithms, 2019, 12, 176.	1.2	14
160	New Horizons in Early Dementia Diagnosis: Can Cerebellar Stimulation Untangle the Knot?. Journal of Clinical Medicine, 2019, 8, 1470.	1.0	4
161	Heterogeneous profiles of coupled sleep oscillations in human hippocampus. NeuroImage, 2019, 202, 116178.	2.1	22
162	Predicting naming responses based on pre-articulatory electrical activity in individuals with aphasia. Clinical Neurophysiology, 2019, 130, 2153-2163.	0.7	6
163	Selective effects of acute low-grade inflammation on human visual attention. NeuroImage, 2019, 202, 116098.	2.1	11

#	Article	IF	Citations
164	Neurochemical models of near-death experiences: A large-scale study based on the semantic similarity of written reports. Consciousness and Cognition, 2019, 69, 52-69.	0.8	48
165	Reduced frontal gamma power at 24 months is associated with better expressive language in toddlers at risk for autism. Autism Research, 2019, 12, 1211-1224.	2.1	30
166	EEG Reactivity Predicts Individual Efficacy of Vagal Nerve Stimulation in Intractable Epileptics. Frontiers in Neurology, 2019, 10, 392.	1.1	19
167	EEG model stability and online decoding of attentional demand during gait using gamma band features. Neurocomputing, 2019, 360, 151-162.	3.5	6
168	Characterization and real-time removal of motion artifacts from EEG signals. Journal of Neural Engineering, 2019, 16, 056027.	1.8	41
169	Spectral signatures of serotonergic psychedelics and glutamatergic dissociatives. NeuroImage, 2019, 200, 281-291.	2.1	31
170	Trial-by-trial source-resolved EEG responses to gait task challenges predict subsequent step adaptation. NeuroImage, 2019, 199, 691-703.	2.1	25
171	From intermodulation components to visual perception and cognition-a review. NeuroImage, 2019, 199, 480-494.	2.1	33
172	Towards OPM-MEG in a virtual reality environment. NeuroImage, 2019, 199, 408-417.	2.1	87
173	Brain–Heart Interactions Underlying Traditional Tibetan Buddhist Meditation. Cerebral Cortex, 2020, 30, 439-450.	1.6	19
174	Head and eye movements influence the decoding of different reaching directions from EEG. , 2019, , .		0
175	Dissociating neural activity associated with the subjective phenomenology of monocular stereopsis: An EEG study. Neuropsychologia, 2019, 129, 357-371.	0.7	6
176	Flexible Paper Touchpad for Parkinson's Hand Tremor Detection. Sensors and Actuators A: Physical, 2019, 294, 164-172.	2.0	20
177	Removal of Muscle Artifacts From the EEG: A Review and Recommendations. IEEE Sensors Journal, 2019, 19, 5353-5368.	2.4	66
178	Cortical distance, not cancellation, dominates inter-subject EEG gamma rhythm amplitude. NeuroImage, 2019, 192, 156-165.	2.1	17
179	Robustness of functional connectivity metrics for EEG-based personal identification over task-induced intra-class and inter-class variations. Pattern Recognition Letters, 2019, 125, 49-54.	2.6	41
180	A Dementia Classification Framework Using Frequency and Time-Frequency Features Based on EEG Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 826-835.	2.7	76
181	Neurofeedback Training of Gamma Oscillations in Monkey Primary Visual Cortex. Cerebral Cortex, 2019, 29, 4785-4802.	1.6	12

#	ARTICLE	IF	CITATIONS
182	Disrupted emotional neural circuitry in adolescents with borderline personality traits. Neuroscience Letters, 2019, 701, 112-118.	1.0	7
183	Functional EEG connectivity in infants associates with later restricted and repetitive behaviours in autism; a replication study. Translational Psychiatry, 2019, 9, 66.	2.4	81
184	Enhanced Auditory Steady-State Response Using an Optimized Chirp Stimulus-Evoked Paradigm. Sensors, 2019, 19, 748.	2.1	7
185	Quality Assessment of Single-Channel EEG for Wearable Devices. Sensors, 2019, 19, 601.	2.1	24
186	Brain waves. , 2019, , 43-47.		1
187	A Novel EEG-Based Four-Class Linguistic BCI. , 2019, 2019, 3050-3053.		6
188	A Frequency Division Based Approach for EMG Artifact Minimization from Single Channel EEG. , 2019, , .		1
189	Pointâ€ofâ€care stress detection of muscles using a flexible surface potential measurement prototype. Medical Devices & Sensors, 2019, 2, e10054.	2.7	3
190	Artifacts in Simultaneous hdEEG/fMRI Imaging: A Nonlinear Dimensionality Reduction Approach. Sensors, 2019, 19, 4454.	2.1	8
191	EEG Spectral Conditioning for Cognitive-state Classification in Interactive Virtual Reality. , 2019, , .		2
192	Prefrontal high gamma during a magnetoencephalographic working memory task. Human Brain Mapping, 2019, 40, 1774-1785.	1.9	10
193	The Relative Contribution of High-Gamma Linguistic Processing Stages of Word Production, and Motor Imagery of Articulation in Class Separability of Covert Speech Tasks in EEG Data. Journal of Medical Systems, 2019, 43, 20.	2.2	18
194	Optimized deep neural network architecture for robust detection of epileptic seizures using EEG signals. Clinical Neurophysiology, 2019, 130, 25-37.	0.7	150
195	Spatial and spectral trajectories in typical neurodevelopment from childhood to middle age. Network Neuroscience, 2019, 3, 497-520.	1.4	27
196	Abnormal functional connectivity under somatosensory stimulation in migraine: a multi-frequency magnetoencephalography study. Journal of Headache and Pain, 2019, 20, 3.	2.5	24
197	Beta oscillations precede joint attention and correlate with mentalization in typical development and autism. Cortex, 2019, 113, 210-228.	1.1	20
198	Enhanced Early Visual Responses During Implicit Emotional Faces Processing in Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2019, 49, 871-886.	1.7	16
199	Prefrontal gamma oscillations reflect ongoing pain intensity in chronic back pain patients. Human Brain Mapping, 2019, 40, 293-305.	1.9	90

#	Article	IF	Citations
200	A Switch and Wave of Neuronal Activity in the Cerebral Cortex During the First Second of Conscious Perception. Cerebral Cortex, 2019, 29, 461-474.	1.6	21
201	Characteristic Increases in EEG Connectivity Correlate With Changes of Structural MRI in Amyotrophic Lateral Sclerosis. Cerebral Cortex, 2019, 29, 27-41.	1.6	76
202	Recovery of information from latent memory stores decreases over time. Cognitive Neuroscience, 2020, 11, 101-110.	0.6	9
203	Comparison of a Pragmatic and Regression Approach for Wearable EEG Signal Quality Assessment. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 735-746.	3.9	10
204	Headache Related Alterations of Visual Processing in Migraine Patients. Journal of Pain, 2020, 21, 593-602.	0.7	9
205	EEG mobility artifact removal for ambulatory epileptic seizure prediction applications. Biomedical Signal Processing and Control, 2020, 55, 101638.	3.5	33
206	ReMAE: User-Friendly Toolbox for Removing Muscle Artifacts From EEG. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2105-2119.	2.4	30
207	Neurophysiological basis of contrast dependent BOLD orientation tuning. NeuroImage, 2020, 206, 116323.	2.1	5
208	A neurophysiological model of speech production deficits in fragile X syndrome. Brain Communications, 2020, 2, .	1.5	15
209	Atypical gamma functional connectivity pattern during light sleep in children with attention deficit hyperactivity disorder. Brain and Development, 2020, 42, 129-139.	0.6	9
210	Spintronic Sensors Based on Magnetic Tunnel Junctions for Wireless Eye Movement Gesture Control. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 1299-1310.	2.7	21
211	The Influence of Physiological and Psychological Learning Mechanisms in Neurofeedback vs. Mental Imagery Against Binge Eating. Applied Psychophysiology Biofeedback, 2020, 45, 293-305.	1.0	7
212	High gamma cortical processing of continuous speech in younger and older listeners. NeuroImage, 2020, 222, 117291.	2.1	39
213	Frequency-specific neural synchrony in autism during memory encoding, maintenance and recognition. Brain Communications, 2020, 2, fcaa094.	1.5	6
214	A deep CNN approach to decode motor preparation of upper limbs from time–frequency maps of EEG signals at source level. Neural Networks, 2020, 124, 357-372.	3.3	109
215	Stereotactic electroencephalography in humans reveals multisensory signal in early visual and auditory cortices. Cortex, 2020, 126, 253-264.	1.1	20
216	Sex differences in high-level appreciation of automobile design-evoked gamma broadband synchronization. Scientific Reports, 2020, 10, 9797.	1.6	5
217	Compromised Behavior and Gamma Power During Working Memory in Cognitively Healthy Individuals With Abnormal CSF Amyloid/Tau. Frontiers in Aging Neuroscience, 2020, 12, 574214.	1.7	9

#	ARTICLE	IF	CITATIONS
218	Engagement Enhancement Based on Human-in-the-Loop Optimization for Neural Rehabilitation. Frontiers in Neurorobotics, 2020, 14, 596019.	1.6	3
219	Refinement of High-Gamma EEG Features From TBI Patients With Hemicraniectomy Using an ICA Informed by Simulated Myoelectric Artifacts. Frontiers in Neuroscience, 2020, 14, 599010.	1.4	3
220	A pilot study: Auditory steady-state responses (ASSR) can be measured in human fetuses using fetal magnetoencephalography (fMEG). PLoS ONE, 2020, 15, e0235310.	1.1	4
221	Predicting stroke severity with a 3-min recording from the Muse portable EEG system for rapid diagnosis of stroke. Scientific Reports, 2020, 10, 18465.	1.6	48
222	Heart–brain interactions during social and cognitive stress in hypertensive disease: A multidimensional approach. European Journal of Neuroscience, 2022, 55, 2836-2850.	1.2	8
223	Using multiple short epochs optimises the stability of infant EEG connectivity parameters. Scientific Reports, 2020, 10, 12703.	1.6	25
224	Oscillatory brain activity and maintenance of verbal and visual working memory: A systematic review. Psychophysiology, 2022, 59, e13735.	1.2	51
225	Increased Phase Cone Turnover in 80–250 Hz Bands Occurs in the Epileptogenic Zone During Interictal Periods. Frontiers in Human Neuroscience, 2020, 14, 615744.	1.0	4
226	PASS: A Multimodal Database of Physical Activity and Stress for Mobile Passive Body/ Brain-Computer Interface Research. Frontiers in Neuroscience, 2020, 14, 542934.	1.4	16
227	Identification of the sleep–wake states in rats using the high–frequency activity of the electroencephalogram. Journal of Sleep Research, 2021, 30, e13233.	1.7	3
228	Intermittent tACS during a visual task impacts neural oscillations and LZW complexity. Experimental Brain Research, 2020, 238, 1411-1422.	0.7	4
229	Functional connectivity of EEG is subject-specific, associated with phenotype, and different from fMRI. NeuroImage, 2020, 218, 117001.	2.1	58
230	Involvement of Frontal Functions in Pain Tolerance in Aging: Evidence From Neuropsychological Assessments and Gamma-Band Oscillations. Frontiers in Aging Neuroscience, 2020, 12, 131.	1.7	10
231	Mu-Beta event-related (de)synchronization and EEG classification of left-right foot dorsiflexion kinaesthetic motor imagery for BCI. PLoS ONE, 2020, 15, e0230184.	1.1	30
232	Early gamma-oscillations as correlate of localized nociceptive processing in primary sensorimotor cortex. Journal of Neurophysiology, 2020, 123, 1711-1726.	0.9	33
233	Real-Time Multi-Modal Estimation of Dynamically Evoked Emotions Using EEG, Heart Rate and Galvanic Skin Response. International Journal of Neural Systems, 2020, 30, 2050013.	3.2	20
234	Self-regulated critical brain dynamics originate from high frequency-band activity in the MEG. PLoS ONE, 2020, 15, e0233589.	1.1	7
235	Reduced auditory steady state responses in autism spectrum disorder. Molecular Autism, 2020, 11, 56.	2.6	40

#	ARTICLE	IF	CITATIONS
236	Alleviation of ADHD symptoms by non-invasive right prefrontal stimulation is correlated with EEG activity. NeuroImage: Clinical, 2020, 26, 102206.	1.4	27
237	Detectability of cerebellar activity with magnetoencephalography and electroencephalography. Human Brain Mapping, 2020, 41, 2357-2372.	1.9	36
238	Dual-process contributions to creativity in jazz improvisations: An SPM-EEG study. NeuroImage, 2020, 213, 116632.	2.1	31
239	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. NeuroImage, 2020, 216, 116788.	2.1	16
240	Neuro-dynamics of executive control in bilingual language switching: An MEG study. Cognition, 2020, 199, 104247.	1.1	8
241	Coupling of gamma band activity to sleep spindle oscillations â€" a combined EEG/MEG study. NeuroImage, 2021, 224, 117452.	2.1	17
242	Reproducibility of power spectrum, functional connectivity and network construction in resting-state EEG. Journal of Neuroscience Methods, 2021, 348, 108985.	1.3	31
243	Gamma oscillations predict paroxetine response of patients with Obsessive Compulsive Disorder. Journal of Obsessive-Compulsive and Related Disorders, 2021, 28, 100620.	0.7	2
244	Whole-Head Magnetoencephalogram and Its Application in Developmental Communication Disorders Research: A Review. IEEE Access, 2021, 9, 42515-42532.	2.6	7
245	Electromyogram (EMG) Removal by Adding Sources of EMG (ERASE)â€"A Novel ICA-Based Algorithm for Removing Myoelectric Artifacts From EEG. Frontiers in Neuroscience, 2020, 14, 597941.	1.4	15
246	Emotional Well-Being in Urban Wilderness: Assessing States of Calmness and Alertness in Informal Green Spaces (IGSs) with Museâ€"Portable EEG Headband. Sustainability, 2021, 13, 2212.	1.6	24
247	Resistance-induced brain activity changes during cycle ergometer exercises. BMC Sports Science, Medicine and Rehabilitation, 2021, 13, 27.	0.7	6
248	Magnetoencephalography: physics, techniques, and applications in the basic and clinical neurosciences. Journal of Neurophysiology, 2021, 125, 938-956.	0.9	6
249	EEG-inception: an accurate and robust end-to-end neural network for EEG-based motor imagery classification. Journal of Neural Engineering, 2021, 18, 046014.	1.8	72
250	Abnormalities in cortical pattern of coherence in migraine detected using ultra high-density EEG. Brain Communications, 2021, 3, fcab061.	1.5	10
251	Adaptive Filtering for Improved EEG-Based Mental Workload Assessment of Ambulant Users. Frontiers in Neuroscience, 2021, 15, 611962.	1.4	22
252	Spectrum Degradation of Hippocampal LFP During Euthanasia. Frontiers in Systems Neuroscience, 2021, 15, 647011.	1.2	5
253	The neuronal associations of respiratory-volume variability in the resting state. NeuroImage, 2021, 230, 117783.	2.1	9

#	ARTICLE	IF	CITATIONS
254	Decoding Covert Speech From EEG-A Comprehensive Review. Frontiers in Neuroscience, 2021, 15, 642251.	1.4	50
255	Continuous sensorimotor rhythm based brain computer interface learning in a large population. Scientific Data, 2021, 8, 98.	2.4	21
256	High-gamma oscillations as neurocorrelates of ADHD: A MEG crossover placebo-controlled study. Journal of Psychiatric Research, 2021, 137, 186-193.	1.5	5
257	Identification of inter-ictal activity in novel data by bagged prediction method using beta and gamma waves. Multimedia Tools and Applications, 0, , 1.	2.6	0
258	A novel method to simultaneously record spinal cord electrophysiology and electroencephalography signals. NeuroImage, 2021, 232, 117892.	2.1	1
260	Neurocognitive subprocesses of working memory performance. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 1130-1152.	1.0	8
261	EEG changes reflecting pain: is alpha suppression better than gamma enhancement?. Neurophysiologie Clinique, 2021, 51, 209-218.	1.0	12
262	Memory for Stimulus Duration Is Not Bound to Spatial Information. Journal of Cognitive Neuroscience, 2021, 33, 1211-1229.	1.1	2
263	Measuring the cortical tracking of speech with optically-pumped magnetometers. NeuroImage, 2021, 233, 117969.	2.1	22
264	A Novel Convolutional Neural Network Model to Remove Muscle Artifacts from EEG. , 2021, , .		25
265	Spatial and Frequency-specific Electrophysiological Signatures of Tonic Pain Recovery in Humans. Neuroscience, 2021, 465, 23-37.	1.1	9
266	Correcting MEG Artifacts Caused by Overt Speech. Frontiers in Neuroscience, 2021, 15, 682419.	1.4	7
267	Visual gamma oscillations predict sensory sensitivity in females as they do in males. Scientific Reports, 2021, 11, 12013.	1.6	4
268	Gamma-band activities in the context of pain: A signal from brain or muscle?. Neurophysiologie Clinique, 2021, 51, 287-289.	1.0	3
269	Spatiotemporal dynamics of maximal and minimal EEG spectral power. PLoS ONE, 2021, 16, e0253813.	1.1	4
270	A novel tool for the removal of muscle artefacts from EEG: Improving data quality in the gamma frequency range. Journal of Neuroscience Methods, 2021, 358, 109217.	1.3	6
271	Single-Channel EEG Signal Enhancement in Presence of EMG artifact using ELM-based Regressor. , 2021, , .		0
272	EEG Correlates of Sustained Attention Variability during Discrete Multi-finger Force Control Tasks. IEEE Transactions on Haptics, 2021, 14, 526-537.	1.8	4

#	Article	IF	Citations
273	EEG personal recognition based on â€˜qualified majorityâ€™ over signal patches. IET Biometrics, 2022, 11, 63-78.	1.6	4
274	Automated EOG Removal from EEG Signal Using Independent Component Analysis and Machine Learning Algorithms. IFMBE Proceedings, 2022, , 1001-1016.	0.2	1
275	A Hybrid-Domain Deep Learning-Based BCI For Discriminating Hand Motion Planning From EEG Sources. International Journal of Neural Systems, 2021, 31, 2150038.	3.2	44
276	Parametric Cortical Representations of Complexity and Preference for Artistic and Computer-Generated Fractal Patterns Revealed by Single-Trial EEG Power Spectral Analysis. NeuroImage, 2021, 236, 118092.	2.1	4
277	Yet another artefact rejection study: an exploration of cleaning methods for biological and neuromodulatory noise. Journal of Neural Engineering, 2021, 18, 0460c2.	1.8	11
278	Shortâ€term changes in cortical physiological arousal measured by electroencephalography during thalamic centromedian deep brain stimulation. Epilepsia, 2021, 62, 2604-2614.	2.6	9
279	The developing relations between networks of cortical myelin and neurophysiological connectivity. NeuroImage, 2021, 237, 118142.	2.1	15
281	Nonlinear extensions of new causality. Neuroscience Informatics, 2021, 1, 100001.	2.8	0
283	Biomagnetometry is warming up from liquid helium to room temperature. Clinical Neurophysiology, 2021, 132, 2666-2667.	0.7	1
284	EEGdenoiseNet: a benchmark dataset for deep learning solutions of EEG denoising. Journal of Neural Engineering, 2021, 18, 056057.	1.8	71
285	Scale-specific dynamics of high-amplitude bursts in EEG capture behaviorally meaningful variability. NeuroImage, 2021, 241, 118425.	2.1	8
286	MEGnet: Automatic ICA-based artifact removal for MEG using spatiotemporal convolutional neural networks. NeuroImage, 2021, 241, 118402.	2.1	12
288	Effectiveness of Employing Multimodal Signals in Removing Artifacts from Neuronal Signals: An Empirical Analysis. Lecture Notes in Computer Science, 2020, , 183-193.	1.0	9
289	Human Computer Interaction Meets Psychophysiology: A Critical Perspective. Lecture Notes in Computer Science, 2015, , 145-158.	1.0	7
290	Visual Detection of High Frequency Oscillations in MEG. Biosystems and Biorobotics, 2017, , 769-773.	0.2	2
291	Using Convolutional Neural Networks to Automatically Detect Eye-Blink Artifacts in Magnetoencephalography Without Resorting to Electrooculography. Lecture Notes in Computer Science, 2017, 10435, 374-381.	1.0	11
292	The effect of painful laser stimuli on EEG gamma-band activity in migraine patients and healthy controls. Clinical Neurophysiology, 2020, 131, 1755-1766.	0.7	15
293	Noisy EEG signals classification based on entropy metrics. Performance assessment using first and second generation statistics. Computers in Biology and Medicine, 2017, 87, 141-151.	3.9	21

#	ARTICLE	IF	CITATIONS
294	Differentiation of pain levels by deploying various electroencephalogram synchronization features and a dynamic ensemble selection mechanism. Physiological Measurement, 2020, 41, 115004.	1.2	3
300	Classification of Brain Activity Patterns Using Machine Learning Based on EEG Data. , 2020, , .		6
301	A Novel Method to Understand Neural Oscillations During Full-Body Reaching: A Combined EEG and 3D Virtual Reality Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 3074-3082.	2.7	11
302	High Gamma Oscillations in Medial Temporal Lobe during Overt Production of Speech and Gestures. PLoS ONE, 2014, 9, e111473.	1.1	4
303	Localizing Movement-Related Primary Sensorimotor Cortices with Multi-Band EEG Frequency Changes and Functional MRI. PLoS ONE, 2014, 9, e112103.	1.1	22
304	Accounting for Linear Transformations of EEG and MEG Data in Source Analysis. PLoS ONE, 2015, 10, e0121048.	1.1	9
305	Increased gamma band activity for lateral interactions in humans. PLoS ONE, 2017, 12, e0187520.	1.1	3
306	A non-invasive, quantitative study of broadband spectral responses in human visual cortex. PLoS ONE, 2018, 13, e0193107.	1.1	13
307	Association Between Residual Inhibition and Neural Activity in Patients with Tinnitus: Protocol for a Controlled Within- and Between-Subject Comparison Study. JMIR Research Protocols, 2019, 8, e12270.	0.5	9
308	The heritability of multi-modal connectivity in human brain activity. ELife, 2017, 6, .	2.8	107
309	Alterations in the amplitude and burst rate of beta oscillations impair reward-dependent motor learning in anxiety. ELife, 2020, 9, .	2.8	29
310	Gamma Power of Electroencephalogram Arousal Is Modulated by Respiratory Event Type and Severity in Obstructive Sleep Apnea. IEEE Transactions on Biomedical Engineering, 2022, 69, 1417-1423.	2.5	6
311	Deep Learning Approach for EEG Artifact Identification and Classification. , 2021, , .		2
314	Psilocin, LSD, mescaline, and DOB all induce broadband desynchronization of EEG and disconnection in rats with robust translational validity. Translational Psychiatry, 2021, 11, 506.	2.4	19
315	Automatic classification of ICA components from infant EEG using MARA. Developmental Cognitive Neuroscience, 2021, 52, 101024.	1.9	20
316	A visual encoding model links magnetoencephalography signals to neural synchrony in human cortex. NeuroImage, 2021, 245, 118655.	2.1	3
317	Gamma Rhythm, Neural Population Models of the. , 2014, , 1-10.		1
319	Alpha Hypersynchrony and Atypical Memory Processes in Soldiers with Post-Traumatic Stress Disorder. Journal of Neuroimaging in Psychiatry & Neurology, 0, , .	0.4	0

#	Article	IF	Citations
320	Chapter 22 Gamma abnormalities in autism spectrum disorders. , 2016, , 457-496.		0
321	Using a Simple Electroencephalograph for Activity Recognition of Learners. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 542-546.	0.1	0
327	Study of Various Automatic EEG Artifact Removal Techniques. International Journal for Research in Applied Science and Engineering Technology, 2017, V, 1027-1037.	0.1	3
329	Application of time-frequency analysis in investigating non-phase locked components of EEG. Advances in Psychological Science, 2018, 26, 1349.	0.2	0
332	EEG Preprocessing and Denoising. , 2019, , 71-87.		12
342	Decoding subjective emotional arousal from EEG during an immersive virtual reality experience. ELife, 2021, 10, .	2.8	34
343	Integrated space–frequency–time domain feature extraction for MEG-based Alzheimer's disease classification. Brain Informatics, 2021, 8, 24.	1.8	6
346	A systematic review of personal thermal comfort models. Building and Environment, 2022, 207, 108502.	3.0	67
353	Prospective MEG biomarkers in ASD: pre-clinical evidence and clinical promise of electrophysiological signatures. Yale Journal of Biology and Medicine, 2015, 88, 25-36.	0.2	32
354	Low-Amplitude Craniofacial EMG Power Spectral Density and 3D Muscle Reconstruction from MRI. European Journal of Translational Myology, 2015, 25, 4886.	0.8	3
355	On the extraction of purely motor EEG neural correlates during an upper limb visuomotor task. Cerebral Cortex, 2022, 32, 4243-4254.	1.6	6
356	A Structured Approach to Test the Signal Quality of Electroencephalography Measurements During Use of Head-Mounted Displays for Virtual Reality Applications. Frontiers in Neuroscience, 2021, 15, 733673.	1.4	8
357	Mobile Electroencephalography for Studying Neural Control of Human Locomotion. Frontiers in Human Neuroscience, 2021, 15, 749017.	1.0	4
358	Single-Trial MEG Data Can Be Denoised Through Cross-Subject Predictive Modeling. Frontiers in Computational Neuroscience, 2021, 15, 737324.	1.2	1
359	Functional connectivity using high density EEG shows competitive reliability and agreement across test/retest sessions. Journal of Neuroscience Methods, 2022, 367, 109424.	1.3	12
363	Natural vs forced language switching: Free selection and consistent language use eliminate significant performance costs and cognitive demands in the brain. NeuroImage, 2022, 247, 118797.	2.1	13
364	An EEG-Based Multi-Modal Emotion Database with Both Posed and Authentic Facial Actions for Emotion Analysis. , 2020, , .		8
365	A Two-Person Neuroscience Approach for Social Anxiety: A Paradigm With Interbrain Synchrony and Neurofeedback. Frontiers in Psychology, 2021, 12, 568921.	1.1	6

#	Article	IF	Citations
366	Adaptive Single-Channel EEG Artifact Removal With Applications to Clinical Monitoring. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 286-295.	2.7	13
368	Periodic and aperiodic neural activity displays age-dependent changes across early-to-middle childhood. Developmental Cognitive Neuroscience, 2022, 54, 101076.	1.9	58
369	Optimizing EEG Source Reconstruction with Concurrent fMRI-Derived Spatial Priors. Brain Topography, 2022, 35, 282-301.	0.8	2
370	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
371	When the Whole Is Less Than the Sum of Its Parts: Maximum Object Category Information and Behavioral Prediction in Multiscale Activation Patterns. Frontiers in Neuroscience, 2022, 16, 825746.	1.4	4
374	Open multimodal iEEG-fMRI dataset from naturalistic stimulation with a short audiovisual film. Scientific Data, 2022, 9, 91.	2.4	10
375	Separating Neural Oscillations from Aperiodic 1/f Activity: Challenges and Recommendations. Neuroinformatics, 2022, 20, 991-1012.	1.5	61
376	Cortical oscillatory dysrhythmias in visual snow syndrome: a magnetoencephalography study. Brain Communications, 2022, 4, fcab296.	1.5	10
377	High-gamma mirror activity patterns in the human brain during reach-to-grasp movement observation, retention, and execution—An MEG study. PLoS ONE, 2021, 16, e0260304.	1.1	3
378	Combined electrophysiological and morphological phenotypes in patients with genetic generalized epilepsy and their healthy siblings. Epilepsia, 2022, 63, 1643-1657.	2.6	8
379	Infant brain imaging using magnetoencephalography: Challenges, solutions, and best practices. Human Brain Mapping, 2022, 43, 3609-3619.	1.9	4
380	Atypical Functional Connectivity During Unfamiliar Music Listening in Children With Autism. Frontiers in Neuroscience, 2022, 16, 829415.	1.4	2
390	Low-amplitude craniofacial EMG power spectral density and 3D muscle reconstruction from MRI. European Journal of Translational Myology, 2015, 25, 93.	0.8	3
391	Attentional modulation of beta-power aligns with the timing of behaviorally relevant rhythmic sounds. Cerebral Cortex, 2023, 33, 1876-1894.	1.6	2
392	Modeling the Hemodynamic Response Function Using EEG-fMRI Data During Eyes-Open Resting-State Conditions and Motor Task Execution. Brain Topography, 2022, 35, 302-321.	0.8	7
393	Effects of beta-band and gamma-band rhythmic stimulation on motor inhibition. IScience, 2022, 25, 104338.	1.9	12
394	Brains in Sync: Practical Guideline for Parent–Infant EEG During Natural Interaction. Frontiers in Psychology, 2022, 13, 833112.	1.1	5
395	Globally elevated excitation–inhibition ratio in children with autism spectrum disorder and below-average intelligence. Molecular Autism, 2022, 13, 20.	2.6	20

#	ARTICLE	IF	CITATIONS
396	Variability and task-responsiveness of electrophysiological dynamics: Scale-free stability and oscillatory flexibility. NeuroImage, 2022, 256, 119245.	2.1	14
397	Power shift and connectivity changes in healthy aging during resting-state EEG. NeuroImage, 2022, 256, 119247.	2.1	9
398	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis. Molecular Autism, 2022, 13, 22.	2.6	20
399	Cautionary Observations Concerning the Introduction of Psychophysiological Biomarkers into Neuropsychiatric Practice. Psychiatry International, 2022, 3, 181-205.	0.5	0
400	Commentary: Enhanced Interplay of Neuronal Coherence and Coupling in the Dying Human Brain. Frontiers in Aging Neuroscience, 0, 14, .	1.7	1
401	Development of an Adaptive Artifact Subspace Reconstruction Based on Hebbian/Anti-Hebbian Learning Networks for Enhancing BCI Performance. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 348-361.	7.2	8
403	The natural frequencies of the resting human brain: An MEG-based atlas. NeuroImage, 2022, 258, 119373.	2.1	18
404	Gamma Rhythm, Neural Population Models of the. , 2022, , 1489-1496.		0
405	Quantitative signal quality assessment for large-scale continuous scalp electroencephalography from a big data perspective. Physiological Measurement, 2023, 44, 035009.	1.2	1
406	Is Cortical Theta-Gamma Phase-Amplitude Coupling Memory-Specific?. Brain Sciences, 2022, 12, 1131.	1.1	3
407	Turning OPM-MEG into a Wearable Technology. , 2022, , 195-223.		0
408	Enhanced Computation of the EEG-IC Polarities using a Genetic Algorithm. , 2022, , .		1
409	A Saliency based Feature Fusion Model for EEG Emotion Estimation. , 2022, , .		4
410	N-acetylcysteine treatment mitigates loss of cortical parvalbumin-positive interneuron and perineuronal net integrity resulting from persistent oxidative stress in a rat TBI model. Cerebral Cortex, 2023, 33, 4070-4084.	1.6	3
411	Sources of Variation in the Spectral Slope of the Sleep EEG. ENeuro, 2022, 9, ENEURO.0094-22.2022.	0.9	7
412	Resting-state electroencephalographic correlates of cognitive reserve: Moderating the age-related worsening in cognitive function. Frontiers in Aging Neuroscience, 0, 14, .	1.7	2
413	Oscillatory beta/alpha band modulations: A potential biomarker of functional language and motor recovery in chronic stroke?. Frontiers in Human Neuroscience, 0, 16, .	1.0	8
415	Dual-MEG interbrain synchronization during turn-taking verbal interactions between mothers and children. Cerebral Cortex, 2023, 33, 4116-4134.	1.6	3

#	Article	IF	Citations
416	EMHapp: a pipeline for the automatic detection, localization and visualization of epileptic magnetoencephalographic high-frequency oscillations. Journal of Neural Engineering, 2022, 19, 055009.	1.8	1
417	Development of an EEG artefact detection algorithm and its application in grading neonatal hypoxic-ischemic encephalopathy. Expert Systems With Applications, 2023, 213, 118917.	4.4	5
418	Sleep medicine: Practice, challenges and new frontiers. Frontiers in Neurology, 0, 13, .	1.1	10
419	A multivariate comparison of electroencephalogram and functional magnetic resonance imaging to electrocorticogram using visual object representations in humans. Frontiers in Neuroscience, 0, 16, .	1.4	2
420	Gamma-band entrainment abnormalities in schizophrenia: Modality-specific or cortex-wide impairment?. , 2022, 131, 895-905.		0
421	A Survey on Physiological Signal-Based Emotion Recognition. Bioengineering, 2022, 9, 688.	1.6	14
422	Quantifying the impact and profiling functional EEG artifacts. , 2022, , .		0
423	Modulation of theta and gamma oscillations during familiarization with previously unknown music. Brain Research, 2023, 1800, 148198.	1.1	2
424	Decoding the cognitive states of attention and distraction in a real-life setting using EEG. Scientific Reports, 2022, 12, .	1.6	6
425	The dynamics of cortical interactions in visual recognition of object category: living versus nonliving. Cerebral Cortex, 0, , .	1.6	0
426	Preliminary Observations of Resting-State Magnetoencephalography in Nonmedicated Children with Obsessive-Compulsive Disorder. Journal of Child and Adolescent Psychopharmacology, 2022, 32, 522-532.	0.7	0
427	Ear-EEG sensitivity modeling for neural sources and ocular artifacts. Frontiers in Neuroscience, 0, 16, .	1.4	4
428	Gamma Oscillations and Potassium Channel Modulation in Schizophrenia: Targeting GABAergic Dysfunction. Clinical EEG and Neuroscience, 2024, 55, 203-213.	0.9	7
430	Wearable System Based on Ultra-Thin Parylene C Tattoo Electrodes for EEG Recording. Sensors, 2023, 23, 766.	2.1	11
431	Altered visual cortex excitability in premenstrual dysphoric disorder: Evidence from magnetoencephalographic gamma oscillations and perceptual suppression. PLoS ONE, 2022, 17, e0279868.	1.1	2
432	RELAX part 2: A fully automated EEG data cleaning algorithm that is applicable to Event-Related-Potentials. Clinical Neurophysiology, 2023, 149, 202-222.	0.7	11
434	Non-invasive mapping of epileptogenic networks predicts surgical outcome. Brain, 2023, 146, 1916-1931.	3.7	11
435	Reduced gamma oscillation during visual processing of the mother's face in children with autism spectrum disorder: A pilot study. , 2023, 2, .		1

#	ARTICLE	IF	CITATIONS
436	Introducing RELAX: An automated pre-processing pipeline for cleaning EEG data - Part 1: Algorithm and application to oscillations. Clinical Neurophysiology, 2023, 149, 178-201.	0.7	16
437	Spectral Changes of EEG Following a 6-Week Low-Dose Oral Ketamine Treatment in Adults With Major Depressive Disorder and Chronic Suicidality. International Journal of Neuropsychopharmacology, 2023, 26, 259-267.	1.0	3
439	Dynamic fluctuations in ascending heart-to-brain communication under mental stress. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2023, 324, R513-R525.	0.9	8
440	Hybrid Genetic Algorithm for Clustering IC Topographies of EEGs. Brain Topography, 0, , .	0.8	0
441	Neural Activity and Oscillations as Biological Markers in Traumatic Brain Injury. Biomarkers in Disease, 2023, , 993-1012.	0.0	0
442	Identifying optimal channels and features for multi-participant motor imagery experiments across a participantâ€™s multi-day multi-class EEG data. Cognitive Neurodynamics, 0, , .	2.3	0
443	Feature Analysis for Motor Imagery EEG Signals with Different Classification Schemes. Sakarya University Journal of Science, 2023, 27, 259-270.	0.3	0
444	Heritability of human â€œdirectedâ€• functional connectome. Brain and Behavior, 2023, 13, .	1.0	1
445	The goal of explaining black boxes in <scp>EEG</scp> seizure prediction is not to explain models' decisions. Epilepsia Open, 2023, 8, 285-297.	1.3	4
459	When can you trust beta: detecting electromyography contamination of the electroencephalogram signal to enhance assessment of quantitative electroencephalogram and electroencephalogram training. , 2023, , 93-102.		0
464	Fundamentals of Electroencephalography and Magnetoencephalography. Neuromethods, 2023, , 163-194.	0.2	0
467	Recent development since 2014 in multimodal sensing by vision based tactile sensor using a fluid-type touchpad. , 2023, , .		0
474	Pain-Related Evoked Potentials. Neuromethods, 2024, , 91-107.	0.2	0
476	Resting-state EEG power differences in autism spectrum disorder: a systematic review and meta-analysis. Translational Psychiatry, 2023, 13, .	2.4	1
478	Different Algorithms (Might) Uncover Different Patterns: A Brain-Age Prediction Case Study. , 2023, , .		1