A mechanism for cognitive dynamics: neuronal commu coherence

Trends in Cognitive Sciences 9, 474-480

DOI: 10.1016/j.tics.2005.08.011

Citation Report

#	Article	IF	CITATIONS
2	High Gamma Power Is Phase-Locked to Theta Oscillations in Human Neocortex. Science, 2006, 313, 1626-1628.	6.0	2,269
3	Oscillatory neuronal dynamics during language comprehension. Progress in Brain Research, 2006, 159, 179-196.	0.9	207
4	Oscillatory correlates of the primacy effect in episodic memory. NeuroImage, 2006, 32, 1422-1431.	2.1	139
5	Synchronization likelihood with explicit time-frequency priors. Neurolmage, 2006, 33, 1117-1125.	2.1	168
6	Upper alpha ERD and absolute power: their meaning for memory performance. Progress in Brain Research, 2006, 159, 151-165.	0.9	177
7	Analyzing event-related EEG data with multivariate autoregressive parameters. Progress in Brain Research, 2006, 159, 135-147.	0.9	142
8	Rhinal–hippocampal coupling during declarative memory formation: Dependence on item characteristics. Neuroscience Letters, 2006, 407, 37-41.	1.0	24
9	Neural Synchrony in Brain Disorders: Relevance for Cognitive Dysfunctions and Pathophysiology. Neuron, 2006, 52, 155-168.	3.8	1,807
10	Interhemispheric Integration at Different Spatial Scales: The Evidence From EEG Coherence and fMRI. Journal of Neurophysiology, 2006, 96, 259-275.	0.9	29
11	Neural synchrony in stochastic resonance, attention, and consciousness Canadian Journal of Experimental Psychology, 2006, 60, 319-326.	0.7	55
12	Anticipatory control of long-range phase synchronization. European Journal of Neuroscience, 2006, 24, 2057-2060.	1.2	46
13	Dynamics of hemispheric specialization and integration in the context of motor control. Nature Reviews Neuroscience, 2006, 7, 160-166.	4.9	418
14	The role of neural oscillations in attention: Perspectives for computational models. Neural Networks, 2006, 19, 1445-1446.	3.3	7
15	Memory formation by neuronal synchronization. Brain Research Reviews, 2006, 52, 170-182.	9.1	402
16	Neuronal coherence during selective attentional processing and sensory–motor integration. Journal of Physiology (Paris), 2006, 100, 182-193.	2.1	131
17	Tactile Spatial Attention Enhances Gamma-Band Activity in Somatosensory Cortex and Reduces Low-Frequency Activity in Parieto-Occipital Areas. Journal of Neuroscience, 2006, 26, 490-501.	1.7	417
18	Hierarchical Organization Unveiled by Functional Connectivity in Complex Brain Networks. Physical Review Letters, 2006, 97, 238103.	2.9	426
19	Attention to Painful Stimulation Enhances Â-Band Activity and Synchronization in Human Sensorimotor Cortex. Journal of Neuroscience, 2007, 27, 9270-9277.	1.7	140

#	ARTICLE	IF	Citations
20	Brain Oscillations Control Timing of Single-Neuron Activity in Humans. Journal of Neuroscience, 2007, 27, 3839-3844.	1.7	316
21	A Cholinergic Gating Mechanism Controlled by Competitive Interactions in the Optic Tectum of the Pigeon. Journal of Neuroscience, 2007, 27, 8112-8121.	1.7	88
22	Neurophysiological Endophenotypes Across Bipolar and Schizophrenia Psychosis. Schizophrenia Bulletin, 2007, 34, 760-773.	2.3	180
24	Gamma Oscillations in Human Primary Somatosensory Cortex Reflect Pain Perception. PLoS Biology, 2007, 5, e133.	2.6	307
25	Structure–function relationship in complex brain networks expressed by hierarchical synchronization. New Journal of Physics, 2007, 9, 178-178.	1.2	145
26	Input-Driven Oscillations in Networks with Excitatory and Inhibitory Neurons with Dynamic Synapses. Neural Computation, 2007, 19, 1739-1765.	1.3	29
27	Towards a Cross-Level Theory of Neural Learning. AIP Conference Proceedings, 2007, , .	0.3	4
28	Synchronous Oscillatory Activity and Working Memory in Schizophrenia. Pharmacopsychiatry, 2007, 40, S54-S61.	1.7	16
29	Noise-induced large-scale phase synchronization of human-brain activity associated with behavioural stochastic resonance. Europhysics Letters, 2007, 80, 40009.	0.7	58
30	Expectancy Induces Dynamic Modulation of Corticospinal Excitability. Journal of Cognitive Neuroscience, 2007, 19, 121-131.	1.1	79
31	Intercerebellar Coupling Contributes to Bimanual Coordination. Journal of Cognitive Neuroscience, 2007, 19, 704-719.	1.1	39
32	Genetic Contributions to Long-Range Temporal Correlations in Ongoing Oscillations. Journal of Neuroscience, 2007, 27, 13882-13889.	1.7	119
33	An Olfacto-Hippocampal Network Is Dynamically Involved in Odor-Discrimination Learning. Journal of Neurophysiology, 2007, 98, 2196-2205.	0.9	191
34	SURGERY OF INTRINSIC CEREBRAL TUMORS. Neurosurgery, 2007, 61, SHC-279-SHC-305.	0.6	63
35	The role of impaired neuronal communication in neurological disorders. Current Opinion in Neurology, 2007, 20, 655-660.	1.8	112
36	New vistas for α-frequency band oscillations. Trends in Neurosciences, 2007, 30, 150-158.	4.2	1,184
37	Human gamma-frequency oscillations associated with attention and memory. Trends in Neurosciences, 2007, 30, 317-324.	4.2	992
38	The gamma cycle. Trends in Neurosciences, 2007, 30, 309-316.	4.2	943

#	ARTICLE	IF	CITATIONS
39	Analysis of dynamic brain oscillations: methodological advances. Trends in Neurosciences, 2007, 30, 365-373.	4.2	171
40	The missing link between action and cognition. Progress in Neurobiology, 2007, 82, 95-107.	2.8	83
41	Long-distance alpha-band MEG synchronization maintains selective visual attention. International Congress Series, 2007, 1300, 551-554.	0.2	8
42	Functional neural dynamics underlying auditory event-related N1 and N1 suppression response. Neurolmage, 2007, 36, 522-531.	2.1	48
43	Early electrophysiological markers of visual awareness in the human brain. NeuroImage, 2007, 37, 1329-1337.	2.1	14
44	Prestimulus oscillations predict visual perception performance between and within subjects. Neurolmage, 2007, 37, 1465-1473.	2.1	613
45	Top-Down Versus Bottom-Up Control of Attention in the Prefrontal and Posterior Parietal Cortices. Science, 2007, 315, 1860-1862.	6.0	1,989
46	Modulation of Neuronal Interactions Through Neuronal Synchronization. Science, 2007, 316, 1609-1612.	6.0	1,197
47	Spatiotemporal dynamics of word processing in the human brain. Frontiers in Neuroscience, 2007, 1, 185-196.	1.4	201
48	Phase lag index: Assessment of functional connectivity from multi channel EEG and MEG with diminished bias from common sources. Human Brain Mapping, 2007, 28, 1178-1193.	1.9	1,697
49	Relationship between task-related gamma oscillations and BOLD signal: New insights from combined fMRI and intracranial EEG. Human Brain Mapping, 2007, 28, 1368-1375.	1.9	286
50	Collective signaling behavior in a networked-oscillator model. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 714-724.	1.2	13
51	Event-related phase reorganization may explain evoked neural dynamics. Neuroscience and Biobehavioral Reviews, 2007, 31, 1003-1016.	2.9	264
52	EEG alpha oscillations: The inhibition–timing hypothesis. Brain Research Reviews, 2007, 53, 63-88.	9.1	3,105
53	The role of neuronal synchronization in selective attention. Current Opinion in Neurobiology, 2007, 17, 154-160.	2.0	434
54	Oscillatory interactions between sensorimotor cortex and the periphery. Current Opinion in Neurobiology, 2007, 17, 649-655.	2.0	443
55	Pacemaker and network mechanisms of rhythm generation: Cooperation and competition. Journal of Theoretical Biology, 2008, 253, 452-461.	0.8	16
56	Sportmotorik und Gehirn. Sportwissenschaft, 2008, 38, 423-450.	0.6	3

#	ARTICLE	IF	CITATIONS
57	Asynchrony from synchrony: long-range gamma-band neural synchrony accompanies perception of audiovisual speech asynchrony. Experimental Brain Research, 2008, 185, 11-20.	0.7	54
58	Stimulus-dependent oscillations and evoked potentials in chinchilla auditory cortex. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2008, 194, 693-700.	0.7	11
59	Population synchrony in ecological systems. Population Ecology, 2008, 50, 325-327.	0.7	4
60	Cortical dynamics of word recognition. Human Brain Mapping, 2008, 29, 1215-1230.	1.9	115
61	Synchronization in complex networks. Physics Reports, 2008, 469, 93-153.	10.3	2,928
62	Conscious emotional experience emerges as a function of multilevel, appraisal-driven response synchronization. Consciousness and Cognition, 2008, 17, 484-495.	0.8	257
63	The corpus callosum in dichotic listening studies of hemispheric asymmetry: A review of clinical and experimental evidence. Neuroscience and Biobehavioral Reviews, 2008, 32, 1044-1054.	2.9	155
64	The Electrophysiological Dynamics of Interference during the Stroop Task. Journal of Cognitive Neuroscience, 2008, 20, 215-225.	1.1	399
65	Free choice activates a decision circuit between frontal and parietal cortex. Nature, 2008, 453, 406-409.	13.7	390
66	Regulation of spike timing in visual cortical circuits. Nature Reviews Neuroscience, 2008, 9, 97-107.	4.9	313
67	Enhancement of longâ€range EEG coherence by synchronous bifocal transcranial magnetic stimulation. European Journal of Neuroscience, 2008, 27, 1577-1583.	1.2	54
68	Functional similarities between the P1 component and alpha oscillations. European Journal of Neuroscience, 2008, 27, 2330-2340.	1.2	58
69	Feature-based attention and the suppression of non-relevant object features. Vision Research, 2008, 48, 2696-2707.	0.7	36
70	Attentional changes in pre-stimulus oscillatory activity within early visual cortex are predictive of human visual performance. Brain Research, 2008, 1197, 115-122.	1.1	76
71	The electrical coupling confers to a network of interneurons the ability of transmitting excitatory inputs with high temporal precision. Brain Research, 2008, 1225, 47-56.	1.1	4
72	A short review of slow phase synchronization and memory: Evidence for control processes in different memory systems?. Brain Research, 2008, 1235, 31-44.	1.1	226
73	Integration of Bimodal Looming Signals through Neuronal Coherence in the Temporal Lobe. Current Biology, 2008, 18, 963-968.	1.8	112

#	Article	IF	Citations
75	Superior Temporal Sulcusâ€"It's My Area: Or Is It?. Journal of Cognitive Neuroscience, 2008, 20, 2125-2136.	1.1	386
76	Corollary Discharge Dysfunction in Schizophrenia: Evidence for an Elemental Deficit. Clinical EEG and Neuroscience, 2008, 39, 82-86.	0.9	80
77	Gamma Oscillations and Stimulus Selection. Neural Computation, 2008, 20, 383-414.	1.3	133
78	Neuronal synchrony: Peculiarity and generality. Chaos, 2008, 18, 037119.	1.0	56
79	Neural Dissociation between Visual Awareness and Spatial Attention. Journal of Neuroscience, 2008, 28, 2667-2679.	1.7	338
80	A Small World of Neuronal Synchrony. Cerebral Cortex, 2008, 18, 2891-2901.	1.6	281
81	Neural Correlates of High-Gamma Oscillations (60–200 Hz) in Macaque Local Field Potentials and Their Potential Implications in Electrocorticography. Journal of Neuroscience, 2008, 28, 11526-11536.	1.7	592
82	EEG phase synchronization in patients with paranoid schizophrenia. Neuroscience Letters, 2008, 447, 73-77.	1.0	72
83	High-Frequency Network Oscillations in Cerebellar Cortex. Neuron, 2008, 58, 763-774.	3.8	142
84	Neuronal Synchronization along the Dorsal Visual Pathway Reflects the Focus of Spatial Attention. Neuron, 2008, 60, 709-719.	3.8	448
85	Entrainment of Neocortical Neurons and Gamma Oscillations by the Hippocampal Theta Rhythm. Neuron, 2008, 60, 683-697.	3.8	1,134
86	Crossmodal binding through neural coherence: implications for multisensory processing. Trends in Neurosciences, 2008, 31, 401-409.	4.2	330
87	Large-Scale Gamma-Band Phase Synchronization and Selective Attention. Cerebral Cortex, 2008, 18, 386-396.	1.6	213
88	Combining TMS and EEG to study cognitive function and cortico–cortico interactions. Behavioural Brain Research, 2008, 191, 141-147.	1.2	66
89	Visual areas become less engaged in associative recall following memory stabilization. NeuroImage, 2008, 40, 1319-1327.	2.1	30
90	Neural changes induced by learning a challenging perceptual-motor task. NeuroImage, 2008, 41, 1395-1407.	2.1	56
91	Parieto-frontal gamma band activity during the perceptual emergence of speech forms. NeuroImage, 2008, 42, 404-413.	2.1	27
93	Very Slow EEG Fluctuations Predict the Dynamics of Stimulus Detection and Oscillation Amplitudes in Humans. Journal of Neuroscience, 2008, 28, 8268-8272.	1.7	383

#	Article	IF	CITATIONS
94	The Oscillation Score: An Efficient Method for Estimating Oscillation Strength in Neuronal Activity. Journal of Neurophysiology, 2008, 99, 1333-1353.	0.9	69
95	Entrainment of Neuronal Oscillations as a Mechanism of Attentional Selection. Science, 2008, 320, 110-113.	6.0	1,474
96	Interactions between the Superior Temporal Sulcus and Auditory Cortex Mediate Dynamic Face/Voice Integration in Rhesus Monkeys. Journal of Neuroscience, 2008, 28, 4457-4469.	1.7	210
97	Role of Synchronized Oscillatory Brain Activity for Human Pain Perception. Reviews in the Neurosciences, 2008, 19, 441-50.	1.4	24
98	Dynamical relaying can yield zero time lag neuronal synchrony despite long conduction delays. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17157-17162.	3.3	310
99	The Effects of Visual Stimulation and Selective Visual Attention on Rhythmic Neuronal Synchronization in Macaque Area V4. Journal of Neuroscience, 2008, 28, 4823-4835.	1.7	379
100	Intelligence and Variability in a Simple Timing Task Share Neural Substrates in the Prefrontal White Matter. Journal of Neuroscience, 2008, 28, 4238-4243.	1.7	72
101	A human intracranial study of long-range oscillatory coherence across a frontal–occipital–hippocampal brain network during visual object processing. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4399-4404.	3.3	176
102	Gamma oscillations mediate stimulus competition and attentional selection in a cortical network model. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18023-18028.	3.3	150
103	Synchronous Bursts of Neuronal Activity in the Developing Hippocampus: Modulation by Active Sleep and Association with Emerging Gamma and Theta Rhythms. Journal of Neuroscience, 2008, 28, 10134-10144.	1.7	87
104	Transient Cognitive Dynamics, Metastability, and Decision Making. PLoS Computational Biology, 2008, 4, e1000072.	1.5	272
105	Silence Is Golden: Transient Neural Deactivation in the Prefrontal Cortex during Attentive Reading. Cerebral Cortex, 2008, 18, 443-450.	1.6	80
106	Local Neuroretinal Function during Acute Hypoxia in Healthy Older People., 2008, 49, 807.		14
107	Sensory Gating Endophenotype Based on Its Neural Oscillatory Pattern and Heritability Estimate. Archives of General Psychiatry, 2008, 65, 1008.	13.8	108
108	Routes to synchrony between asymmetrically interacting oscillator ensembles. Physical Review E, 2008, 78, 025201.	0.8	19
109	Segregation by onset asynchrony. Journal of Vision, 2008, 8, 21.	0.1	14
110	Decomposing Neural Synchrony: Toward an Explanation for Near-Zero Phase-Lag in Cortical Oscillatory Networks. PLoS ONE, 2008, 3, e3649.	1.1	39
111	Interactions between posterior gamma and frontal alpha/beta oscillations during imagined actions. Frontiers in Human Neuroscience, 2008, 2, 7.	1.0	124

#	ARTICLE	IF	CITATIONS
112	Posterior parietal cortex controls spatial attention through modulation of anticipatory alpha rhythms. Nature Precedings, 2008, , .	0.1	0
113	Alpha band amplification during illusory jitter perception. Journal of Vision, 2008, 8, 3-3.	0.1	10
114	Predictions of Phase-Locking in Excitatory Hybrid Networks: Excitation Does Not Promote Phase-Locking in Pattern-Generating Networks as Reliably as Inhibition. Journal of Neurophysiology, 2009, 102, 69-84.	0.9	29
115	Cross-frequency coupling in parieto-frontal oscillatory networks during motor imagery revealed by magnetoencephalography. Frontiers in Neuroscience, 2009, 3, 3-4.	1.4	24
116	Oscillatory brain activity related to control mechanisms during laboratory-induced reactive aggression. Frontiers in Behavioral Neuroscience, 2009, 3, 46.	1.0	13
117	Neural synchrony in cortical networks: history, concept and current status. Frontiers in Integrative Neuroscience, 2009, 3, 17.	1.0	571
118	Learning alters theta-nested gamma oscillations in inferotemporal cortex. Nature Precedings, 0, , .	0.1	7
119	Self-organization of feed-forward structure and entrainment in excitatory neural networks with spike-timing-dependent plasticity. Physical Review E, 2009, 79, 051904.	0.8	37
120	Globally clustered chimera states in delay-coupled populations. Physical Review E, 2009, 79, 055203.	0.8	66
121	Synchronous with Your Feelings: Sensorimotor \hat{I}^3 Band and Empathy for Pain. Journal of Neuroscience, 2009, 29, 12384-12392.	1.7	56
122	A MEMS-based flexible multichannel ECoG-electrode array. Journal of Neural Engineering, 2009, 6, 036003.	1.8	354
123	Spatial Profile and Differential Recruitment of GABA _B Modulate Oscillatory Activity in Auditory Cortex. Journal of Neuroscience, 2009, 29, 10321-10334.	1.7	115
124	Gamma-Band Synchronization in the Macaque Hippocampus and Memory Formation. Journal of Neuroscience, 2009, 29, 12521-12531.	1.7	159
125	Learning sculpts the spontaneous activity of the resting human brain. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17558-17563.	3.3	708
126	Theta Phase Synchrony and Conscious Target Perception: Impact of Intensive Mental Training. Journal of Cognitive Neuroscience, 2009, 21, 1536-1549.	1.1	120
128	Is cultivating "biological blindness―a viable route to understanding behavioral phenomena?. Behavioral and Brain Sciences, 2009, 32, 220-221.	0.4	1
129	Rational constructivism: A new way to bridge rationalism and empiricism. Behavioral and Brain Sciences, 2009, 32, 208-209.	0.4	5
130	Saliences, propositions, and amalgams: Emergent learning in nonhumans. Behavioral and Brain Sciences, 2009, 32, 213-214.	0.4	1

#	ARTICLE	IF	CITATIONS
131	A causal framework for integrating learning and reasoning. Behavioral and Brain Sciences, 2009, 32, 211-212.	0.4	4
132	How do we get from propositions to behavior?. Behavioral and Brain Sciences, 2009, 32, 226-227.	0.4	0
133	The truth and value of theories of associative learning. Behavioral and Brain Sciences, 2009, 32, 200-201.	0.4	3
134	Operating principles versus operating conditions in the distinction between associative and propositional processes. Behavioral and Brain Sciences, 2009, 32, 207-208.	0.4	27
135	Is there room for simple links in a propositional mind?. Behavioral and Brain Sciences, 2009, 32, 212-213.	0.4	2
136	Of mice and men: Revisiting the relation of nonhuman and human learning. Behavioral and Brain Sciences, 2009, 32, 224-225.	0.4	0
137	Is propositional learning necessary for human autonomic classical conditioning?. Behavioral and Brain Sciences, 2009, 32, 205-206.	0.4	1
138	Automatic (spontaneous) propositional and associative learning of first impressions. Behavioral and Brain Sciences, 2009, 32, 227-228.	0.4	1
139	A one-system theory that is not propositional. Behavioral and Brain Sciences, 2009, 32, 228-229.	0.4	1
140	Learning in simple systems. Behavioral and Brain Sciences, 2009, 32, 210-211.	0.4	2
141	The Proust effect and the evolution of a dual learning system. Behavioral and Brain Sciences, 2009, 32, 215-216.	0.4	2
142	Associative learning requires associations, not propositions. Behavioral and Brain Sciences, 2009, 32, 198-199.	0.4	20
143	Propositional learning is a useful research heuristic but it is not a theoretical algorithm. Behavioral and Brain Sciences, 2009, 32, 199-200.	0.4	2
144	What's reason got to do with it? Affect as the foundation of learning. Behavioral and Brain Sciences, 2009, 32, 201-202.	0.4	36
145	Learning without thinking. Behavioral and Brain Sciences, 2009, 32, 202-203.	0.4	1
146	Rats and infants as propositional reasoners: A plausible possibility?. Behavioral and Brain Sciences, 2009, 32, 203-204.	0.4	4
147	Rational models of conditioning. Behavioral and Brain Sciences, 2009, 32, 204-205.	0.4	1
148	Trace conditioning, awareness, and the propositional nature of associative learning. Behavioral and Brain Sciences, 2009, 32, 212-212.	0.4	2

#	Article	IF	CITATIONS
149	Both rules and associations are required to predict human behaviour. Behavioral and Brain Sciences, 2009, 32, 216-217.	0.4	1
150	Associative learning without reason or belief. Behavioral and Brain Sciences, 2009, 32, 217-218.	0.4	1
151	Undermining the foundations: Questioning the basic notions of associationism and mental representation. Behavioral and Brain Sciences, 2009, 32, 218-219.	0.4	5
152	What is the link between propositions and memories?. Behavioral and Brain Sciences, 2009, 32, 219-219.	0.4	2
153	The new enlightenment hypothesis: All learners are rational. Behavioral and Brain Sciences, 2009, 32, 219-220.	0.4	0
154	The computational nature of associative learning. Behavioral and Brain Sciences, 2009, 32, 223-224.	0.4	4
155	Link-based learning theory creates more problems than it solves. Behavioral and Brain Sciences, 2009, 32, 230-246.	0.4	11
156	A Connectionist Perspective on Attentional Effects in Neurodynamics Data., 2009, , 145-162.		0
157	There is more to thinking than propositions. Behavioral and Brain Sciences, 2009, 32, 221-223.	0.4	2
158	Cognition, consciousness, and the cognitive revolution. Behavioral and Brain Sciences, 2009, 32, 209-210.	0.4	0
159	Nonlinear Phase–Phase Cross-Frequency Coupling Mediates Communication between Distant Sites in Human Neocortex. Journal of Neuroscience, 2009, 29, 426-435.	1.7	65
160	Propositional encodings are a subset of organization theory. Behavioral and Brain Sciences, 2009, 32, 214-215.	0.4	0
161	Frontoparietal Cortex Controls Spatial Attention through Modulation of Anticipatory Alpha Rhythms. Journal of Neuroscience, 2009, 29, 5863-5872.	1.7	411
162	Different Subtypes of Striatal Neurons Are Selectively Modulated by Cortical Oscillations. Journal of Neuroscience, 2009, 29, 4571-4585.	1.7	95
163	Nuclei Accumbens Phase Synchrony Predicts Decision-Making Reversals Following Negative Feedback. Journal of Neuroscience, 2009, 29, 7591-7598.	1.7	82
164	Long-Term Plasticity in Mouse Sensorimotor Circuits after Rhythmic Whisker Stimulation. Journal of Neuroscience, 2009, 29, 5326-5335.	1.7	61
165	Visual Awareness, Emotion, and Gamma Band Synchronization. Cerebral Cortex, 2009, 19, 1896-1904.	1.6	101
166	Neuro-Transmitters in the Central Nervous System & Dearning and Memory Processes. Current Medicinal Chemistry, 2009, 16, 796-840.	1.2	76

#	Article	IF	CITATIONS
167	Distributed Fading Memory for Stimulus Properties in the Primary Visual Cortex. PLoS Biology, 2009, 7, e1000260.	2.6	140
168	Inverse Mapping the Neuronal Substrates of Face Categorizations. Cerebral Cortex, 2009, 19, 2428-2438.	1.6	35
169	Selective Population Rate Coding: A Possible Computational Role of Gamma Oscillations in Selective Attention. Neural Computation, 2009, 21, 3335-3362.	1.3	20
170	Straw-men and selective citation are needed to argue that associative-link formation makes no contribution to human learning. Behavioral and Brain Sciences, 2009, 32, 206-207.	0.4	2
171	Adaptive Tracking of EEG Frequency Components. , 2009, , 123-144.		7
172	Attention Improves Object Representation in Visual Cortical Field Potentials. Journal of Neuroscience, 2009, 29, 10120-10130.	1.7	30
173	LARGE-SCALE CORTICAL NETWORK COORDINATION: A PROPOSAL FOR THE NEURAL SUBSTRATE OF EXPECTANCY. New Mathematics and Natural Computation, 2009, 05, 47-59.	0.4	1
174	Intracranial EEG Reveals a Time- and Frequency-Specific Role for the Right Inferior Frontal Gyrus and Primary Motor Cortex in Stopping Initiated Responses. Journal of Neuroscience, 2009, 29, 12675-12685.	1.7	404
175	Verbal–manual interactions during dual task performance: An EEG study. Neuropsychologia, 2009, 47, 139-144.	0.7	18
176	Self-Organizing Sync in a Robotic Swarm: A Dynamical System View. IEEE Transactions on Evolutionary Computation, 2009, 13, 722-741.	7.5	51
177	Tactile stimulation accelerates behavioral responses to visual stimuli through enhancement of occipital gamma-band activity. Vision Research, 2009, 49, 931-942.	0.7	28
178	Microsaccades: Small steps on a long way. Vision Research, 2009, 49, 2415-2441.	0.7	445
179	From local inhibition to long-range integration: A functional dissociation of alpha-band synchronization across cortical scales in visuospatial attention. Brain Research, 2009, 1303, 97-110.	1.1	107
180	Resting interhemispheric functional magnetic resonance imaging connectivity predicts performance after stroke. Annals of Neurology, 2010, 67, 365-375.	2.8	657
181	Taskâ€related gammaâ€band dynamics from an intracerebral perspective: Review and implications for surface EEG and MEG. Human Brain Mapping, 2009, 30, 1758-1771.	1.9	222
182	Modality specific functional interaction in sensorimotor synchronization. Human Brain Mapping, 2009, 30, 1783-1790.	1.9	53
183	Indirect cognitive control through topâ€down activation of perceptual symbols. European Journal of Social Psychology, 2009, 39, 1173-1177.	1.5	44
184	Action control according to TEC (theory of event coding). Psychological Research, 2009, 73, 512-526.	1.0	488

#	Article	IF	CITATIONS
185	Temporal information coding properties of a network of inhibitory interneurons. Cognitive Processing, 2009, 10, 85-94.	0.7	2
186	MEG resting state functional connectivity in Parkinson's disease related dementia. Journal of Neural Transmission, 2009, 116, 193-202.	1.4	81
187	Finding simplicity in complexity: general principles of biological and nonbiological organization. Journal of Biological Physics, 2009, 35, 209-221.	0.7	22
188	The Eye of a Mathematical Physicist. Journal of Statistical Physics, 2009, 134, 1033-1057.	0.5	3
189	Visualizing Dynamical Neural Assemblies with a Fuzzy Synchronization Clustering Analysis. Neuroinformatics, 2009, 7, 233-244.	1.5	1
190	Consciousness related neural events viewed as brain state space transitions. Cognitive Neurodynamics, 2009, 3, 83-95.	2.3	25
191	EEG coherence: topography and frequency structure. Experimental Brain Research, 2009, 198, 59-83.	0.7	38
192	Flexible spike timing of layer 5 neurons during dynamic beta oscillation shifts in rat prefrontal cortex. Journal of Physiology, 2009, 587, 5177-5196.	1.3	39
193	Complex brain networks: graph theoretical analysis of structural and functional systems. Nature Reviews Neuroscience, 2009, 10, 186-198.	4.9	9,369
194	Respirationâ€gated formation of gamma and beta neural assemblies in the mammalian olfactory bulb. European Journal of Neuroscience, 2009, 29, 921-930.	1.2	54
195	Brain Oscillations Dissociate between Semantic and Nonsemantic Encoding of Episodic Memories. Cerebral Cortex, 2009, 19, 1631-1640.	1.6	269
196	The associative nature of human associative learning. Behavioral and Brain Sciences, 2009, 32, 225-226.	0.4	1
197	The propositional nature of human associative learning. Behavioral and Brain Sciences, 2009, 32, 183-198.	0.4	637
198	The developmental cognitive neuroscience of functional connectivity. Brain and Cognition, 2009, 70, 1-12.	0.8	96
199	The specific contribution of neuroimaging versus neurophysiological data to understanding cognition. Behavioural Brain Research, 2009, 200, 1-6.	1.2	16
200	Neuronal synchronization in human parietal cortex during saccade planning. Behavioural Brain Research, 2009, 205, 329-335.	1.2	14
201	(Micro)Saccades, corollary activity and cortical oscillations. Trends in Cognitive Sciences, 2009, 13, 239-245.	4.0	92
202	The Leading Sense: Supramodal Control of Neurophysiological Context by Attention. Neuron, 2009, 64, 419-430.	3.8	347

#	Article	IF	CITATIONS
203	A practical procedure for real-time functional mapping of eloquent cortex using electrocorticographic signals in humans. Epilepsy and Behavior, 2009, 15, 278-286.	0.9	140
204	Intrinsic neuronal plasticity in the juxtacapsular nucleus of the bed nuclei of the stria terminalis (jcBNST). Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2009, 33, 1347-1355.	2.5	33
205	Phase-dependent neuronal coding of objects in short-term memory. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21341-21346.	3.3	494
206	EEG gamma-band synchronization in visual coding from childhood to old age: Evidence from evoked power and inter-trial phase locking. Clinical Neurophysiology, 2009, 120, 1291-1302.	0.7	54
207	Broadband Criticality of Human Brain Network Synchronization. PLoS Computational Biology, 2009, 5, e1000314.	1.5	441
208	Neuronal Gamma-Band Synchronization as a Fundamental Process in Cortical Computation. Annual Review of Neuroscience, 2009, 32, 209-224.	5.0	1,441
209	Oscillatory Activity and Phase–Amplitude Coupling in the Human Medial Frontal Cortex during Decision Making. Journal of Cognitive Neuroscience, 2008, 21, 390-402.	1.1	191
210	Asymmetry-induced effects in coupled phase-oscillator ensembles: Routes to synchronization. Physical Review E, 2009, 79, 046210.	0.8	22
211	Correlations of Cellular Activities in the Nervous System: Physiological and Methodological Considerations., 2009,, 1-24.		4
212	Coordinated Activity in the Brain. , 2009, , .		10
213	Coherent Behavior in Neuronal Networks. , 2009, , .		5
214	Asymmetry in pulse-coupled oscillators with delay. Physical Review E, 2009, 79, 065203.	0.8	34
215	Cross-frequency coupling of brain oscillations indicates the success in visual motion discrimination. NeuroImage, 2009, 45, 1040-1046.	2.1	84
216	Increased synchronization and decreased neural complexity underlie thalamocortical oscillatory dynamics in mild cognitive impairment. NeuroImage, 2009, 46, 938-948.	2.1	51
217	Generic aspects of complexity in brain imaging data and other biological systems. NeuroImage, 2009, 47, 1125-1134.	2.1	126
218	Physics of neural synchronisation mediated by stochastic resonance. Contemporary Physics, 2009, 50, 563-574.	0.8	33
219	Prelude to and Resolution of an Error: EEG Phase Synchrony Reveals Cognitive Control Dynamics during Action Monitoring. Journal of Neuroscience, 2009, 29, 98-105.	1.7	551
220	Long-range neural coupling through synchronization with attention. Progress in Brain Research, 2009, 176, 35-45.	0.9	76

#	ARTICLE	IF	CITATIONS
221	An adaptive workspace hypothesis about the neural correlates of consciousness: insights from neuroscience and meditation studies. Progress in Brain Research, 2009, 176, 161-180.	0.9	42
222	The interplay of biology and the environment broadly defined Developmental Psychology, 2009, 45, 1-8.	1.2	45
223	Coupled Maps as Tool for Modeling Human Information Processing: Issues of Readout. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1-4.	0.4	0
224	Time delays in the \hat{I}^2/\hat{I}^3 cycle operate on the level of individual neurons. NeuroReport, 2010, 21, 746-750.	0.6	3
225	Shifting the Spotlight of Attention: Evidence for Discrete Computations in Cognition. Frontiers in Human Neuroscience, 2010, 4, 194.	1.0	64
226	Attention, Uncertainty, and Free-Energy. Frontiers in Human Neuroscience, 2010, 4, 215.	1.0	896
227	Visual spatial attention to multiple locations at once: The jury is still out Psychological Review, 2010, 117, 637-682.	2.7	121
228	Theta oscillations predict the detrimental effects of memory retrieval. Cognitive, Affective and Behavioral Neuroscience, 2010, 10, 329-338.	1.0	86
229	Functional role of gamma and theta oscillations in episodic memory. Neuroscience and Biobehavioral Reviews, 2010, 34, 1023-1035.	2.9	418
230	Long-range synchronization and local desynchronization of alpha oscillations during visual short-term memory retention in children. Experimental Brain Research, 2010, 201, 719-727.	0.7	27
231	Gamma oscillations as a mechanism for selective information transmission. Biological Cybernetics, 2010, 103, 151-165.	0.6	30
232	A new interpretation of P300 responses upon analysis of coherences. Cognitive Neurodynamics, 2010, 4, 107-118.	2.3	60
233	Combining TMS and EEG Offers New Prospects in Cognitive Neuroscience. Brain Topography, 2010, 22, 249-256.	0.8	182
234	Altered evoked gamma-band responses reveal impaired early visual processing in ADHD children. Neuropsychologia, 2010, 48, 1985-1993.	0.7	40
235	Beta-band oscillations — signalling the status quo?. Current Opinion in Neurobiology, 2010, 20, 156-165.	2.0	2,121
236	Functional differences of low- and high-frequency oscillatory dynamics during illusory border perception. Brain Research, 2010, 1319, 92-102.	1.1	7
237	Synchronous retinotopic frontal–temporal activity during long-term memory for spatial location. Brain Research, 2010, 1330, 89-100.	1.1	24
238	When frequencies never synchronize: The golden mean and the resting EEG. Brain Research, 2010, 1335, 91-102.	1.1	67

#	Article	IF	Citations
239	Recent and remote memory recalls modulate different sets of stereotypical interlaminar correlations in Arc/Arg3.1 mRNA expression in cortical areas. Brain Research, 2010, 1352, 118-139.	1.1	8
240	Cross-regional cortical synchronization during affective image viewing. Brain Research, 2010, 1362, 102-111.	1.1	91
241	Electroencephalographic Coherence and Learning: Distinct Patterns of Change During Word Learning and Figure Learning Tasks. Mind, Brain, and Education, 2010, 4, 208-218.	0.9	2
242	Adaptive tracking of EEG oscillations. Journal of Neuroscience Methods, 2010, 186, 97-106.	1.3	30
244	Bayesian estimation of phase response curves. Neural Networks, 2010, 23, 752-763.	3.3	12
245	Abnormal neural oscillations and synchrony in schizophrenia. Nature Reviews Neuroscience, 2010, 11, 100-113.	4.9	1,706
246	Cognitive and Neural Mechanisms Sustaining Rule Learning From Speech. Language Learning, 2010, 60, 151-187.	1.4	11
247	Cholinergic neuromodulation controls directed temporal communication in neocortex in vitro. Frontiers in Neural Circuits, 2010, 4, 8.	1.4	66
248	Directed coupling in local field potentials of macaque V4 during visual short-term memory revealed by multivariate autoregressive models. Frontiers in Computational Neuroscience, 2010, 4, 14.	1.2	26
249	Mechanisms for Phase Shifting in Cortical Networks and their Role in Communication through Coherence. Frontiers in Human Neuroscience, 2010, 4, 196.	1.0	91
250	The Gamma Slideshow: Object-Based Perceptual Cycles in a Model of the Visual Cortex. Frontiers in Human Neuroscience, 2010, 4, 205.	1.0	10
251	Storage of phase-coded patterns via STDP in fully-connected and sparse network: a study of the network capacity. Frontiers in Synaptic Neuroscience, 2010, 2, 32.	1.3	15
252	Greater Pre-Stimulus Effective Connectivity from the Left Inferior Frontal Area to other Areas is Associated with Better Phonological Decoding in Dyslexic Readers. Frontiers in Systems Neuroscience, 2010, 4, 156.	1.2	19
253	Conversion of Phase Information into a Spike-Count Code by Bursting Neurons. PLoS ONE, 2010, 5, e9669.	1.1	24
254	Stochastic Resonance Modulates Neural Synchronization within and between Cortical Sources. PLoS ONE, 2010, 5, e14371.	1.1	84
255	Dynamics of Stimulus-Evoked Spike Timing Correlations in the Cat Lateral Geniculate Nucleus. Journal of Neurophysiology, 2010, 104, 3276-3292.	0.9	15
256	Memory formation during general anesthesia., 0,, 47-73.		11
257	Cross-frequency coupling supports multi-item working memory in the human hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3228-3233.	3.3	781

#	Article	IF	CITATIONS
258	Phase Coupling Estimation from Multivariate Phase Statistics. Neural Computation, 2010, 22, 3107-3126.	1.3	32
259	Functional Connectivity in Mild Cognitive Impairment During a Memory Task: Implications for the Disconnection Hypothesis. Journal of Alzheimer's Disease, 2010, 22, 183-193.	1.2	105
260	Phase-response curves and synchronized neural networks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2407-2422.	1.8	155
261	Triphasic Dynamics of Stimulus-Dependent Information Flow between Single Neurons in Macaque Inferior Temporal Cortex. Journal of Neuroscience, 2010, 30, 10407-10421.	1.7	18
262	Hippocampal Ripple-Contingent Training Accelerates Trace Eyeblink Conditioning and Retards Extinction in Rabbits. Journal of Neuroscience, 2010, 30, 11486-11492.	1.7	33
263	Dynamic Modulation of Local Population Activity by Rhythm Phase in Human Occipital Cortex During a Visual Search Task. Frontiers in Human Neuroscience, 2010, 4, 197.	1.0	65
264	Syntactic Unification Operations Are Reflected in Oscillatory Dynamics during On-line Sentence Comprehension. Journal of Cognitive Neuroscience, 2010, 22, 1333-1347.	1.1	164
265	Optimal network configuration for maximal coherence resonance in excitable systems. Physical Review E, 2010, 81, 056104.	0.8	26
266	Stochastic cellular automata model of neural networks. Physical Review E, 2010, 81, 061921.	0.8	39
267	Chimera and globally clustered chimera: Impact of time delay. Physical Review E, 2010, 81, 046203.	0.8	61
268	Applying information-theoretic measures to computation and communication in neural ensembles. , 2010, , .		0
269	Superposition Model Predicts EEG Occipital Activity during Free Viewing of Natural Scenes. Journal of Neuroscience, 2010, 30, 4787-4795.	1.7	66
270	Decision Time, Slow Inhibition, and Theta Rhythm. Journal of Neuroscience, 2010, 30, 14173-14181.	1.7	23
271	Generation of Spatiotemporally Correlated Spike Trains and Local Field Potentials Using a Multivariate Autoregressive Process. Journal of Neurophysiology, 2010, 103, 2912-2930.	0.9	22
272	Neural Dynamics Associated with Semantic and Episodic Memory for Faces: Evidence from Multiple Frequency Bands. Journal of Cognitive Neuroscience, 2010, 22, 263-277.	1.1	56
273	Periodicity and Evoked Responses in Motor Cortex. Journal of Neuroscience, 2010, 30, 11506-11515.	1.7	50
274	Synchronization Dynamics in Response to Plaid Stimuli in Monkey V1. Cerebral Cortex, 2010, 20, 1556-1573.	1.6	103
275	Coherence Potentials: Loss-Less, All-or-None Network Events in the Cortex. PLoS Biology, 2010, 8, e1000278.	2.6	40

#	Article	IF	CITATIONS
276	Optimal Information Transfer in the Cortex through Synchronization. PLoS Computational Biology, 2010, 6, e1000934.	1.5	144
277	Duration of Coherence Intervals in Electrical Brain Activity in Perceptual Organization. Cerebral Cortex, 2010, 20, 365-382.	1.6	22
278	Auditory Cortex Tracks Both Auditory and Visual Stimulus Dynamics Using Low-Frequency Neuronal Phase Modulation. PLoS Biology, 2010, 8, e1000445.	2.6	201
279	Corticospinal Beta-Band Synchronization Entails Rhythmic Gain Modulation. Journal of Neuroscience, 2010, 30, 4481-4488.	1.7	105
280	Cortical synchrony change under mental stress due to time pressure. , 2010, , .		8
281	Role of Neuronal Synchrony in Normal and Pathological Brain Functions. , 2010, , 180-187.		1
282	Large-Scale Microelectrode Recordings of High-Frequency Gamma Oscillations in Human Cortex during Sleep. Journal of Neuroscience, 2010, 30, 7770-7782.	1.7	166
283	Large scale temporal coordination of cortical activity as prerequisite for conscious experience. Pragmatics and Cognition, 2010, 18, 570-583.	0.2	2
284	Gamma Oscillations in the Hippocampus. Physiology, 2010, 25, 319-329.	1.6	260
285	The α-motoneuron pool as transmitter of rhythmicities in cortical motor drive. Clinical Neurophysiology, 2010, 121, 1633-1642.	0.7	40
286	Use of magnetoencephalography (MEG) to study functional brain networks in neurodegenerative disorders. Journal of the Neurological Sciences, 2010, 289, 128-134.	0.3	222
287	Can structure predict function in the human brain?. Neurolmage, 2010, 52, 766-776.	2.1	537
288	The pairwise phase consistency: A bias-free measure of rhythmic neuronal synchronization. NeuroImage, 2010, 51, 112-122.	2.1	406
289	Localization of the magnetic equivalent of the ERN and induced oscillatory brain activity. NeuroImage, 2010, 51, 404-411.	2.1	46
290	Visually induced gamma-band activity predicts speed of change detection in humans. NeuroImage, 2010, 51, 1162-1167.	2.1	86
291	Functional network interactions during sensorimotor synchronization in musicians and non-musicians. Neurolmage, 2010, 52, 245-251.	2.1	66
292	Shaping Functional Architecture by Oscillatory Alpha Activity: Gating by Inhibition. Frontiers in Human Neuroscience, 2010, 4, 186.	1.0	2,317
293	Inter-Brain Synchronization during Social Interaction. PLoS ONE, 2010, 5, e12166.	1.1	702

#	Article	IF	CITATIONS
294	Phase-response approach to firing-rate selectivity in neurons with subthreshold oscillations. Physical Review E, 2010, 82, 041908.	0.8	4
295	Theta-activity in anterior cingulate cortex predicts task rules and their adjustments following errors. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5248-5253.	3.3	206
296	Complexity versus modularity and heterogeneity in oscillatory networks: Combining segregation and integration in neural systems. Physical Review E, 2010, 82, 046225.	0.8	35
297	Mass synchronization: Occurrence and its control with possible applications to brain dynamics. Chaos, 2010, 20, 045106.	1.0	8
298	Electrodermal complexity during the Stroop Colour Word Test. Autonomic Neuroscience: Basic and Clinical, 2010, 152, 101-107.	1.4	38
299	Coherent Theta Oscillations and Reorganization of Spike Timing in the Hippocampal- Prefrontal Network upon Learning. Neuron, 2010, 66, 921-936.	3.8	730
300	Oscillations and Filtering Networks Support Flexible Routing of Information. Neuron, 2010, 67, 308-320.	3.8	231
301	Differences in Gamma Frequencies across Visual Cortex Restrict Their Possible Use in Computation. Neuron, 2010, 67, 885-896.	3.8	410
302	Neural Syntax: Cell Assemblies, Synapsembles, and Readers. Neuron, 2010, 68, 362-385.	3.8	1,023
303	Hippocampo–cerebellar theta band phase synchrony in rabbits. Neuroscience, 2010, 165, 1538-1545.	1.1	64
304	The functional role of cross-frequency coupling. Trends in Cognitive Sciences, 2010, 14, 506-515.	4.0	1,635
305	Dissociative symptoms and interregional EEG cross-correlations in paranoid schizophrenia. Psychiatry Research, 2010, 177, 37-40.	1.7	44
307	Graph properties of synchronized cortical networks during visual working memory maintenance. Neurolmage, 2010, 49, 3257-3268.	2.1	134
308	Dynamic control for synchronization of separated cortical areas through thalamic relay. Neurolmage, 2010, 52, 947-955.	2.1	53
309	Frontal theta links prediction errors to behavioral adaptation in reinforcement learning. NeuroImage, 2010, 49, 3198-3209.	2.1	376
310	Unsupervised statistical learning underpins computational, behavioural, and neural manifestations of musical expectation. Neurolmage, 2010, 50, 302-313.	2.1	195
311	Self-sustained non-periodic activity in networks of spiking neurons: The contribution of local and long-range connections and dynamic synapses. NeuroImage, 2010, 52, 1070-1079.	2.1	16
312	Tactile expectation modulates pre-stimulus \hat{l}^2 -band oscillations in human sensorimotor cortex. Neurolmage, 2010, 51, 867-876.	2.1	126

#	Article	IF	CITATIONS
313	Neurophysiological and Computational Principles of Cortical Rhythms in Cognition. Physiological Reviews, 2010, 90, 1195-1268.	13.1	1,634
314	Oscillatory phase coupling coordinates anatomically dispersed functional cell assemblies. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17356-17361.	3.3	251
315	Metastable chimera states in community-structured oscillator networks. Chaos, 2010, 20, 013108.	1.0	227
316	Resting oscillatory cortico-subthalamic connectivity in patients with Parkinson's disease. Brain, 2011, 134, 359-374.	3.7	387
317	Delay-induced intermittent transition of synchronization in neuronal networks with hybrid synapses. Chaos, 2011, 21, 013123.	1.0	57
318	Roles of multiscale brain activity fluctuations in shaping the variability and dynamics of psychophysical performance. Progress in Brain Research, 2011, 193, 335-350.	0.9	55
319	Frontal Oscillatory Dynamics Predict Feedback Learning and Action Adjustment. Journal of Cognitive Neuroscience, 2011, 23, 4106-4121.	1.1	146
320	An improved index of phase-synchronization for electrophysiological data in the presence of volume-conduction, noise and sample-size bias. Neurolmage, 2011, 55, 1548-1565.	2.1	1,212
321	Prefrontal pathways target excitatory and inhibitory systems in memory-related medial temporal cortices. Neurolmage, 2011, 55, 1461-1474.	2.1	32
322	Dynamics of large-scale cortical interactions at high gamma frequencies during word production: Event related causality (ERC) analysis of human electrocorticography (ECoG). NeuroImage, 2011, 56, 2218-2237.	2.1	7 5
323	Variations of response time in a selective attention task are linked to variations of functional connectivity in the attentional network. NeuroImage, 2011, 54, 541-549.	2.1	69
324	Spatially distributed patterns of oscillatory coupling between high-frequency amplitudes and low-frequency phases in human iEEG. NeuroImage, 2011, 54, 836-850.	2.1	87
325	Perception of the touch-induced visual double-flash illusion correlates with changes of rhythmic neuronal activity in human visual and somatosensory areas. Neurolmage, 2011, 54, 1395-1405.	2.1	40
326	Altered long-range alpha-band synchronization during visual short-term memory retention in children born very preterm. Neurolmage, 2011, 54, 2330-2339.	2.1	52
327	Predicting inter-hemispheric transfer time from the diffusion properties of the corpus callosum in healthy individuals and schizophrenia patients: A combined ERP and DTI study. NeuroImage, 2011, 54, 2318-2329.	2.1	76
328	Distinct oscillatory STN-cortical loops revealed by simultaneous MEG and local field potential recordings in patients with Parkinson's disease. NeuroImage, 2011, 55, 1159-1168.	2.1	199
329	Principles of recovery from traumatic brain injury: Reorganization of functional networks. Neurolmage, 2011, 55, 1189-1199.	2.1	83
330	EEG oscillatory patterns are associated with error prediction during music performance and are altered in musician's dystonia. NeuroImage, 2011, 55, 1791-1803.	2.1	63

#	Article	IF	CITATIONS
331	Brain, Mind and Consciousness., 2011,,.		21
332	The Dynamical Balance of the Brain at Rest. Neuroscientist, 2011, 17, 107-123.	2.6	282
333	Brain-Body-Mind in the Nebulous Cartesian System: A Holistic Approach by Oscillations. , 2011, , .		26
335	Retrieval during learning facilitates subsequent memory encoding Journal of Experimental Psychology: Learning Memory and Cognition, 2011, 37, 287-297.	0.7	137
336	Circuits and brain rhythms in schizophrenia: a wealth of convergent targets. Current Opinion in Pharmacology, 2011, 11, 508-514.	1.7	15
337	Pre-stimulus alpha phase-alignment predicts P1-amplitude. Brain Research Bulletin, 2011, 85, 417-423.	1.4	59
338	Exploring intermediate phenotypes with EEG: Working memory dysfunction in schizophrenia. Behavioural Brain Research, 2011, 216, 481-495.	1.2	46
339	Human gamma-band activity and behavior. International Journal of Psychophysiology, 2011, 79, 39-48.	0.5	64
340	Cross-Frequency Power Correlations Reveal the Right Superior Temporal Gyrus as a Hub Region During Working Memory Maintenance. Brain Connectivity, 2011, 1, 460-472.	0.8	40
341	Fast modulation of alpha activity during visual processing and motor control. Neuroscience, 2011, 189, 236-249.	1.1	15
343	Cortical electrophysiological network dynamics of feedback learning. Trends in Cognitive Sciences, 2011, 15, 558-566.	4.0	128
344	The neuronal encoding of information in the brain. Progress in Neurobiology, 2011, 95, 448-490.	2.8	216
345	Neuronal Dynamics Underlying High- and Low-Frequency EEG Oscillations Contribute Independently to the Human BOLD Signal. Neuron, 2011, 69, 572-583.	3.8	408
346	Oscillatory Synchronization in Large-Scale Cortical Networks Predicts Perception. Neuron, 2011, 69, 387-396.	3.8	536
347	Dynamic Formation of Functional Networks by Synchronization. Neuron, 2011, 69, 191-193.	3.8	59
348	Functional coupling of parietal alpha rhythms is enhanced in athletes before visuomotor performance: a coherence electroencephalographic study. Neuroscience, 2011, 175, 198-211.	1.1	65
349	Dysfunctional Prefrontal Cortical Network Activity and Interactions following Cannabinoid Receptor Activation. Journal of Neuroscience, 2011, 31, 15560-15568.	1.7	58
350	Orienting Attention to an Upcoming Tactile Event Involves a Spatially and Temporally Specific Modulation of Sensorimotor Alpha- and Beta-Band Oscillations. Journal of Neuroscience, 2011, 31, 2016-2024.	1.7	305

#	Article	IF	CITATIONS
351	Cognitive Effort Drives Workspace Configuration of Human Brain Functional Networks. Journal of Neuroscience, 2011, 31, 8259-8270.	1.7	363
352	Multisite Spike-Field Coherence, Theta Rhythmicity, and Information Flow Within Papez's Circuit. Neuromethods, 2011, , 191-213.	0.2	0
353	The role of alpha oscillations in temporal attention. Brain Research Reviews, 2011, 67, 331-343.	9.1	304
354	Pacemaker and Network Mechanisms of Neural Rhythm Generation. , 0, , .		1
355	Neural Substrates of Chronic Pain in the Thalamocortical Circuit. Nature Precedings, 2011, , .	0.1	4
356	Magnetoencephalography as a Putative Biomarker for Alzheimer's Disease. International Journal of Alzheimer's Disease, 2011, 2011, 1-10.	1.1	43
357	Frequency Specific Modulation of Human Somatosensory Cortex. Frontiers in Psychology, 2011, 2, 13.	1.1	128
358	Alpha Oscillations and Early Stages of Visual Encoding. Frontiers in Psychology, 2011, 2, 118.	1.1	114
359	Linking Speech Perception and Neurophysiology: Speech Decoding Guided by Cascaded Oscillators Locked to the Input Rhythm. Frontiers in Psychology, 2011, 2, 130.	1.1	281
360	The Timing of Vision – How Neural Processing Links to Different Temporal Dynamics. Frontiers in Psychology, 2011, 2, 151.	1.1	10
361	A Linear Model of Phase-Dependent Power Correlations in Neuronal Oscillations. Frontiers in Computational Neuroscience, 2011, 5, 34.	1.2	6
362	A statistical description of neural ensemble dynamics. Frontiers in Computational Neuroscience, 2011, 5, 52.	1.2	11
363	Cortical Network Dynamics of Perceptual Decision-Making in the Human Brain. Frontiers in Human Neuroscience, 2011, 5, 21.	1.0	136
364	Alteration and reorganization of functional networks: a new perspective in brain injury study. Frontiers in Human Neuroscience, 2011, 5, 90.	1.0	26
365	On the Influence of Amplitude on the Connectivity between Phases. Frontiers in Neuroinformatics, 2011, 5, 6.	1.3	87
366	Components of Cross-Frequency Modulation in Health and Disease. Frontiers in Systems Neuroscience, 2011, 5, 59.	1.2	85
367	Organization of Anti-Phase Synchronization Pattern in Neural Networks: What are the Key Factors?. Frontiers in Systems Neuroscience, 2011, 5, 100.	1.2	31
368	Theta Band Zero-Lag Long-Range Cortical Synchronization via Hippocampal Dynamical Relaying. PLoS ONE, 2011, 6, e17756.	1.1	37

#	ARTICLE	IF	CITATIONS
369	Effects of Visual Context upon Functional Connectivity during Observation of Biological Motions. PLoS ONE, 2011, 6, e25903.	1.1	6
370	Brain Hodotopy: From Esoteric Concept to Practical Surgical Applications. Neurosurgery, 2011, 68, 1709-1723.	0.6	159
371	Spectral–temporal analysis of cortical oscillations during lexical processing. NeuroReport, 2011, 22, 474-478.	0.6	22
372	On a Possible Relationship between Linguistic Expertise and EEG Gamma Band Phase Synchrony. Frontiers in Psychology, 2011, 2, 334.	1.1	22
373	Functional Roles of Alpha-Band Phase Synchronization in Local and Large-Scale Cortical Networks. Frontiers in Psychology, 2011, 2, 204.	1.1	353
374	Entrainment of Perceptually Relevant Brain Oscillations by Non-Invasive Rhythmic Stimulation of the Human Brain. Frontiers in Psychology, 2011, 2, 170.	1.1	451
375	Sustained activity in hierarchical modular neural networks: self-organized criticality and oscillations. Frontiers in Computational Neuroscience, 2011, 5, 30.	1.2	82
376	Effect of sensory stimulation in rat barrel cortex, dorsolateral striatum and on corticostriatal functional connectivity. European Journal of Neuroscience, 2011, 33, 461-470.	1.2	10
377	Parietofrontal circuits in goalâ€oriented behaviour. European Journal of Neuroscience, 2011, 33, 2017-2027.	1.2	59
378	Differential frontalâ€parietal phase synchrony during hypnosis as a function of hypnotic suggestibility. Psychophysiology, 2011, 48, 1444-1447.	1.2	58
379	What characterizes changingâ€state speech in affecting shortâ€term memory? An EEG study on the irrelevant sound effect. Psychophysiology, 2011, 48, 1669-1680.	1.2	17
380	The role of phase synchronization in memory processes. Nature Reviews Neuroscience, 2011, 12, 105-118.	4.9	1,299
381	Population coding and neural rhythmicity in the orbitofrontal cortex. Annals of the New York Academy of Sciences, 2011, 1239, 149-161.	1.8	17
382	Alpha coherence predicts accuracy during a visuomotor tracking task. Neuropsychologia, 2011, 49, 3704-3709.	0.7	28
383	The brainweb of cross-scale interactions. New Ideas in Psychology, 2011, 29, 57-63.	1.2	44
384	A new look at gamma? High- ($\&$ gt;60ÂHz) \hat{I}^3 -band activity in cortical networks: Function, mechanisms and impairment. Progress in Biophysics and Molecular Biology, 2011, 105, 14-28.	1.4	173
385	Oscillations in the prefrontal cortex: a gateway to memory and attention. Current Opinion in Neurobiology, 2011, 21, 475-485.	2.0	297
386	Hippocampal-Prefrontal Connectivity Predicts Midfrontal Oscillations and Long-Term Memory Performance. Current Biology, 2011, 21, 1900-1905.	1.8	78

#	Article	IF	CITATIONS
387	Brain oscillatory correlates of working memory constraints. Brain Research, 2011, 1375, 93-102.	1.1	93
388	The Global Neuronal Workspace Model of Conscious Access: From Neuronal Architectures to Clinical Applications. Research and Perspectives in Neurosciences, 2011, , 55-84.	0.4	118
389	Closed-Loop Control of Brain Rhythms. , 2011, , 179-199.		0
390	Effects of conduction delays on the existence and stability of one to one phase locking between two pulse-coupled oscillators. Journal of Computational Neuroscience, 2011, 31, 401-418.	0.6	33
391	On the spectral formulation of Granger causality. Biological Cybernetics, 2011, 105, 331-347.	0.6	77
392	The thalamic dynamic core theory of conscious experience. Consciousness and Cognition, 2011, 20, 464-486.	0.8	154
393	A Mechanism for Ultra-Slow Oscillations inÂtheÂCortical Default Network. Bulletin of Mathematical Biology, 2011, 73, 398-416.	0.9	18
394	Learning alters theta amplitude, theta-gamma coupling and neuronal synchronization in inferotemporal cortex. BMC Neuroscience, 2011, 12, 55.	0.8	47
395	Genomeâ€wide association study of theta band eventâ€related oscillations identifies serotonin receptor gene <i>HTR7</i> influencing risk of alcohol dependence. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2011, 156, 44-58.	1.1	67
396	Multiple origins of the cortical gamma rhythm. Developmental Neurobiology, 2011, 71, 92-106.	1.5	224
397	Pattern recognition through compatibility of excitatory and inhibitory rhythms. Neurocomputing, 2011, 74, 1315-1328.	3.5	4
398	Neural field theory of synaptic plasticity. Journal of Theoretical Biology, 2011, 285, 156-163.	0.8	33
399	The neurobiology of adolescence: Changes in brain architecture, functional dynamics, and behavioral tendencies. Neuroscience and Biobehavioral Reviews, 2011, 35, 1704-1712.	2.9	246
400	Towards a two-body neuroscience. Communicative and Integrative Biology, 2011, 4, 349-352.	0.6	91
401	The Packet Switching Brain. Journal of Cognitive Neuroscience, 2011, 23, 267-276.	1.1	76
402	The Corollary Discharge in Humans Is Related to Synchronous Neural Oscillations. Journal of Cognitive Neuroscience, 2011, 23, 2892-2904.	1.1	70
403	Brain Dynamics Sustaining Rapid Rule Extraction from Speech. Journal of Cognitive Neuroscience, 2011, 23, 3105-3120.	1.1	35
404	Understanding motor resonance. Social Neuroscience, 2011, 6, 388-397.	0.7	79

#	Article	IF	CITATIONS
405	General coupled-nonlinear-oscillator model for event-related (de)synchronization. Physical Review E, 2011, 84, 036210.	0.8	7
406	Cognitive and neural components of the phenomenology of agency. Neurocase, 2011, 17, 209-230.	0.2	51
407	Adaptive oscillator networks with conserved overall coupling: Sequential firing and near-synchronized states. Physical Review E, 2011, 83, 036206.	0.8	18
408	Model-driven therapeutic treatment of neurological disorders: reshaping brain rhythms with neuromodulation. Interface Focus, 2011, 1, 61-74.	1.5	25
409	TrkB signaling in parvalbumin-positive interneurons is critical for gamma-band network synchronization in hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17201-17206.	3.3	77
410	Early onset of neural synchronization in the contextual associations network. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3389-3394.	3.3	130
411	Short Bouts of Vocalization Induce Long-Lasting Fast Gamma Oscillations in a Sensorimotor Nucleus. Journal of Neuroscience, 2011, 31, 13936-13948.	1.7	27
412	Reduced Neuronal Inhibition and Coordination of Adolescent Prefrontal Cortex during Motivated Behavior. Journal of Neuroscience, 2011, 31, 1471-1478.	1.7	56
413	Routing the Flow of Sensory Signals Using Plastic Responses to Bursts and Isolated Spikes: Experiment and Theory. Journal of Neuroscience, 2011, 31, 2461-2473.	1.7	17
414	Neuroimaging for drug addiction and related behaviors. Reviews in the Neurosciences, 2011, 22, 609-24.	1.4	115
415	Associative Memory Storage and Retrieval: Involvement of Theta Oscillations in Hippocampal Information Processing. Neural Plasticity, 2011, 2011, 1-15.	1.0	36
416	Is Gamma-Band Activity in the Local Field Potential of V1 Cortex a "Clock" or Filtered Noise?. Journal of Neuroscience, 2011, 31, 9658-9664.	1.7	136
417	Dual Gamma Rhythm Generators Control Interlaminar Synchrony in Auditory Cortex. Journal of Neuroscience, 2011, 31, 17040-17051.	1.7	74
418	Selective Movement Preparation Is Subserved by Selective Increases in Corticomuscular Gamma-Band Coherence. Journal of Neuroscience, 2011, 31, 6750-6758.	1.7	93
419	Adaptive Changes in Neuronal Synchronization in Macaque V4. Journal of Neuroscience, 2011, 31, 13204-13213.	1.7	48
420	Bistability Analysis of Excitatory-Inhibitory Neural Networks in Limited-Sustained-Activity Regime. Communications in Theoretical Physics, 2011, 56, 1155-1160.	1.1	0
421	The Role of Rhythmic Neural Synchronization in Rest and Task Conditions. Frontiers in Human Neuroscience, 2011, 5, 4.	1.0	39
423	Deterministic modeling and simulation in brain functional complex nework. , 2011, , .		2

#	Article	IF	CITATIONS
424	Identification of the direction of the neural network activation with a cellular resolution by fast two-photon imaging. Journal of Biomedical Optics, 2011, 16, 080506.	1.4	6
425	Modulation of Visually Evoked Cortical fMRI Responses by Phase of Ongoing Occipital Alpha Oscillations. Journal of Neuroscience, 2011, 31, 3813-3820.	1.7	126
426	Multiple Reference Frames in Cortical Oscillatory Activity during Tactile Remapping for Saccades. Journal of Neuroscience, 2011, 31, 16864-16871.	1.7	54
427	Gamma Responses Correlate with Temporal Expectation in Monkey Primary Visual Cortex. Journal of Neuroscience, 2011, 31, 15919-15931.	1.7	82
428	Emergence of Persistent Networks in Long-Term Intracranial EEG Recordings. Journal of Neuroscience, 2011, 31, 15757-15767.	1.7	125
429	The visual attention network untangled. Nature Neuroscience, 2011, 14, 542-543.	7.1	5
430	Beta oscillations in the monkey sensorimotor network reflect somatosensory decision making. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10708-10713.	3.3	145
431	Foundations on Natural and Artificial Computation. Lecture Notes in Computer Science, 2011, , .	1.0	0
432	INFORMATION QUANTIFICATION OF EMPIRICAL MODE DECOMPOSITION AND APPLICATIONS TO FIELD POTENTIALS. International Journal of Neural Systems, 2011, 21, 49-63.	3.2	8
433	Minding matter: how not to argue for the causal efficacy of the mental. Reviews in the Neurosciences, 2011, 22, 483-507.	1.4	5
434	Modeling Brain Resonance Phenomena Using a Neural Mass Model. PLoS Computational Biology, 2011, 7, e1002298.	1.5	106
435	Space coding by gamma oscillations in the barn owl optic tectum. Journal of Neurophysiology, 2011, 105, 2005-2017.	0.9	37
436	Synchronization between the end stages of the dorsal and the ventral visual stream. Journal of Neurophysiology, 2011, 105, 2030-2042.	0.9	54
437	Detecting event-related changes of multivariate phase coupling in dynamic brain networks. Journal of Neurophysiology, 2012, 107, 2020-2031.	0.9	23
438	Statistical Analysis of Single-Trial Granger Causality Spectra. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-10.	0.7	10
439	Fluctuations of Prestimulus Oscillatory Power Predict Subjective Perception of Tactile Simultaneity. Cerebral Cortex, 2012, 22, 2564-2574.	1.6	63
440	Dynamic Effective Connectivity of Inter-Areal Brain Circuits. PLoS Computational Biology, 2012, 8, e1002438.	1.5	133
441	Task-Dependent Changes in Cross-Level Coupling between Single Neurons and Oscillatory Activity in Multiscale Networks. PLoS Computational Biology, 2012, 8, e1002809.	1.5	52

#	ARTICLE	IF	Citations
442	Efficient "Communication through Coherence―Requires Oscillations Structured to Minimize Interference between Signals. PLoS Computational Biology, 2012, 8, e1002760.	1.5	73
443	Nested synchronyâ€"a novel cross-scale interaction among neuronal oscillations. Frontiers in Physiology, 2012, 3, 384.	1.3	15
444	Weighted Phase Lag Index and Graph Analysis: Preliminary Investigation of Functional Connectivity during Resting State in Children. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-8.	0.7	36
445	Schizophrenia, Myelination, and Delayed Corollary Discharges: A Hypothesis. Schizophrenia Bulletin, 2012, 38, 486-494.	2.3	110
446	Phase–Amplitude Coupling in Human Electrocorticography Is Spatially Distributed and Phase Diverse. Journal of Neuroscience, 2012, 32, 111-123.	1.7	117
447	Differential Contribution of Right and Left Parietal Cortex to the Control of Spatial Attention: A Simultaneous EEG-rTMS Study. Cerebral Cortex, 2012, 22, 446-454.	1.6	71
448	Switching Neuronal Inputs by Differential Modulations of Gamma-Band Phase-Coherence. Journal of Neuroscience, 2012, 32, 16172-16180.	1.7	141
449	Synchrony and phase relation dynamics underlying sensorimotor coordination. Adaptive Behavior, 2012, 20, 321-336.	1.1	7
450	The Rapid Extraction of Gistâ€"Early Neural Correlates of High-level Visual Processing. Journal of Cognitive Neuroscience, 2012, 24, 521-529.	1.1	22
451	Compensation through Increased Functional Connectivity: Neural Correlates of Inhibition in Old and Young. Journal of Cognitive Neuroscience, 2012, 24, 2057-2069.	1.1	28
452	Top-down attention switches coupling between low-level and high-level areas of human visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14675-14680.	3.3	159
453	Electrophysiological Correlates of Stimulus-driven Reorienting Deficits after Interference with Right Parietal Cortex during a Spatial Attention Task: A TMS-EEG Study. Journal of Cognitive Neuroscience, 2012, 24, 2363-2371.	1.1	41
454	Repetition priming and repetition suppression: Multiple mechanisms in need of testing. Cognitive Neuroscience, 2012, 3, 250-259.	0.6	26
455	Long-term memory prepares neural activity for perception. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E360-7.	3.3	116
456	Theta Phase Modulates Multiple Layer-Specific Oscillations in the CA1 Region. Cerebral Cortex, 2012, 22, 2404-2414.	1.6	125
457	Pulsed chaos synchronization in networks with adaptive couplings. Physical Review E, 2012, 86, 016203.	0.8	7
458	Repetition accelerates neural dynamics: In defense of facilitation models. Cognitive Neuroscience, 2012, 3, 240-241.	0.6	28
459	Singular spectrum analysis improves analysis of local field potentials from macaque V1 in active fixation task., 2012, 2012, 2945-8.		5

#	Article	IF	Citations
460	Predictive coding, precision and synchrony. Cognitive Neuroscience, 2012, 3, 238-239.	0.6	72
461	Explaining away repetition effects via predictive coding. Cognitive Neuroscience, 2012, 3, 239-240.	0.6	22
462	Neural Interactions at the Core of Phonological and Semantic Priming of Written Words. Cerebral Cortex, 2012, 22, 2305-2312.	1.6	32
463	Category-selective phase coding in the superior temporal sulcus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19438-19443.	3.3	40
464	Efficient "Pop-Out―Visual Search Elicits Sustained Broadband Gamma Activity in the Dorsal Attention Network. Journal of Neuroscience, 2012, 32, 3414-3421.	1.7	61
465	Corticomuscular Coherence Is Tuned to the Spontaneous Rhythmicity of Speech at 2–3 Hz. Journal of Neuroscience, 2012, 32, 3786-3790.	1.7	40
466	All in the timing: Priming, repetition suppression, and synchrony. Cognitive Neuroscience, 2012, 3, 244-246.	0.6	1
467	Does visual flicker phase at gamma frequency modulate neural signal propagation and stimulus selection?. Journal of Vision, 2012, 12, 5-5.	0.1	6
468	Synchrony upon repetition: One or multiple neural mechanisms?. Cognitive Neuroscience, 2012, 3, 243-244.	0.6	3
469	Repetition suppression and repetition priming are processing outcomes. Cognitive Neuroscience, 2012, 3, 247-248.	0.6	8
470	Gamma-Band Activity in Human Prefrontal Cortex Codes for the Number of Relevant Items Maintained in Working Memory. Journal of Neuroscience, 2012, 32, 12411-12420.	1.7	279
471	Prefrontally Driven Downregulation of Neural Synchrony Mediates Goal-Directed Forgetting. Journal of Neuroscience, 2012, 32, 14742-14751.	1.7	69
472	Mapping brain activation and information during category-specific visual working memory. Journal of Neurophysiology, 2012, 107, 628-639.	0.9	52
473	Source Activity Correlation Effects on LCMV Beamformers in a Realistic Measurement Environment. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-8.	0.7	14
474	Localizing True Brain Interactions from EEG and MEG Data with Subspace Methods and Modified Beamformers. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-11.	0.7	17
475	Dynamic network structure of interhemispheric coordination. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18661-18668.	3.3	134
476	Alpha oscillations in the pedunculopontine nucleus correlate with gait performance in parkinsonism. Brain, 2012, 135, 148-160.	3.7	141
477	Lateralized Auditory Cortical Alpha Band Activity and Interregional Connectivity Pattern Reflect Anticipation of Target Sounds. Cerebral Cortex, 2012, 22, 1604-1613.	1.6	90

#	Article	IF	CITATIONS
478	Tactile exploration of virtual objects for blind and sighted people: the role of beta 1 EEG band in sensory substitution and supramodal mental mapping. Journal of Neurophysiology, 2012, 107, 2713-2729.	0.9	74
479	Neural correlates of auditory distraction revealed in theta-band EEG. NeuroReport, 2012, 23, 240-245.	0.6	25
480	A computational role for bistability and traveling waves in motor cortex. Frontiers in Computational Neuroscience, 2012, 6, 67.	1.2	25
481	Laterality of Temporoparietal Causal Connectivity during the Prestimulus Period Correlates with Phonological Decoding Task Performance in Dyslexic and Typical Readers. Cerebral Cortex, 2012, 22, 1923-1934.	1.6	13
482	Synchronous Oscillatory Neural Ensembles for Rules in the Prefrontal Cortex. Neuron, 2012, 76, 838-846.	3.8	388
483	High-frequency neural activity and human cognition: Past, present and possible future of intracranial EEG research. Progress in Neurobiology, 2012, 98, 279-301.	2.8	383
484	From Mind Perception to Mental Connection: Synchrony as a Mechanism for Social Understanding. Social and Personality Psychology Compass, 2012, 6, 589-606.	2.0	103
485	Neuronal Dynamics and Neuropsychiatric Disorders: Toward a Translational Paradigm for Dysfunctional Large-Scale Networks. Neuron, 2012, 75, 963-980.	3.8	446
486	Inter-individual performance differences in younger and older adults differentially relate to amplitude modulations and phase stability of oscillations controlling working memory contents. NeuroImage, 2012, 60, 71-82.	2.1	28
487	Magnetoencephalography and Neuromodulation. International Review of Neurobiology, 2012, 107, 121-136.	0.9	2
488	Rates and Rhythms: A Synergistic View of Frequency and Temporal Coding in Neuronal Networks. Neuron, 2012, 75, 572-583.	3.8	133
489	Repetition priming and repetition suppression: A case for enhanced efficiency through neural synchronization. Cognitive Neuroscience, 2012, 3, 227-237.	0.6	202
490	Resting-State Oscillatory Activity in Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2012, 42, 1884-1894.	1.7	176
491	Lifespan age differences in working memory: A two-component framework. Neuroscience and Biobehavioral Reviews, 2012, 36, 2007-2033.	2.9	120
492	Neurocognitive networks: Findings, models, and theory. Neuroscience and Biobehavioral Reviews, 2012, 36, 2232-2247.	2.9	66
494	Rules Got Rhythm. Neuron, 2012, 76, 673-676.	3.8	5
495	Metastability and chimera states in modular delay and pulse-coupled oscillator networks. Chaos, 2012, 22, 043131.	1.0	101
496	Cluster synchronization of spiking induced by noise and interaction delays in homogenous neuronal ensembles. Chaos, 2012, 22, 033147.	1.0	21

#	Article	IF	CITATIONS
497	Variable Bandwidth Filtering for Improved Sensitivity of Cross-Frequency Coupling Metrics. Brain Connectivity, 2012, 2, 155-163.	0.8	52
498	Task, time and context as potential mediators of repetition priming effects. Cognitive Neuroscience, 2012, 3, 248-249.	0.6	0
499	Large-scale neuro-modeling for understanding and explaining some brain-related chaotic behavior. Simulation, 2012, 88, 1316-1337.	1.1	6
500	On the Variability of the McGurk Effect: Audiovisual Integration Depends on Prestimulus Brain States. Cerebral Cortex, 2012, 22, 221-231.	1.6	113
501	How well do oscillator models capture the behaviour of biological neurons?. , 2012, , .		8
502	Learning-induced sharpening of neuronal tuning and adaptation: Not "mixed― Cognitive Neuroscience, 2012, 3, 242-243.	0.6	0
503	Focusing on the frontal cortex. Cognitive Neuroscience, 2012, 3, 246-247.	0.6	8
504	Basal Ganglia Beta Oscillations Accompany Cue Utilization. Neuron, 2012, 73, 523-536.	3.8	252
505	Cell-Type-Specific Synchronization of Neural Activity in FEF with V4 during Attention. Neuron, 2012, 73, 581-594.	3.8	217
506	Phase de-synchronization effects auditory gating in the ventral striatum but not auditory cortex. Neuroscience, 2012, 216, 70-81.	1.1	4
507	Discovering oscillatory interaction networks with M/EEG: challenges and breakthroughs. Trends in Cognitive Sciences, 2012, 16, 219-230.	4.0	323
508	Cognit activation: a mechanism enabling temporal integration in working memory. Trends in Cognitive Sciences, 2012, 16, 207-218.	4.0	113
509	Cortical oscillations and sensory predictions. Trends in Cognitive Sciences, 2012, 16, 390-398.	4.0	846
510	Brain Oscillations during Spoken Sentence Processing. Journal of Cognitive Neuroscience, 2012, 24, 1149-1164.	1.1	104
511	Long-Distance Amplitude Correlations in the High Gamma Band Reveal Segregation and Integration within the Reading Network. Journal of Neuroscience, 2012, 32, 6421-6434.	1.7	68
512	Auditory hallucinations: Expectation–perception model. Medical Hypotheses, 2012, 78, 802-810.	0.8	37
513	Decrease of prefrontal–posterior EEG coherence: Loose control during social–emotional stimulation. Brain and Cognition, 2012, 80, 144-154.	0.8	51
514	Use it or lose it: How neurogenesis keeps the brain fit for learning. Behavioural Brain Research, 2012, 227, 450-458.	1.2	148

#	ARTICLE	IF	CITATIONS
515	Mu rhythm, visual processing and motor control. Clinical Neurophysiology, 2012, 123, 550-557.	0.7	32
516	Introducing a novel approach of network oriented analysis of ERPs, demonstrated on adult attention deficit hyperactivity disorder. Clinical Neurophysiology, 2012, 123, 1568-1580.	0.7	33
517	NMDA Receptors Control Cue-Outcome Selectivity and Plasticity of Orbitofrontal Firing Patterns during Associative Stimulus-Reward Learning. Neuron, 2012, 76, 813-825.	3.8	29
518	Crossâ€frequency dynamics of neuromagnetic oscillatory activity: Two mechanisms of emotion regulation. Psychophysiology, 2012, 49, 1545-1557.	1.2	39
519	Canonical Microcircuits for Predictive Coding. Neuron, 2012, 76, 695-711.	3.8	1,876
520	Spectral fingerprints of large-scale neuronal interactions. Nature Reviews Neuroscience, 2012, 13, 121-134.	4.9	1,122
521	Theta Dynamics Reveal Domain-specific Control over Stimulus and Response Conflict. Journal of Cognitive Neuroscience, 2012, 24, 1264-1274.	1.1	191
522	Attentional Stimulus Selection through Selective Synchronization between Monkey Visual Areas. Neuron, 2012, 75, 875-888.	3.8	665
523	Global Workspace Theory, its LIDA model and the underlying neuroscience. Biologically Inspired Cognitive Architectures, 2012, 1, 32-43.	0.9	28
524	Insights into Cortical Oscillations Arising from Optogenetic Studies. Biological Psychiatry, 2012, 71, 1039-1045.	0.7	99
525	Transcranial alternating stimulation in a high gamma frequency range applied over V1 improves contrast perception but does not modulate spatial attention. Brain Stimulation, 2012, 5, 484-491.	0.7	83
526	Dynamical changes in neurological diseases and anesthesia. Current Opinion in Neurobiology, 2012, 22, 693-703.	2.0	29
527	The Functional Importance of Rhythmic Activity in the Brain. Current Biology, 2012, 22, R658-R663.	1.8	329
528	Sustained gamma band synchronization in early visual areas reflects the level of selective attention. Neurolmage, 2012, 59, 673-681.	2.1	34
529	Roles for the pre-supplementary motor area and the right inferior frontal gyrus in stopping action: Electrophysiological responses and functional and structural connectivity. Neurolmage, 2012, 59, 2860-2870.	2.1	383
530	Frequency-dependent functional connectivity within resting-state networks: An atlas-based MEG beamformer solution. Neurolmage, 2012, 59, 3909-3921.	2.1	408
531	Disrupted modular brain dynamics reflect cognitive dysfunction in Alzheimer's disease. NeuroImage, 2012, 59, 3085-3093.	2.1	190
532	Steady-state evoked potentials as an index of multisensory temporal binding. NeuroImage, 2012, 60, 21-28.	2.1	74

#	ARTICLE	IF	CITATIONS
533	Estimating true brain connectivity from EEG/MEG data invariant to linear and static transformations in sensor space. NeuroImage, 2012, 60, 476-488.	2.1	128
534	MEG evoked responses and rhythmic activity provide spatiotemporally complementary measures of neural activity in language production. Neurolmage, 2012, 60, 29-36.	2.1	34
535	Which "neural activity―do you mean? fMRI, MEG, oscillations and neurotransmitters. NeuroImage, 2012, 62, 1121-1130.	2.1	123
536	Infra-slow fluctuations in electrophysiological recordings, blood-oxygenation-level-dependent signals, and psychophysical time series. Neurolmage, 2012, 62, 2201-2211.	2.1	132
537	Go with the flow: Use of a directed phase lag index (dPLI) to characterize patterns of phase relations in a large-scale model of brain dynamics. Neurolmage, 2012, 62, 1415-1428.	2.1	112
538	Transition from the self-organized to the driven dynamical clusters. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6655-6663.	1.2	4
539	Functional connectivity measured with magnetoencephalography identifies persons with HIV disease. Brain Imaging and Behavior, 2012, 6, 366-373.	1.1	30
540	EEG-Guided Transcranial Magnetic Stimulation Reveals Rapid Shifts in Motor Cortical Excitability during the Human Sleep Slow Oscillation. Journal of Neuroscience, 2012, 32, 243-253.	1.7	181
541	Individual variability in functional connectivity predicts performance of a perceptual task. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3516-3521.	3.3	235
542	Theta coupling between V4 and prefrontal cortex predicts visual short-term memory performance. Nature Neuroscience, 2012, 15, 456-462.	7.1	291
543	Interpersonal body and neural synchronization as a marker of implicit social interaction. Scientific Reports, 2012, 2, 959.	1.6	288
544	Memory signals from the thalamus: Early thalamocortical phase synchronization entrains gamma oscillations during long-term memory retrieval. Neuropsychologia, 2012, 50, 3519-3527.	0.7	50
545	Coordinated Activity of Ventral Tegmental Neurons Adapts to Appetitive and Aversive Learning. PLoS ONE, 2012, 7, e29766.	1.1	51
546	Increased Thalamic Gamma Band Activity Correlates with Symptom Relief following Deep Brain Stimulation in Humans with Tourette's Syndrome. PLoS ONE, 2012, 7, e44215.	1.1	89
547	Time-Delayed Mutual Information of the Phase as a Measure of Functional Connectivity. PLoS ONE, 2012, 7, e44633.	1.1	20
548	Hippocampal Theta Modulation of Neocortical Spike Times and Gamma Rhythm: A Biophysical Model Study. PLoS ONE, 2012, 7, e45688.	1.1	12
549	Dysfunctional Behavioral Modulation of Corticostriatal Communication in the R6/2 Mouse Model of Huntington's Disease. PLoS ONE, 2012, 7, e47026.	1.1	51
550	Determination of Dominant Frequency of Resting-State Brain Interaction within One Functional System. PLoS ONE, 2012, 7, e51584.	1.1	12

#	Article	IF	Citations
551	On the Neural Mechanisms Subserving Consciousness and Attention. Frontiers in Psychology, 2011, 2, 397.	1.1	82
552	Word Class and Context Affect Alpha-Band Oscillatory Dynamics in an Older Population. Frontiers in Psychology, 2012, 3, 97.	1.1	14
553	Brain Oscillations and Functional Connectivity during Overt Language Production. Frontiers in Psychology, 2012, 3, 166.	1.1	43
554	Integration or Predictability? A Further Specification of the Functional Role of Gamma Oscillations in Language Comprehension. Frontiers in Psychology, 2012, 3, 187.	1.1	94
555	Theta-Modulated Gamma-Band Synchronization Among Activated Regions During a Verb Generation Task. Frontiers in Psychology, 2012, 3, 195.	1,1	34
556	"Too Many betas do not Spoil the Broth― The Role of Beta Brain Oscillations in Language Processing. Frontiers in Psychology, 2012, 3, 201.	1.1	220
557	Neural Oscillations Carry Speech Rhythm through to Comprehension. Frontiers in Psychology, 2012, 3, 320.	1.1	401
558	Adaptive Skeletal Muscle Action Requires Anticipation and "Conscious Broadcasting― Frontiers in Psychology, 2012, 3, 369.	1.1	4
559	From simple receptors to complex multimodal percepts: a first global picture on the mechanisms involved in perceptual binding. Frontiers in Psychology, 2012, 3, 259.	1.1	2
560	A new perspective on behavioral inconsistency and neural noise in aging: compensatory speeding of neural communication. Frontiers in Aging Neuroscience, 2012, 4, 27.	1.7	55
561	Divisive Normalization and Neuronal Oscillations in a Single Hierarchical Framework of Selective Visual Attention. Frontiers in Neural Circuits, 2012, 6, 22.	1.4	16
562	Establishing communication between neuronal populations through competitive entrainment. Frontiers in Computational Neuroscience, 2012, 5, 62.	1.2	15
563	Invariant Visual Object and Face Recognition: Neural and Computational Bases, and a Model, VisNet. Frontiers in Computational Neuroscience, 2012, 6, 35.	1.2	90
564	When Long-Range Zero-Lag Synchronization is Feasible in Cortical Networks. Frontiers in Computational Neuroscience, 2012, 6, 49.	1.2	41
565	Building Blocks of Self-Sustained Activity in a Simple Deterministic Model of Excitable Neural Networks. Frontiers in Computational Neuroscience, 2012, 6, 50.	1.2	32
566	Neocortical-hippocampal dynamics of working memory in healthy and diseased brain states based on functional connectivity. Frontiers in Human Neuroscience, 2012, 6, 36.	1.0	25
567	Enhanced functional synchronization of medial and lateral PFC underlies internally-guided action planning. Frontiers in Human Neuroscience, 2012, 6, 79.	1.0	13
568	Intensive training induces longitudinal changes in meditation state-related EEG oscillatory activity. Frontiers in Human Neuroscience, 2012, 6, 256.	1.0	78

#	Article	IF	CITATIONS
569	Critical-State Dynamics of Avalanches and Oscillations Jointly Emerge from Balanced Excitation/Inhibition in Neuronal Networks. Journal of Neuroscience, 2012, 32, 9817-9823.	1.7	298
570	The Neocortical Network Representing Associative Memory Reorganizes with Time in a Process Engaging the Anterior Temporal Lobe. Cerebral Cortex, 2012, 22, 2622-2633.	1.6	28
571	Oscillatory dynamics in the hippocampus support dentate gyrus–CA3 coupling. Nature Neuroscience, 2012, 15, 763-768.	7.1	95
572	Mechanisms of Gamma Oscillations. Annual Review of Neuroscience, 2012, 35, 203-225.	5.0	2,160
573	A model for complex sequence learning and reproduction in neural populations. Journal of Computational Neuroscience, 2012, 32, 403-423.	0.6	22
574	Improved measures of phase-coupling between spikes and the Local Field Potential. Journal of Computational Neuroscience, 2012, 33, 53-75.	0.6	127
575	Theta lingua franca: A common midâ€frontal substrate for action monitoring processes. Psychophysiology, 2012, 49, 220-238.	1.2	521
576	An observer's information dynamics: Acquisition of information and the origin of the cognitive dynamics. Information Sciences, 2012, 184, 111-139.	4.0	6
577	Input-rate modulation of gamma oscillations is sensitive to network topology, delays and short-term plasticity. Brain Research, 2012, 1434, 162-177.	1.1	11
578	Theta modulation of inter-regional gamma synchronization during auditory attention control. Brain Research, 2012, 1431, 77-85.	1.1	59
579	Familyâ€based genomeâ€wide association study of frontal theta oscillations identifies potassium channel gene <i>KCNJ6</i> . Genes, Brain and Behavior, 2012, 11, 712-719.	1.1	51
580	What brain signals are suitable for feedback control of deep brain stimulation in Parkinson's disease?. Annals of the New York Academy of Sciences, 2012, 1265, 9-24.	1.8	219
581	Current perspectives and methods in studying neural mechanisms of multisensory interactions. Neuroscience and Biobehavioral Reviews, 2012, 36, 111-133.	2.9	89
582	Brain connectivity and high functioning autism: A promising path of research that needs refined models, methodological convergence, and stronger behavioral links. Neuroscience and Biobehavioral Reviews, 2012, 36, 604-625.	2.9	350
583	A dynamical pattern recognition model of gamma activity in auditory cortex. Neural Networks, 2012, 28, 1-14.	3.3	9
584	Multivariate Phase–Amplitude Cross-Frequency Coupling in Neurophysiological Signals. IEEE Transactions on Biomedical Engineering, 2012, 59, 8-11.	2.5	41
585	Motifs in health and disease: the promise of circuit interrogation by optogenetics. European Journal of Neuroscience, 2012, 36, 2260-2272.	1.2	16
586	Communication before coherence. European Journal of Neuroscience, 2012, 36, 2689-2709.	1.2	18

#	Article	IF	Citations
587	Age-related changes in neural functional connectivity and its behavioral relevance. BMC Neuroscience, 2012, 13, 16.	0.8	38
588	Cognitive architecture of perceptual organization: from neurons to gnosons. Cognitive Processing, 2012, 13, 13-40.	0.7	43
589	Enhanced resting-state oscillations in schizophrenia are associated with decreased synchronization during inattentional blindness. Human Brain Mapping, 2013, 34, 2266-2275.	1.9	44
590	Rapid instructed task learning: A new window into the human brain's unique capacity for flexible cognitive control. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 1-22.	1.0	161
591	Predictive Suppression of Cortical Excitability and Its Deficit in Schizophrenia. Journal of Neuroscience, 2013, 33, 11692-11702.	1.7	106
592	The principle of coherence in multi-level brain information processing. Progress in Biophysics and Molecular Biology, 2013, 111, 8-29.	1.4	32
593	The role of glutamatercic and GABAergic synapses on the dynamics of neural networks: How they impact the transition to seizure?. Neurocomputing, 2013, 114, 15-23.	3.5	1
594	NMDA-Dependent Phase Synchronization between Septal and Temporal CA3 Hippocampal Networks. Journal of Neuroscience, 2013, 33, 8276-8287.	1.7	15
595	The effects of music on brain functional networks: A network analysis. Neuroscience, 2013, 250, 49-59.	1.1	57
596	Entrainment of Neural Activity Using Transcranial Magnetic Stimulation. Journal of Neuroscience, 2013, 33, 11325-11326.	1.7	3
597	Assessing the role of synchronization and phase coherence in neural communication comparing cortical recordings and integrate-and-fire network models. BMC Neuroscience, 2013, 14, .	0.8	0
598	Adolescent Cannabinoid Exposure Permanently Suppresses Cortical Oscillations in Adult Mice. Neuropsychopharmacology, 2013, 38, 2338-2347.	2.8	54
600	Disturbances of septohippocampal theta oscillations in the epileptic brain: Reasons and consequences. Experimental Neurology, 2013, 247, 314-327.	2.0	35
601	Small-world networks in neuronal populations: A computational perspective. Neural Networks, 2013, 44, 143-156.	3.3	9
602	Functional inactivation of orexin 1 receptors in the cerebellum disrupts trace eyeblink conditioning and local theta oscillations in guinea pigs. Behavioural Brain Research, 2013, 250, 114-122.	1.2	14
603	At the interface of the auditory and vocal motor systems: NIf and its role in vocal processing, production and learning. Journal of Physiology (Paris), 2013, 107, 178-192.	2.1	43
604	Cortical dynamics revisited. Trends in Cognitive Sciences, 2013, 17, 616-626.	4.0	186
605	Cognitive control of response inhibition and switching: Hemispheric lateralization and hand preference. Brain and Cognition, 2013, 82, 283-290.	0.8	25

#	Article	IF	Citations
606	Reorganization of Oscillatory Activity in Human Parietal Cortex during Spatial Updating. Cerebral Cortex, 2013, 23, 508-519.	1.6	18
607	Category-Specific Neural Oscillations Predict Recall Organization During Memory Search. Cerebral Cortex, 2013, 23, 2407-2422.	1.6	45
608	Intracranial Electroencephalography Reveals Different Temporal Profiles for Dorsal- and Ventro-lateral Prefrontal Cortex in Preparing to Stop Action. Cerebral Cortex, 2013, 23, 2479-2488.	1.6	65
609	Cortical High-Density Counterstream Architectures. Science, 2013, 342, 1238406.	6.0	468
610	Nonequilibrium landscape theory of neural networks. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4185-94.	3.3	63
611	MEG studies of sensorimotor rhythms: A review. Experimental Neurology, 2013, 245, 27-39.	2.0	238
612	Multidimensional Analysis of the Abnormal Neural Oscillations Associated With Lexical Processing in Schizophrenia. Clinical EEG and Neuroscience, 2013, 44, 135-143.	0.9	23
613	Electrical engram: how deep brain stimulation affects memory. Trends in Cognitive Sciences, 2013, 17, 574-584.	4.0	41
614	Audioâ€"visual congruency alters power and coherence of oscillatory activity within and between cortical areas. NeuroImage, 2013, 79, 111-120.	2.1	29
615	Scaling Brain Size, Keeping Timing: Evolutionary Preservation of Brain Rhythms. Neuron, 2013, 80, 751-764.	3.8	670
616	Frequency-specific mechanism links human brain networks for spatial attention. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19585-19590.	3.3	88
617	Reduced alpha and exaggerated theta power during the resting-state EEG in fragile X syndrome. Biological Psychology, 2013, 92, 216-219.	1.1	58
618	<scp>EEG</scp> signatures associated with stopping are sensitive to preparation. Psychophysiology, 2013, 50, 900-908.	1.2	61
619	Oscillatory support for rapid frequency change processing in infants. Neuropsychologia, 2013, 51, 2812-2824.	0.7	31
620	Spontaneous EEG alpha oscillation interacts with positive and negative BOLD responses in the visual–auditory cortices and default-mode network. NeuroImage, 2013, 76, 362-372.	2.1	104
621	A Predictive Network Model of Cerebral Cortical Connectivity Based on a Distance Rule. Neuron, 2013, 80, 184-197.	3.8	372
622	Quantifying connectivity via efferent and afferent pathways in motor control using coherence measures and joint position perturbations. Experimental Brain Research, 2013, 228, 141-153.	0.7	26
623	The role of long-range connections on the specificity of the macaque interareal cortical network. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5187-5192.	3.3	172

#	Article	IF	CITATIONS
624	Outline of a general theory of behavior and brain coordination. Neural Networks, 2013, 37, 120-131.	3.3	139
625	How basin stability complements the linear-stability paradigm. Nature Physics, 2013, 9, 89-92.	6.5	426
626	From structure to function, via dynamics. , 2013, , .		1
627	Frontal theta is a signature of successful working memory manipulation. Experimental Brain Research, 2013, 224, 255-262.	0.7	144
628	Has brain imaging discovered anything new about how the brain works?. NeuroImage, 2013, 66, 142-150.	2.1	23
629	Nonlinear modeling of dynamic interactions within neuronal ensembles using Principal Dynamic Modes. Journal of Computational Neuroscience, 2013, 34, 73-87.	0.6	25
630	Preparatory Attention Relies on Dynamic Interactions between Prelimbic Cortex and Anterior Cingulate Cortex. Cerebral Cortex, 2013, 23, 729-738.	1.6	60
631	Monitoring spike train synchrony. Journal of Neurophysiology, 2013, 109, 1457-1472.	0.9	127
632	Dysconnectivity, large-scale networks and neuronal dynamics in schizophrenia. Current Opinion in Neurobiology, 2013, 23, 283-290.	2.0	149
633	Prestimulus Oscillatory Phase at 7ÂHz Gates Cortical Information Flow and Visual Perception. Current Biology, 2013, 23, 2273-2278.	1.8	145
634	The hypnotic zolpidem increases the synchrony of BOLD signal fluctuations in widespread brain networks during a resting paradigm. NeuroImage, 2013, 70, 211-222.	2.1	51
635	Gamma oscillations: precise temporal coordination without a metronome. Trends in Cognitive Sciences, 2013, 17, 54-55.	4.0	90
636	Rhythmic Sampling within and between Objects despite Sustained Attention at a Cued Location. Current Biology, 2013, 23, 2553-2558.	1.8	359
637	Rich-club network topology to minimize synchronization cost due to phase difference among frequency-synchronized oscillators. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1246-1255.	1.2	13
638	Brain dynamics encode the spectrotemporal boundaries of auditory objects. Hearing Research, 2013, 304, 77-90.	0.9	3
639	Brain mechanisms for perceptual and reward-related decision-making. Progress in Neurobiology, 2013, 103, 194-213.	2.8	133
640	Memory Modulation by Weak Synchronous Deep Brain Stimulation: A Pilot Study. Brain Stimulation, 2013, 6, 270-273.	0.7	84
641	Deep Brain Stimulation Targeted at the Nucleus Accumbens Decreases the Potential for Pathologic Network Communication. Biological Psychiatry, 2013, 74, e27-e28.	0.7	36

#	Article	IF	CITATIONS
642	Natural Scenes Viewing Alters the Dynamics of Functional Connectivity in the Human Brain. Neuron, 2013, 79, 782-797.	3.8	175
643	It's not only in the eyes: Nonlinear relationship between face orientation and N170 amplitude irrespective of eye presence. International Journal of Psychophysiology, 2013, 89, 358-365.	0.5	11
644	You can't stop the music: Reduced auditory alpha power and coupling between auditory and memory regions facilitate the illusory perception of music during noise. Neurolmage, 2013, 79, 383-393.	2.1	34
645	Gamma band plasticity in sensory cortex is a signature of the strongest memory rather than memory of the training stimulus. Neurobiology of Learning and Memory, 2013, 104, 49-63.	1.0	27
646	Decoding brain states using backward edge elimination and graph kernels in fMRI connectivity networks. Journal of Neuroscience Methods, 2013, 212, 259-268.	1.3	28
647	Brain oscillatory subsequent memory effects differ in power and long-range synchronization between semantic and survival processing. Neurolmage, 2013, 79, 361-370.	2.1	86
648	Gamma- and theta-band synchronization during semantic priming reflect local and long-range lexical–semantic networks. Brain and Language, 2013, 127, 440-451.	0.8	53
649	The influence of music and music therapy on pain-induced neuronal oscillations measured by magnetencephalography. Pain, 2013, 154, 539-547.	2.0	56
650	Reduced Occipital Alpha Power Indexes Enhanced Excitability Rather than Improved Visual Perception. Journal of Neuroscience, 2013, 33, 3212-3220.	1.7	184
651	Neural field theory of plasticity in the cerebral cortex. Journal of Theoretical Biology, 2013, 318, 44-57.	0.8	24
652	Parietal Oscillations Code Nonvisual Reach Targets Relative to Gaze and Body. Journal of Neuroscience, 2013, 33, 3492-3499.	1.7	47
653	Alumina nanoparticles alter rhythmic activities of local interneurons in the antennal lobe of <i>Drosophila </i> . Nanotoxicology, 2013, 7, 212-220.	1.6	32
654	Rhythmic neuronal synchronization in visual cortex entails spatial phase relation diversity that is modulated by stimulation and attention. NeuroImage, 2013, 74, 99-116.	2.1	36
655	Cortical circuits for the control of attention. Current Opinion in Neurobiology, 2013, 23, 216-222.	2.0	207
656	Multiplexed memories: a view from human cortex. Nature Neuroscience, 2013, 16, 257-258.	7.1	21
657	Fear Conditioning Enhances Gamma Oscillations and Their Entrainment of Neurons Representing the Conditioned Stimulus. Journal of Neuroscience, 2013, 33, 5705-5717.	1.7	64
658	Mu-rhythm changes during the planning of motor and motor imagery actions. Neuropsychologia, 2013, 51, 1019-1026.	0.7	62
659	Dissociation between Dorsal and Ventral Hippocampal Theta Oscillations during Decision-Making. Journal of Neuroscience, 2013, 33, 6212-6224.	1.7	54

#	Article	IF	CITATIONS
660	Sensory connection, interest/attention and gamma synchrony in autism or autism, brain connections and preoccupation. Medical Hypotheses, 2013, 80, 284-288.	0.8	3
661	The Spectrotemporal Filter Mechanism of Auditory Selective Attention. Neuron, 2013, 77, 750-761.	3.8	399
662	Functional connectivity and oscillatory neuronal activity in the resting human brain. Neuroscience, 2013, 240, 297-309.	1.1	56
663	State-dependent changes of prefrontal–posterior coupling in the context of affective processing: Susceptibility to humor. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 252-261.	1.0	18
664	Why data coherence and quality is critical for understanding interareal cortical networks. NeuroImage, 2013, 80, 37-45.	2.1	40
665	Biophysical network models and the human connectome. NeuroImage, 2013, 80, 330-338.	2.1	78
666	Visual stimulus eccentricity affects human gamma peak frequency. NeuroImage, 2013, 78, 439-447.	2.1	49
667	Frequency specific interactions of MEG resting state activity within and across brain networks as revealed by the multivariate interaction measure. Neurolmage, 2013, 79, 172-183.	2.1	118
668	Different Synchronization Rules in Primary and Nonprimary Auditory Cortex of Monkeys. Journal of Cognitive Neuroscience, 2013, 25, 1517-1526.	1.1	6
669	Subthalamic Nucleus Neurons Are Synchronized to Primary Motor Cortex Local Field Potentials in Parkinson's Disease. Journal of Neuroscience, 2013, 33, 7220-7233.	1.7	163
670	Acute effect of callosotomy on cortical temporal coupling in humans: Intraoperative electrocorticographic recording. Clinical Neurophysiology, 2013, 124, 1959-1969.	0.7	8
671	Teaching as a Dynamic Phenomenon with Interpersonal Interactions. Mind, Brain, and Education, 2013, 7, 91-100.	0.9	32
672	Subthalamic nucleus: A key structure for emotional component synchronization in humans. Neuroscience and Biobehavioral Reviews, 2013, 37, 358-373.	2.9	142
673	Cortical gamma oscillations: the functional key is activation, not cognition. Neuroscience and Biobehavioral Reviews, 2013, 37, 401-417.	2.9	136
674	Spatial attention increases high-frequency gamma synchronisation in human medial visual cortex. Neurolmage, 2013, 79, 295-303.	2.1	32
675	Robust Gamma Coherence between Macaque V1 and V2 by Dynamic Frequency Matching. Neuron, 2013, 78, 523-536.	3.8	234
676	What the brain's intrinsic activity can tell us about consciousness? A tri-dimensional view. Neuroscience and Biobehavioral Reviews, 2013, 37, 726-738.	2.9	70
677	The Theta-Gamma Neural Code. Neuron, 2013, 77, 1002-1016.	3.8	1,236

#	Article	IF	CITATIONS
678	A method for event-related phase/amplitude coupling. NeuroImage, 2013, 64, 416-424.	2.1	125
679	Task-demands and audio-visual stimulus configurations modulate neural activity in the human thalamus. NeuroImage, 2013, 66, 110-118.	2.1	12
680	Atomoxetine modulates spontaneous and sensory-evoked discharge of locus coeruleus noradrenergic neurons. Neuropharmacology, 2013, 64, 53-64.	2.0	67
681	Theta-associated high-frequency oscillations (110–160Hz) in the hippocampus and neocortex. Progress in Neurobiology, 2013, 100, 1-14.	2.8	96
682	Prefrontal alpha- and beta-band oscillations are involved in rule selection. Trends in Cognitive Sciences, 2013, 17, 10-12.	4.0	27
683	Midfrontal conflict-related theta-band power reflects neural oscillations that predict behavior. Journal of Neurophysiology, 2013, 110, 2752-2763.	0.9	362
684	Face to phase: pitfalls in time delay estimation from coherency phase. Journal of Computational Neuroscience, 2013, 37, 1-8.	0.6	10
685	The role of the lateral prefrontal cortex in inhibitory motor control. Cortex, 2013, 49, 837-849.	1.1	86
686	STDP produces robust oscillatory architectures that exhibit precise collective synchronization. , 2013, , .		1
687	Cerebro-Cerebellar Connections. , 2013, , 1131-1153.		13
688	The Brain: A Highly Distributed Self-Organizing System. Who Has the Initiative?., 2013, , 143-166.		0
690	Chronic Evaluation of a Clinical System for Deep Brain Stimulation and Recording of Neural Network Activity. Stereotactic and Functional Neurosurgery, 2013, 91, 220-232.	0.8	54
691	In vivo assessment of human brain oscillations during application of transcranial electric currents. Nature Communications, 2013, 4, 2032.	5.8	79
693	Interactions between the Lateral Habenula and the Hippocampus: Implication for Spatial Memory Processes. Neuropsychopharmacology, 2013, 38, 2418-2426.	2.8	77
694	Dynamic Interactions between Large-Scale Brain Networks Predict Behavioral Adaptation after Perceptual Errors. Cerebral Cortex, 2013, 23, 1061-1072.	1.6	137
695	Atypical coupling between posterior regions of the default mode network in attention-deficit/hyperactivity disorder: a pharmaco-magnetoencephalography study. Journal of Psychiatry and Neuroscience, 2013, 38, 333-340.	1.4	44
696	Neuronal Functional Connection Graphs among Multiple Areas of the Rat Somatosensory System during Spontaneous and Evoked Activities. PLoS Computational Biology, 2013, 9, e1003104.	1.5	15
697	Hippocampal and neocortical oscillatory contributions to visuospatial binding and comparison Journal of Experimental Psychology: General, 2013, 142, 1335-1345.	1.5	27

#	Article	IF	CITATIONS
698	Changes in Sensory Hand Representation and Pain Thresholds Induced by Motor Cortex Stimulation in Humans. Cerebral Cortex, 2013, 23, 2667-2676.	1.6	21
699	Short- and Long-range Neural Synchrony in Grapheme–Color Synesthesia. Journal of Cognitive Neuroscience, 2013, 25, 1148-1162.	1.1	16
700	A Dendritic Mechanism for Decoding Traveling Waves: Principles and Applications to Motor Cortex. PLoS Computational Biology, 2013, 9, e1003260.	1.5	31
701	Local and long-range functional connectivity is reduced in concert in autism spectrum disorders. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3107-3112.	3.3	260
702	Neural chronometry and coherency across speed–accuracy demands reveal lack of homomorphism between computational and neural mechanisms of evidence accumulation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130071.	1.8	37
704	Advances in Cognitive Neurodynamics (III)., 2013,,.		5
705	Heritability of Resting State EEG Functional Connectivity Patterns. Twin Research and Human Genetics, 2013, 16, 962-969.	0.3	24
706	Attending Multiple Items Decreases the Selectivity of Population Responses in Human Primary Visual Cortex. Journal of Neuroscience, 2013, 33, 9273-9282.	1.7	14
707	Human Retrosplenial Cortex Displays Transient Theta Phase Locking with Medial Temporal Cortex Prior to Activation during Autobiographical Memory Retrieval. Journal of Neuroscience, 2013, 33, 10439-10446.	1.7	95
708	Coherent delta-band oscillations between cortical areas correlate with decision making. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15085-15090.	3.3	127
709	Identifying causal networks of neuronal sources from EEG/MEG data with the phase slope index: a simulation study. Biomedizinische Technik, 2013, 58, 165-78.	0.9	14
710	Subthalamic Nucleus Local Field Potential Activity during the Eriksen Flanker Task Reveals a Novel Role for Theta Phase during Conflict Monitoring. Journal of Neuroscience, 2013, 33, 14758-14766.	1.7	99
711	Paired Associative Stimulation Enforces the Communication between Interconnected Areas. Journal of Neuroscience, 2013, 33, 13773-13783.	1.7	112
712	Connectivity-Driven Coherence in Complex Networks. Physical Review Letters, 2013, 110, 234103.	2.9	31
713	Operational Architectonics Methodology for EEG Analysis: Theory and Results. Neuromethods, 2013, , 1-59.	0.2	22
714	Volitional phase control of neural oscillations using a brain-machine interface. , 2013, , .		O
715	Causal and Structural Connectivity of Pulse-Coupled Nonlinear Networks. Physical Review Letters, 2013, 111, 054102.	2.9	35
716	High-Learners Present Larger Mid-Frontal Theta Power and Connectivity in Response to Incorrect Performance Feedback. Journal of Neuroscience, 2013, 33, 2029-2038.	1.7	70

#	Article	IF	CITATIONS
717	Auditory gamma and beta oscillations. Handbook of Clinical Neurophysiology, 2013, 10, 201-215.	0.0	0
718	Motif statistics and spike correlations in neuronal networks. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P03012.	0.9	48
719	Neocortical pathological high-frequency oscillations are associated with frequency-dependent alterations in functional network topology. Journal of Neurophysiology, 2013, 110, 2475-2483.	0.9	41
720	Global Hyper-synchronous Spontaneous Activity in the Developing Optic Tectum. Scientific Reports, 2013, 3, 1552.	1.6	3
721	Recurrent connections form a phase-locking neuronal tuner for frequency-dependent selective communication. Scientific Reports, 2013, 3, 2519.	1.6	9
722	Experiencing your brain: neurofeedback as a new bridge between neuroscience and phenomenology. Frontiers in Human Neuroscience, 2013, 7, 680.	1.0	98
723	Delta-mediated cross-frequency coupling organizes oscillatory activity across the rat cortico-basal ganglia network. Frontiers in Neural Circuits, 2013, 7, 155.	1.4	45
724	Top-Down Control in Contour Grouping. PLoS ONE, 2013, 8, e54085.	1.1	23
725	Altered Rolandic Gamma-Band Activation Associated with Motor Impairment and Ictal Network Desynchronization in Childhood Epilepsy. PLoS ONE, 2013, 8, e54943.	1.1	9
726	Theta Frequency Background Tunes Transmission but Not Summation of Spiking Responses. PLoS ONE, 2013, 8, e55607.	1.1	0
727	Metastability and Inter-Band Frequency Modulation in Networks of Oscillating Spiking Neuron Populations. PLoS ONE, 2013, 8, e62234.	1.1	20
728	A Dynamical Model of Hierarchical Selection and Coordination in Speech Planning. PLoS ONE, 2013, 8, e62800.	1.1	28
729	On the Time Course of Synchronization Patterns of Neuronal Discharges in the Human Brain during Cognitive Tasks. PLoS ONE, 2013, 8, e63293.	1.1	18
730	Intra- and Inter-Frequency Brain Network Structure in Health and Schizophrenia. PLoS ONE, 2013, 8, e72351.	1.1	54
731	The Relationship between Self-Awareness of Attentional Status, Behavioral Performance and Oscillatory Brain Rhythms. PLoS ONE, 2013, 8, e74962.	1.1	8
732	Brain Network Evolution after Stroke Based on Computational Experiments. PLoS ONE, 2013, 8, e82845.	1.1	12
733	Neural substrates of perceptual integration during bistable object perception. Journal of Vision, 2013, 13, 17-17.	0.1	18
734	Phase synchronization of delta and theta oscillations increase during the detection of relevant lexical information. Frontiers in Psychology, 2013, 4, 308.	1.1	7

#	ARTICLE	IF	CITATIONS
735	In sync: gamma oscillations and emotional memory. Frontiers in Behavioral Neuroscience, 2013, 7, 170.	1.0	65
736	Controlling the oscillation phase through precisely timed closed-loop optogenetic stimulation: a computational study. Frontiers in Neural Circuits, 2013, 7, 49.	1.4	48
737	Graph theoretical analysis of resting magnetoencephalographic functional connectivity networks. Frontiers in Computational Neuroscience, 2013, 7, 93.	1.2	33
738	Quantifying network properties in multi-electrode recordings: spatiotemporal characterization and inter-trial variation of evoked gamma oscillations in mouse somatosensory cortex in vitro. Frontiers in Computational Neuroscience, 2013, 7, 134.	1.2	7
739	Patterns of Cortical Oscillations Organize Neural Activity into Whole-Brain Functional Networks Evident in the fMRI BOLD Signal. Frontiers in Human Neuroscience, 2013, 7, 80.	1.0	32
740	On the Application of Quantitative EEG for Characterizing Autistic Brain: A Systematic Review. Frontiers in Human Neuroscience, 2013, 7, 442.	1.0	85
741	A time and place for language comprehension: mapping the N400 and the P600 to a minimal cortical network. Frontiers in Human Neuroscience, 2013, 7, 758.	1.0	87
742	Time-frequency analysis of short-lasting modulation of EEG induced by TMS during wake, sleep deprivation and sleep. Frontiers in Human Neuroscience, 2013, 7, 767.	1.0	29
743	Reduced Theta Connectivity during Set-Shifting in Children with Autism. Frontiers in Human Neuroscience, 2013, 7, 785.	1.0	67
744	Reading into neuronal oscillations in the visual system: implications for developmental dyslexia. Frontiers in Human Neuroscience, 2013, 7, 811.	1.0	47
745	Distinguishing mechanisms of gamma frequency oscillations in human current source signals using a computational model of a laminar neocortical network. Frontiers in Human Neuroscience, 2013, 7, 869.	1.0	58
746	Convergent approaches toward the study of multisensory perception. Frontiers in Systems Neuroscience, 2013, 7, 81.	1.2	23
747	Left temporal alpha-band activity reflects single word intelligibility. Frontiers in Systems Neuroscience, 2013, 7, 121.	1,2	41
748	Dysfunctional Cortical Connectivity During the Auditory Oddball Task in Patients with Schizophrenia. Open Neuroimaging Journal, 2013, 7, 15-26.	0.2	23
749	Homing in on the brain mechanisms linked to consciousness: The buffer of the perception-and-action interface., 0,, 43-76.		21
7 50	Zero-Lag Synchronization Despite Inhomogeneities in a Relay System. PLoS ONE, 2014, 9, e112688.	1.1	19
751	Sensory disturbances, inhibitory deficits, and the P50 wave in schizophrenia. Neuropsychiatric Disease and Treatment, 2014, 10, 1309.	1.0	29
752	The olfactory system as the gateway to the neural correlates of consciousness. Frontiers in Psychology, 2014, 4, 1011.	1.1	32

#	Article	IF	CITATIONS
753	Fronto-parietal and fronto-temporal theta phase synchronization for visual and auditory-verbal working memory. Frontiers in Psychology, 2014, 5, 200.	1.1	42
754	Closing in on the constitution of consciousness. Frontiers in Psychology, 2014, 5, 1293.	1.1	9
755	Neuronal and Neural-Population Mechanisms of Voluntary Visual-Spatial Attention. , 2014, , 30-44.		0
756	Cognitive reserve is associated with the functional organization of the brain in healthy aging: a MEG study. Frontiers in Aging Neuroscience, 2014, 6, 125.	1.7	29
757	Attractor dynamics in local neuronal networks. Frontiers in Neural Circuits, 2014, 8, 22.	1.4	8
758	Goal-directed control with cortical units that are gated by both top-down feedback and oscillatory coherence. Frontiers in Neural Circuits, 2014, 8, 94.	1.4	3
759	Theta band activity in response to emotional expressions and its relationship with gamma band activity as revealed by MEG and advanced beamformer source imaging. Frontiers in Human Neuroscience, 2013, 7, 940.	1.0	20
760	The Spectro-Contextual Encoding and Retrieval Theory of Episodic Memory. Frontiers in Human Neuroscience, 2014, 8, 75.	1.0	49
761	Optimized Gamma Synchronization Enhances Functional Binding of Fronto-Parietal Cortices in Mathematically Gifted Adolescents during Deductive Reasoning. Frontiers in Human Neuroscience, 2014, 8, 430.	1.0	9
762	Cortical information flow during inferences of agency. Frontiers in Human Neuroscience, 2014, 8, 609.	1.0	10
763	Magnetoencephalographic alpha band connectivity reveals differential default mode network interactions during focused attention and open monitoring meditation. Frontiers in Human Neuroscience, 2014, 8, 832.	1.0	47
764	Origins of strabismus and loss of binocular vision. Frontiers in Integrative Neuroscience, 2014, 8, 71.	1.0	59
765	Back to front: cerebellar connections and interactions with the prefrontal cortex. Frontiers in Systems Neuroscience, 2014, 8, 4.	1.2	130
766	Marginally subcritical dynamics explain enhanced stimulus discriminability under attention. Frontiers in Systems Neuroscience, 2014, 8, 151.	1.2	43
767	Neural rhythmic symphony of human walking observation: Upside-down and Uncoordinated condition on cortical theta, alpha, beta and gamma oscillations. Frontiers in Systems Neuroscience, 2014, 8, 169.	1.2	24
768	Should I stay or should I go? Conceptual underpinnings of goal-directed actions. Frontiers in Systems Neuroscience, 2014, 8, 206.	1.2	118
769	Occipitoparietal alpha-band responses to the graded allocation of top-down spatial attention. Journal of Neurophysiology, 2014, 112, 1307-1316.	0.9	27
770	Atypical resting synchrony in autism spectrum disorder. Human Brain Mapping, 2014, 35, 6049-6066.	1.9	83

#	Article	IF	Citations
771	Attention Improves Transfer of Motion Information between V1 and MT. Journal of Neuroscience, 2014, 34, 3586-3596.	1.7	42
772	Coordinated within-Trial Dynamics of Low-Frequency Neural Rhythms Controls Evidence Accumulation. Journal of Neuroscience, 2014, 34, 8519-8528.	1.7	29
773	Gamma Deficits as a Neural Signature of Cognitive Impairment in Children Treated for Brain Tumors. Journal of Neuroscience, 2014, 34, 8813-8824.	1.7	18
774	Dose-Dependent Effects of Theta Burst rTMS on Cortical Excitability and Resting-State Connectivity of the Human Motor System. Journal of Neuroscience, 2014, 34, 6849-6859.	1.7	183
775	Temporal Windows in Visual Processing: "Prestimulus Brain State―and "Poststimulus Phase Reset― Segregate Visual Transients on Different Temporal Scales. Journal of Neuroscience, 2014, 34, 1554-1565.	1.7	58
776	Nonlinear Measures and Dynamics in Psychophysiology of Consciousness. Current Topics in Behavioral Neurosciences, 2014, 21, 331-343.	0.8	1
777	Phase-Amplitude Coupling in Rat Orbitofrontal Cortex Discriminates between Correct and Incorrect Decisions during Associative Learning. Journal of Neuroscience, 2014, 34, 493-505.	1.7	43
778	Electrophysiological Mechanisms of Network Control. , 2014, , 121-133.		1
779	SINGULAR SPECTRUM DECOMPOSITION: A NEW METHOD FOR TIME SERIES DECOMPOSITION. Advances in Adaptive Data Analysis, 2014, 06, 1450011.	0.6	95
780	Oscillations and Behavior. , 2014, , 268-281.		2
781	Mechanisms of Zero-Lag Synchronization in Cortical Motifs. PLoS Computational Biology, 2014, 10, e1003548.	1.5	123
782	Domain-general Signals in the Cingulo-opercular Network for Visuospatial Attention and Episodic Memory. Journal of Cognitive Neuroscience, 2014, 26, 551-568.	1.1	84
783	The temporal window of individuation limits visual capacity. Frontiers in Psychology, 2014, 5, 952.	1.1	41
784	Phase-Coherence Transitions and Communication in the Gamma Range between Delay-Coupled Neuronal Populations. PLoS Computational Biology, 2014, 10, e1003723.	1.5	37
785	Modulating Brain Oscillations to Drive Brain Function. PLoS Biology, 2014, 12, e1002032.	2.6	13
786	Mapping the Mechanisms of Transcranial Alternating Current Stimulation: A Pathway from Network Effects to Cognition. Frontiers in Psychiatry, 2014, 5, 162.	1.3	56
787	Oscillation-Induced Signal Transmission and Gating in Neural Circuits. PLoS Computational Biology, 2014, 10, e1003940.	1.5	24
788	Occipital Alpha Activity during Stimulus Processing Gates the Information Flow to Object-Selective Cortex. PLoS Biology, 2014, 12, e1001965.	2.6	175

#	Article	IF	CITATIONS
789	Dynamic modulation of shared sensory and motor cortical rhythms mediates speech and non-speech discrimination performance. Frontiers in Psychology, 2014, 5, 366.	1.1	24
790	Dynamic Changes in Phase-Amplitude Coupling Facilitate Spatial Attention Control in Fronto-Parietal Cortex. PLoS Biology, 2014, 12, e1001936.	2.6	149
791	Selective Modulation of Interhemispheric Functional Connectivity by HD-tACS Shapes Perception. PLoS Biology, 2014, 12, e1002031.	2.6	247
792	Interplay of Intrinsic and Synaptic Conductances in the Generation of High-Frequency Oscillations in Interneuronal Networks with Irregular Spiking. PLoS Computational Biology, 2014, 10, e1003574.	1.5	16
793	Communication through Resonance in Spiking Neuronal Networks. PLoS Computational Biology, 2014, 10, e1003811.	1.5	78
794	Single-Neuron NMDA Receptor Phenotype Influences Neuronal Rewiring and Reintegration following Traumatic Injury. Journal of Neuroscience, 2014, 34, 4200-4213.	1.7	35
795	Delta and beta EEG oscillation relevant to change detection of visual color under unintentional condition. , 2014 , , .		0
796	Prefrontal Control over Motor Cortex Cycles at Beta Frequency during Movement Inhibition. Current Biology, 2014, 24, 2940-2945.	1.8	122
797	Building it together: synchronous development in OSS. , 2014, , .		28
798	Whisker barrel cortex delta oscillations and gamma power in the awake mouse are linked to respiration. Nature Communications, 2014, 5, 3572.	5.8	199
799	Reduced beta band connectivity during number estimation in autism. NeuroImage: Clinical, 2014, 6, 202-213.	1.4	32
800	Electrophysiology and Psychophysiology in Psychiatry and Psychopharmacology. Current Topics in Behavioral Neurosciences, 2014, , .	0.8	2
801	Local paths to global coherence: Cutting networks down to size. Physical Review E, 2014, 89, 032802.	0.8	34
802	Functions of gammaâ€band synchronization in cognition: from single circuits to functional diversity across cortical and subcortical systems. European Journal of Neuroscience, 2014, 39, 1982-1999.	1.2	175
803	Deterministic functions of cortical acetylcholine. European Journal of Neuroscience, 2014, 39, 1912-1920.	1.2	96
804	Medial prefrontal theta phase coupling during spatial memory retrieval. Hippocampus, 2014, 24, 656-665.	0.9	99
805	Applications of transcranial direct current stimulation for understanding brain function. Trends in Neurosciences, 2014, 37, 742-753.	4.2	414
806	Prefrontalâ€posterior coupling while observing the suffering of other people, and the development of intrusive memories. Psychophysiology, 2014, 51, 546-555.	1.2	13

#	Article	IF	CITATIONS
807	Phaseâ€"Amplitude Coupling and Interlaminar Synchrony Are Correlated in Human Neocortex. Journal of Neuroscience, 2014, 34, 15923-15930.	1.7	39
808	Magnetoencephalographic signatures of right prefrontal cortex involvement in response inhibition. Human Brain Mapping, 2014, 35, 5236-5248.	1.9	18
809	Slow Oscillations during Sleep Coordinate Interregional Communication in Cortical Networks. Journal of Neuroscience, 2014, 34, 16890-16901.	1.7	88
810	GABAergic Modulation of Visual Gamma and Alpha Oscillations and Its Consequences for Working Memory Performance. Current Biology, 2014, 24, 2878-2887.	1.8	100
811	Transcranial magnetic stimulation-induced global propagation of transient phase resetting associated with directional information flow. Frontiers in Human Neuroscience, 2014, 8, 173.	1.0	40
812	Reduced beta connectivity during emotional face processing in adolescents with autism. Molecular Autism, 2014, 5, 51.	2.6	56
813	Perceptual awareness and its neural basis: bridging experimental and theoretical paradigms. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130203.	1.8	8
814	Modulation of brain connectivity by memory load in a working memory network. , 2014, , .		5
815	Flexible establishment of functional brain networks supports attentional modulation of unconscious cognition. Human Brain Mapping, 2014, 35, 5500-5516.	1.9	23
816	Dream Consciousness. Vienna Circle Institute Library, 2014, , .	0.1	3
817	Studying Dynamic Neural Interactions with MEG. , 2014, , 405-427.		2
818	Space, Time and Memory in the Hippocampal Formation. , 2014, , .		20
819	Tuning pathological brain oscillations with neurofeedback: a systems neuroscience framework. Frontiers in Human Neuroscience, 2014, 8, 1008.	1.0	157
820	Oscillations can reconcile slowly changing stimuli with short neuronal integration and STDP timescales. Network: Computation in Neural Systems, 2014, 25, 85-96.	2.2	2
821	Approximate, not Perfect Synchrony Maximizes the Downstream Effectiveness of Excitatory Neuronal Ensembles. Journal of Mathematical Neuroscience, 2014, 4, 10.	2.4	2
822	Brain Activity in Response to Visual Symmetry. Symmetry, 2014, 6, 975-996.	1,1	89
823	The Parietal Reach Region Selectively Anti-Synchronizes with Dorsal Premotor Cortex during Planning. Journal of Neuroscience, 2014, 34, 11948-11958.	1.7	23
824	Corticostriatal Coordination through Coherent Phase-Amplitude Coupling. Journal of Neuroscience, 2014, 34, 5938-5948.	1.7	82

#	Article	IF	Citations
825	Stimulus repetition modulates gamma-band synchronization in primate visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3626-3631.	3.3	112
826	Membrane Resonance Enables Stable and Robust Gamma Oscillations. Cerebral Cortex, 2014, 24, 119-142.	1.6	68
827	Emergence of Complex Computational Structures From Chaotic Neural Networks Through Reward-Modulated Hebbian Learning. Cerebral Cortex, 2014, 24, 677-690.	1.6	107
828	Hemodynamic and electrophysiological spontaneous low-frequency oscillations in the cortex: Directional influences revealed by Granger causality. Neurolmage, 2014, 85, 810-822.	2.1	13
829	Brain rhythms in mental time travel. NeuroImage, 2014, 85, 678-684.	2.1	7
830	Attentional modulations of somatosensory alpha, beta and gamma oscillations dissociate between anticipation and stimulus processing. NeuroImage, 2014, 97, 134-141.	2.1	83
831	Applying EEG phase synchronization measures to non-linearly coupled neural mass models. Journal of Neuroscience Methods, 2014, 226, 1-14.	1.3	23
832	Entrainment of neural oscillations as a modifiable substrate of attention. Trends in Cognitive Sciences, 2014, 18, 300-309.	4.0	223
833	On parsing the neural code in the prefrontal cortex of primates using principal dynamic modes. Journal of Computational Neuroscience, 2014, 36, 321-337.	0.6	19
834	Anatomy of hierarchy: Feedforward and feedback pathways in macaque visual cortex. Journal of Comparative Neurology, 2014, 522, 225-259.	0.9	589
835	Survey of encoding and decoding of visual stimulus via FMRI: an image analysis perspective. Brain Imaging and Behavior, 2014, 8, 7-23.	1.1	35
836	Information flow in heterogeneously interacting systems. Cognitive Neurodynamics, 2014, 8, 17-26.	2.3	4
837	Synchronisation signatures in the listening brain: A perspective from non-invasive neuroelectrophysiology. Hearing Research, 2014, 307, 16-28.	0.9	48
838	Phase transfer entropy: A novel phase-based measure for directed connectivity in networks coupled by oscillatory interactions. NeuroImage, 2014, 85, 853-872.	2.1	235
839	Resting-state Modulation of Alpha Rhythms by Interference with Angular Gyrus Activity. Journal of Cognitive Neuroscience, 2014, 26, 107-119.	1.1	41
840	The Metastable Brain. Neuron, 2014, 81, 35-48.	3.8	533
841	Dynamic modulation of epileptic high frequency oscillations by the phase of slower cortical rhythms. Experimental Neurology, 2014, 251, 30-38.	2.0	75
842	Alpha power increases in right parietal cortex reflects focused internal attention. Neuropsychologia, 2014, 56, 393-400.	0.7	280

#	ARTICLE	IF	CITATIONS
843	Multisensory Integration: Flexible Use of General Operations. Neuron, 2014, 81, 1240-1253.	3.8	237
844	GABA estimation in the brains of children on the autism spectrum: Measurement precision and regional cortical variation. Neurolmage, 2014, 86, 1-9.	2.1	219
845	The Implications of Brain Connectivity in the Neuropsychology of Autism. Neuropsychology Review, 2014, 24, 16-31.	2.5	204
846	Enhanced synchronization of gamma activity between frontal lobes during REM sleep as a function of REM sleep deprivation in man. Experimental Brain Research, 2014, 232, 1497-1508.	0.7	8
847	Role of frequency mismatch in neuronal communication through coherence. Journal of Computational Neuroscience, 2014, 37, 193-208.	0.6	27
848	Directed Information Measures in Neuroscience. Understanding Complex Systems, 2014, , .	0.3	95
849	Low-Dimensional Dynamics of Resting-State Cortical Activity. Brain Topography, 2014, 27, 338-352.	0.8	50
850	BDNF and Synaptic Plasticity, Cognitive Function, and Dysfunction. Handbook of Experimental Pharmacology, 2014, 220, 223-250.	0.9	678
851	Detecting phase-amplitude coupling with high frequency resolution using adaptive decompositions. Journal of Neuroscience Methods, 2014, 226, 15-32.	1.3	43
852	A Chloroplast Retrograde Signal Regulates Nuclear Alternative Splicing. Science, 2014, 344, 427-430.	6.0	186
853	Within-session dynamics of theta–gamma coupling and high-frequency oscillations during spatial alternation in rat hippocampal area CA1. Cognitive Neurodynamics, 2014, 8, 363-372.	2.3	15
854	Neural Mechanisms of Object-Based Attention. Science, 2014, 344, 424-427.	6.0	445
855	Effects of Hippocampal State-Contingent Trial Presentation on Hippocampus-Dependent Nonspatial Classical Conditioning and Extinction. Journal of Neuroscience, 2014, 34, 6003-6010.	1.7	15
856	Molecular correlates of cortical network modulation by long-term sensory experience in the adult rat barrel cortex. Learning and Memory, 2014, 21, 305-310.	0.5	5
857	Adaptive coupling induced multi-stable states in complex networks. Physica D: Nonlinear Phenomena, 2014, 267, 36-48.	1.3	26
858	Estimates of segregation and overlap of functional connectivity networks in the human cerebral cortex. Neurolmage, 2014, 88, 212-227.	2.1	220
859	Cortical Inhibition, Excitation, and Connectivity in Schizophrenia: A Review of Insights From Transcranial Magnetic Stimulation. Schizophrenia Bulletin, 2014, 40, 685-696.	2.3	63
860	Chronic cortical and electromyographic recordings from a fully implantable device: preclinical experience in a nonhuman primate. Journal of Neural Engineering, 2014, 11, 016009.	1.8	52

#	Article	IF	CITATIONS
861	Oscillatory multiplexing of population codes for selective communication in the mammalian brain. Nature Reviews Neuroscience, 2014, 15, 111-122.	4.9	314
862	Cognitive architectures as a tool for investigating the role of oscillatory power and coherence in cognition. NeuroImage, 2014, 85, 685-693.	2.1	9
863	Deep brain stimulation for enhancement of learning and memory. NeuroImage, 2014, 85, 996-1002.	2.1	118
864	Oscillatory Dynamics and Place Field Maps Reflect Hippocampal Ensemble Processing of Sequence and Place Memory under NMDA Receptor Control. Neuron, 2014, 81, 402-415.	3.8	104
865	Creating the Feedback Loop. Neurosurgery Clinics of North America, 2014, 25, 187-204.	0.8	91
866	Cortical neural populations can guide behavior by integrating inputs linearly, independent of synchrony. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E178-87.	3.3	82
867	Changes of oscillatory brain activity induced by repetitive transcranial magnetic stimulation of the left dorsolateral prefrontal cortex in healthy subjects. NeuroImage, 2014, 88, 91-99.	2.1	43
868	Temporo-frontal phase synchronization supports hierarchical network for mismatch negativity. Clinical Neurophysiology, 2014, 125, 1604-1617.	0.7	29
869	Recognition memory and theta–gamma interactions in the hippocampus. Hippocampus, 2014, 24, 341-353.	0.9	59
870	Some Joys and Trials of Mathematical Neuroscience. Journal of Nonlinear Science, 2014, 24, 201-242.	1.0	7
871	Autism, oxytocin and interoception. Neuroscience and Biobehavioral Reviews, 2014, 47, 410-430.	2.9	302
872	Neural Communication Patterns Underlying Conflict Detection, Resolution, and Adaptation. Journal of Neuroscience, 2014, 34, 10438-10452.	1.7	90
873	Characterizing Heat-Sensitization Responses in Suspended Moxibustion with High-Density EEG. Pain Medicine, 2014, 15, 1272-1281.	0.9	11
874	Understanding bimanual coordination across small time scales from an electrophysiological perspective. Neuroscience and Biobehavioral Reviews, 2014, 47, 614-635.	2.9	40
875	Respiratory cycle entrainment of septal neurons mediates the fast coupling of sniffing rate and hippocampal theta rhythm. European Journal of Neuroscience, 2014, 39, 957-974.	1.2	44
876	A linear model for characterization of synchronization frequencies of neural networks. Cognitive Neurodynamics, 2014, 8, 55-69.	2.3	4
877	Affective processing in positive schizotypy: Loose control of social-emotional information. Brain and Cognition, 2014, 92, 84-91.	0.8	14
878	Beyond the Connectome: The Dynome. Neuron, 2014, 83, 1319-1328.	3.8	315

#	Article	IF	CITATIONS
879	Wedge MUSIC: A novel approach to examine experimental differences of brain source connectivity patterns from EEG/MEG data. NeuroImage, 2014, 101, 610-624.	2.1	10
880	The Hippocampal Cacophony: Multiple Layers of Communication. Neuron, 2014, 84, 251-253.	3.8	3
881	Attending to the forest and the trees. Physics of Life Reviews, 2014, 11, 391-399.	1.5	4
882	Reconfigurable task-dependent functional coupling modes cluster around a core functional architecture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130526.	1.8	342
883	The binding problem. Wiley Interdisciplinary Reviews: Cognitive Science, 2014, 5, 305-315.	1.4	19
884	Lesions of prefrontal cortex reduce attentional modulation of neuronal responses and synchrony in V4. Nature Neuroscience, 2014, 17, 1003-1011.	7.1	166
885	Effect of amplitude correlations on coherence in the local field potential. Journal of Neurophysiology, 2014, 112, 741-751.	0.9	53
886	Frontoparietal Correlation Dynamics Reveal Interplay between Integration and Segregation during Visual Working Memory. Journal of Neuroscience, 2014, 34, 13600-13613.	1.7	48
887	Complex network theory and the brain. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130520.	1.8	111
888	The sound symbolism bootstrapping hypothesis for language acquisition and language evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130298.	1.8	257
889	The frustrated brain: from dynamics on motifs to communities and networks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130532.	1.8	72
890	Theta–gamma cross-frequency coupling relates to the level of human intelligence. Intelligence, 2014, 46, 283-290.	1.6	26
891	Probing scale interaction in brain dynamics through synchronization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130533.	1.8	9
892	Resting-state hippocampal connectivity correlates with symptom severity in post-traumatic stress disorder. Neurolmage: Clinical, 2014, 5, 377-384.	1.4	77
893	Changes in MEG resting-state networks are related to cognitive decline in type 1 diabetes mellitus patients. NeuroImage: Clinical, 2014, 5, 69-76.	1.4	19
894	High-gamma activity in an attention network predicts individual differences in elderly adults' behavioral performance. Neurolmage, 2014, 100, 290-300.	2.1	14
895	Changes of motor-cortical oscillations associated with motor learning. Neuroscience, 2014, 275, 47-53.	1.1	97
896	An electrocorticographic electrode array for simultaneous recording from medial, lateral, and intrasulcal surface of the cortex in macaque monkeys. Journal of Neuroscience Methods, 2014, 233, 155-165.	1.3	30

#	Article	IF	Citations
898	Increase in hippocampal theta oscillations during spatial decision making. Hippocampus, 2014, 24, 693-702.	0.9	47
899	DRUG POLYCONSUMPTION IS ASSOCIATED WITH INCREASED SYNCHRONIZATION OF BRAIN ELECTRICAL-ACTIVITY AT REST AND IN A COUNTING TASK. International Journal of Neural Systems, 2014, 24, 1450005.	3.2	34
900	Interregional alpha-band synchrony supports temporal cross-modal integration. NeuroImage, 2014, 101, 404-415.	2.1	63
901	Theta–gamma coupling during episodic retrieval in the human EEG. Brain Research, 2014, 1577, 57-68.	1.1	66
902	The reorganization of corticomuscular coherence during a transition between sensorimotor states. Neurolmage, 2014, 100, 692-702.	2.1	82
903	Early Detection Method of Alzheimer's Disease Using EEG Signals. Lecture Notes in Computer Science, 2014, , 25-33.	1.0	3
904	Magnetoencephalography. Practical Neurology, 2014, 14, 336-343.	0.5	57
905	Neural control of brain state. Current Opinion in Neurobiology, 2014, 29, 178-186.	2.0	142
906	Distinct frequencies mark the direction of cortical communication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14316-14317.	3.3	3
907	Understanding alcohol use disorders with neuroelectrophysiology. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2014, 125, 383-414.	1.0	73
908	Multistable network dynamics through lateral inhibition: an efficient mechanism for selective information routing. BMC Neuroscience, 2014, 15, .	0.8	0
909	Goal-directed control with cortical units that are gated by both top-down feedback and oscillatory coherence. BMC Neuroscience, 2014, 15, .	0.8	O
910	Theta Phase Segregation of Input-Specific Gamma Patterns in Entorhinal-Hippocampal Networks. Neuron, 2014, 84, 470-485.	3.8	374
911	Seeking clues in brain development to explain the extraordinary evolution of language in humans. Language Sciences, 2014, 46, 220-231.	0.5	6
912	Identifying and Quantifying Multisensory Integration: A Tutorial Review. Brain Topography, 2014, 27, 707-730.	0.8	159
913	QEEG indexed frontal connectivity effects of transcranial pulsed current stimulation (tPCS): A sham-controlled mechanistic trial. Neuroscience Letters, 2014, 577, 61-65.	1.0	21
914	Increases in Functional Connectivity between Prefrontal Cortex and Striatum during Category Learning. Neuron, 2014, 83, 216-225.	3.8	133
915	Intrinsic and Task-Evoked Network Architectures of the Human Brain. Neuron, 2014, 83, 238-251.	3.8	1,369

#	ARTICLE	IF	Citations
916	Simultaneous Recordings from the Primary Visual Cortex and Lateral Geniculate Nucleus Reveal Rhythmic Interactions and a Cortical Source for Gamma-Band Oscillations. Journal of Neuroscience, 2014, 34, 7639-7644.	1.7	102
917	Age-related changes of frontal-midline theta is predictive of efficient memory maintenance. Neuroscience, 2014, 273, 152-162.	1.1	45
918	Imaging â€~top-down' mobilization of visual information: A case study in a posterior split-brain patient. Neuropsychologia, 2014, 53, 94-103.	0.7	3
919	Electrophysiological indices of interference resolution covary with individual fluid intelligence: investigating reactive control processes in a 3-back working memory task. Neurolmage, 2014, 93, 146-153.	2.1	4
920	Event-related potentials associated with performance monitoring in non-human primates. NeuroImage, 2014, 97, 308-320.	2.1	16
921	Role of myelin plasticity in oscillations and synchrony of neuronal activity. Neuroscience, 2014, 276, 135-147.	1.1	286
922	Neuromagnetic coherence of epileptic activity: An MEG study. Seizure: the Journal of the British Epilepsy Association, 2014, 23, 417-423.	0.9	14
923	The maturation of cortical sleep rhythms and networks over early development. Clinical Neurophysiology, 2014, 125, 1360-1370.	0.7	43
924	Neural mechanisms of motivated forgetting. Trends in Cognitive Sciences, 2014, 18, 279-292.	4.0	428
925	How the amygdala affects emotional memory by altering brain network properties. Neurobiology of Learning and Memory, 2014, 112, 2-16.	1.0	138
926	Re-wiring the brain: Increased functional connectivity within primary somatosensory cortex following synchronous co-activation. NeuroImage, 2014, 92, 19-26.	2.1	20
927	Group-level spatial independent component analysis of Fourier envelopes of resting-state MEG data. Neurolmage, 2014, 86, 480-491.	2.1	23
928	Oscillatory correlates of memory in non-human primates. Neurolmage, 2014, 85, 694-701.	2.1	14
929	Interactions between visual and semantic processing during object recognition revealed by modulatory effects of age of acquisition. NeuroImage, 2014, 87, 252-264.	2.1	16
930	Alteration of consciousness in focal epilepsy: The global workspace alteration theory. Epilepsy and Behavior, 2014, 30, 17-23.	0.9	22
931	Frontal theta as a mechanism for cognitive control. Trends in Cognitive Sciences, 2014, 18, 414-421.	4.0	1,661
933	Modulation Dynamics in the Orofacial Sensorimotor Cortex during Motor Skill Acquisition. Journal of Neuroscience, 2014, 34, 5985-5997.	1.7	46
934	Oscillations, networks, and their development: MEG connectivity changes with age. Human Brain Mapping, 2014, 35, 5249-5261.	1.9	69

#	Article	IF	CITATIONS
935	Induced Alpha Rhythms Track the Content and Quality of Visual Working Memory Representations with High Temporal Precision. Journal of Neuroscience, 2014, 34, 7587-7599.	1.7	25
936	Theta-band phase tracking in the two-talker problem. Brain and Language, 2014, 135, 52-56.	0.8	22
937	Modeling positive Granger causality and negative phase lag between cortical areas. NeuroImage, 2014, 99, 411-418.	2.1	53
938	Where attention falls: Increased risk of falls from the converging impact of cortical cholinergic and midbrain dopamine loss on striatal function. Experimental Neurology, 2014, 257, 120-129.	2.0	90
939	A Long-Range Fronto-Parietal 5- to 10-Hz Network Predicts "Top-Down" Controlled Guidance in a Task-Switch Paradigm. Cerebral Cortex, 2014, 24, 1996-2008.	1.6	97
940	Non-invasive brain stimulation in neurorehabilitation: local and distant effects for motor recovery. Frontiers in Human Neuroscience, 2014, 8, 378.	1.0	162
941	Hypothesis-driven methods to augment human cognition by optimizing cortical oscillations. Frontiers in Systems Neuroscience, 2014, 8, 119.	1.2	18
942	Enlarging the scope: grasping brain complexity. Frontiers in Systems Neuroscience, 2014, 8, 122.	1.2	42
943	The Interacting Body: Intra- and Interindividual Processes During Imitation. Journal of Cognitive Education and Psychology, 2014, 13, 163-175.	0.2	7
944	Taskâ€sensitive reconfiguration of corticocortical 6–20 Hz oscillatory coherence in naturalistic human performance. Human Brain Mapping, 2015, 36, 2455-2469.	1.9	15
945	Disruption of cortical integration during midazolamâ€induced light sedation. Human Brain Mapping, 2015, 36, 4247-4261.	1.9	31
946	Neural dynamics in mental disorders. World Psychiatry, 2015, 14, 116-118.	4.8	10
947	Cognitive impairment in epilepsy: the role of network abnormalities. Epileptic Disorders, 2015, 17, 101-116.	0.7	218
948	Consistency between functional and structural networks of coupled nonlinear oscillators. Physical Review E, 2015, 92, 012912.	0.8	10
949	Modularity and the spread of perturbations in complex dynamical systems. Physical Review E, 2015, 92, 060801.	0.8	7
950	Macroscopic Description for Networks of Spiking Neurons. Physical Review X, 2015, 5, .	2.8	184
951	Memory-induced mechanism for self-sustaining activity in networks. Physical Review E, 2015, 92, 062824.	0.8	1
952	Gender difference in the theta/alpha ratio during the induction of peaceful audiovisual modalities. Journal of Integrative Neuroscience, 2015, 14, 343-354.	0.8	0

#	Article	IF	CITATIONS
954	Infant Auditory Processing and Event-related Brain Oscillations. Journal of Visualized Experiments, 2015, , e52420.	0.2	14
955	Contrast-dependent modulation of gamma rhythm in v1: a network model. BMC Neuroscience, 2015, 16, .	0.8	1
956	Probing information routing mechanisms by precisely-timed electrical stimulation pulses: a modelling study. BMC Neuroscience, $2015, 16, .$	0.8	0
957	Stabilizing synchrony by inhomogeneity. Scientific Reports, 2015, 5, 13854.	1.6	6
958	Altered amygdalar restingâ€state connectivity in depression is explained by both genes and environment. Human Brain Mapping, 2015, 36, 3761-3776.	1.9	8
959	Elevated synchrony in <scp>P</scp> arkinson disease detected with electroencephalography. Annals of Neurology, 2015, 78, 742-750.	2.8	125
960	Early Use of 60 Hz Frequency Subthalamic Stimulation in Parkinson's Disease: A Case Series and Review. Neuromodulation, 2015, 18, 664-669.	0.4	42
961	Pay Attention!: Sluggish Multisensory Attentional Shifting as a Core Deficit in Developmental Dyslexia, 2015, 21, 285-303.	0.8	29
962	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
963	Individual peak gamma frequency predicts switch rate in perceptual rivalry. Human Brain Mapping, 2015, 36, 566-576.	1.9	19
964	Ageâ€related decrease in theta and gamma coherence across dorsal ca1 pyramidale and radiatum layers. Hippocampus, 2015, 25, 1327-1335.	0.9	6
965	7. General Discussion. , 2015, , 222-260.		0
966	Studying Attacks to Information Systems Using Functional Networks. Frontiers in ICT, 2015, 2, .	3.6	1
967	Ongoing behavioral state information signaled in the lateral habenula guides choice flexibility in freely moving rats. Frontiers in Behavioral Neuroscience, 2015, 9, 295.	1.0	57
968	Lasting EEG/MEG Aftereffects of Rhythmic Transcranial Brain Stimulation: Level of Control Over Oscillatory Network Activity. Frontiers in Cellular Neuroscience, 2015, 9, 477.	1.8	154
969	Spatiotemporal characteristics and pharmacological modulation of multiple gamma oscillations in the CA1 region of the hippocampus. Frontiers in Neural Circuits, 2014, 8, 150.	1.4	7
970	Traumatic Brain Injury Detection Using Electrophysiological Methods. Frontiers in Human Neuroscience, 2015, 9, 11.	1.0	101
971	A general framework for dynamic cortical function: the function-through-biased-oscillations (FBO) hypothesis. Frontiers in Human Neuroscience, 2015, 9, 352.	1.0	41

#	Article	IF	Citations
972	Top-down and bottom-up modulation of pain-induced oscillations. Frontiers in Human Neuroscience, 2015, 9, 375.	1.0	62
973	The Role of High-Level Processes for Oscillatory Phase Entrainment to Speech Sound. Frontiers in Human Neuroscience, 2015, 9, 651.	1.0	60
974	Functional constraints in the evolution of brain circuits. Frontiers in Neuroscience, 2015, 9, 303.	1.4	28
975	Global segregation of cortical activity and metastable dynamics. Frontiers in Systems Neuroscience, 2015, 9, 119.	1.2	8
976	Methods, caveats and the future of large-scale microelectrode recordings in the non-human primate. Frontiers in Systems Neuroscience, 2015, 9, 149.	1.2	13
977	Cognitive Collaborations: Bidirectional Functional Connectivity Between the Cerebellum and the Hippocampus. Frontiers in Systems Neuroscience, 2015, 9, 177.	1.2	92
978	Ensemble Empirical Mode Decomposition Analysis of EEG Data Collected during a Contour Integration Task. PLoS ONE, 2015, 10, e0119489.	1.1	34
979	Oscillatory Brain Activity Reveals Linguistic Prints in the Quantity Code. PLoS ONE, 2015, 10, e0121434.	1.1	11
980	Theta, Mental Flexibility, and Post-Traumatic Stress Disorder: Connecting in the Parietal Cortex. PLoS ONE, 2015, 10, e0123541.	1.1	37
981	Frontoparietal Structural Connectivity Mediates the Top-Down Control of Neuronal Synchronization Associated with Selective Attention. PLoS Biology, 2015, 13, e1002272.	2.6	80
982	Gamma Activity Coupled to Alpha Phase as a Mechanism for Top-Down Controlled Gating. PLoS ONE, 2015, 10, e0128667.	1.1	109
983	Self-Organized Near-Zero-Lag Synchronization Induced by Spike-Timing Dependent Plasticity in Cortical Populations. PLoS ONE, 2015, 10, e0140504.	1.1	22
984	A new approach for the quantification of synchrony of multivariate non-stationary psychophysiological variables during emotion eliciting stimuli. Frontiers in Psychology, 2014, 5, 1507.	1.1	5
985	Differential Intrinsic Coupling Modes in Psychological and Physical Trauma. Frontiers in Psychiatry, 2015, 6, 140.	1.3	5
986	A Novel Method of Early Diagnosis of Alzheimer's Disease Based on EEG Signals. Scientific World Journal, The, 2015, 2015, 1-11.	0.8	41
987	Hippocampal-Prefrontal Circuit and Disrupted Functional Connectivity in Psychiatric and Neurodegenerative Disorders. BioMed Research International, 2015, 2015, 1-10.	0.9	65
988	The Effect of Low-Frequency Sound Stimulation on Patients with Fibromyalgia: A Clinical Study. Pain Research and Management, 2015, 20, e21-e27.	0.7	27
989	Neural Synchrony as a Binding Mechanism. , 2015, , 634-638.		2

#	Article	IF	CITATIONS
990	Pulvinar Structure, Circuitry & Samp; Function in Primates \hat{a}^{\dagger} , , 2015, , .		1
991	Landscape and flux theory of non-equilibrium dynamical systems with application to biology. Advances in Physics, 2015, 64, 1-137.	35.9	174
992	The relative phases of basal ganglia activities dynamically shape effective connectivity in Parkinson's disease. Brain, 2015, 138, 1667-1678.	3.7	72
993	Dysfunctional Prefrontal Gamma-Band Oscillations Reflect Working Memory and Other Cognitive Deficits in Schizophrenia. Biological Psychiatry, 2015, 77, 1010-1019.	0.7	134
994	Effects of lesions on synchrony and metastability in cortical networks. NeuroImage, 2015, 118, 456-467.	2.1	106
995	â€~Activity-silent' working memory in prefrontal cortex: a dynamic coding framework. Trends in Cognitive Sciences, 2015, 19, 394-405.	4.0	606
996	Increased Resting-State Gamma-Band Connectivity in First-Episode Schizophrenia. Schizophrenia Bulletin, 2015, 41, 930-939.	2.3	108
997	The Message of Quantum Science. Lecture Notes in Physics, 2015, , .	0.3	6
998	Neural dynamics in motor preparation: From phase-mediated global computation to amplitude-mediated local computation. Neurolmage, 2015, 118, 445-455.	2.1	28
999	Brain Oscillations Mediate Successful Suppression of Unwanted Memories. Cerebral Cortex, 2015, 25, 4180-4190.	1.6	34
1000	Pathologies in functional connectivity, feedback control and robustness: a global workspace perspective on autism spectrum disorders. Cognitive Processing, 2015, 16, 1-16.	0.7	11
1001	Transparallel mind: classical computing with quantum power. Artificial Intelligence Review, 2015, 44, 341-363.	9.7	5
1002	Phase reset affects auditory-visual simultaneity judgment. Cognitive Neurodynamics, 2015, 9, 487-493.	2.3	16
1003	Gestalt perception is associated with reduced parietal beta oscillations. NeuroImage, 2015, 112, 61-69.	2.1	25
1004	Hippocampal Theta-Based Brain Computer Interface. Intelligent Systems Reference Library, 2015, , 155-184.	1.0	1
1005	Neuro-Oscillatory Phase Alignment Drives Speeded Multisensory Response Times: An Electro-Corticographic Investigation. Journal of Neuroscience, 2015, 35, 8546-8557.	1.7	90
1006	Both ongoing alpha and visually induced gamma oscillations show reliable diversity in their across-site phase-relations. Journal of Neurophysiology, 2015, 113, 1556-1563.	0.9	25
1007	Electromagnetic recording of the auditory system. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 129, 245-255.	1.0	9

#	ARTICLE	IF	CITATIONS
1008	Dynamic reconfiguration of the language network preceding onset of speech in picture naming. Human Brain Mapping, 2015, 36, 1202-1216.	1.9	43
1009	Prestimulus Network Integration of Auditory Cortex Predisposes Near-Threshold Perception Independently of Local Excitability. Cerebral Cortex, 2015, 25, 4898-4907.	1.6	50
1010	The Visual System's Internal Model of the World. Proceedings of the IEEE, 2015, 103, 1359-1378.	16.4	20
1011	Brain Network Connectivity During Language Comprehension: Interacting Linguistic and Perceptual Subsystems. Cerebral Cortex, 2015, 25, 3962-3976.	1.6	25
1012	A model for attentional information routing through coherence predicts biased competition and multistable perception. Journal of Neurophysiology, 2015, 114, 1593-1605.	0.9	17
1013	Dorsolateral Prefrontal Cortex Deactivation in Monkeys Reduces Preparatory Beta and Gamma Power in the Superior Colliculus. Cerebral Cortex, 2015, 25, 4704-4714.	1.6	9
1014	Emergence of biological complexity: Criticality, renewal and memory. Chaos, Solitons and Fractals, 2015, 81, 575-588.	2.5	22
1015	Neural-Event-Triggered fMRI of large-scale neural networks. Current Opinion in Neurobiology, 2015, 31, 214-222.	2.0	19
1016	Do gamma oscillations play a role in cerebral cortex?. Trends in Cognitive Sciences, 2015, 19, 78-85.	4.0	205
1017	Visual Areas Exert Feedforward and Feedback Influences through Distinct Frequency Channels. Neuron, 2015, 85, 390-401.	3.8	1,036
1018	Hemispheric asymmetries and the control of motor sequences. Behavioural Brain Research, 2015, 283, 30-36.	1.2	38
1019	Theta frontoparietal connectivity associated with proactive and reactive cognitive control processes. Neurolmage, 2015, 108, 354-363.	2.1	125
1020	An Efficient Implementation of the Synchronization Likelihood Algorithm for Functional Connectivity. Neuroinformatics, 2015, 13, 245-258.	1.5	12
1021	Brain Rhythms Connect Impaired Inhibition to Altered Cognition in Schizophrenia. Biological Psychiatry, 2015, 77, 1020-1030.	0.7	74
1022	The brain's resting-state activity is shaped by synchronized cross-frequency coupling of neural oscillations. NeuroImage, 2015, 111, 26-35.	2.1	174
1023	Neural processing of reward in adolescent rodents. Developmental Cognitive Neuroscience, 2015, 11, 145-154.	1.9	47
1024	Voluntary control of corticomuscular coherence through neurofeedback: A proof-of-principle study in healthy subjects. Neuroscience, 2015, 290, 243-254.	1,1	23
1025	Spatial consistency of neural firing regulates long-range local field potential synchronization: A computational study. Neural Networks, 2015, 62, 52-61.	3.3	3

#	Article	IF	CITATIONS
1026	Multigenerational prenatal stress increases the coherence of brain signaling among cortico–striatal–limbic circuits in adult rats. Neuroscience, 2015, 289, 270-278.	1.1	15
1027	Gamma Power Reductions Accompany Stimulus-Specific Representations of Dynamic Events. Current Biology, 2015, 25, 635-640.	1.8	48
1028	Mistakes were made: Neural mechanisms for the adaptive control of action initiation by the medial prefrontal cortex. Journal of Physiology (Paris), 2015, 109, 104-117.	2.1	65
1029	To see or not to see – Thalamo-cortical networks during blindsight and perceptual suppression. Progress in Neurobiology, 2015, 126, 36-48.	2.8	22
1030	Attention Drives Synchronization of Alpha and Beta Rhythms between Right Inferior Frontal and Primary Sensory Neocortex. Journal of Neuroscience, 2015, 35, 2074-2082.	1.7	79
1031	EEG functional connectivity is partially predicted by underlying white matter connectivity. NeuroImage, 2015, 108, 23-33.	2.1	95
1032	Gamma Oscillations in a Bind?. Cerebral Cortex, 2015, 25, 4651-4652.	1.6	1
1033	Errors on interrupter tasks presented during spatial and verbal working memory performance are linearly linked to large-scale functional network connectivity in high temporal resolution resting state fMRI. Brain Imaging and Behavior, 2015, 9, 854-867.	1.1	25
1034	Working Memory Capacity: Limits on the Bandwidth of Cognition. Daedalus, 2015, 144, 112-122.	0.9	32
1035	Cholinergic Control of Gamma Power in the Midbrain Spatial Attention Network. Journal of Neuroscience, 2015, 35, 761-775.	1.7	8
1036	Dynamics of EEG Rhythms Support Distinct Visual Selection Mechanisms in Parietal Cortex: A Simultaneous Transcranial Magnetic Stimulation and EEG Study. Journal of Neuroscience, 2015, 35, 721-730.	1.7	27
1037	Advances in Cognitive Neurodynamics (IV). Advances in Cognitive Neurodynamics, 2015, , .	0.1	3
1038	Complex brain network properties in late L2 learners and native speakers. Neuropsychologia, 2015, 68, 209-217.	0.7	9
1039	What does gamma coherence tell us about inter-regional neural communication?. Nature Neuroscience, 2015, 18, 484-489.	7.1	276
1040	Cortical networks dynamically emerge with the interplay of slow and fast oscillations for memory of a natural scene. Neurolmage, 2015, 111, 76-84.	2.1	7
1041	Stimulus Statistics Shape Oscillations in Nonlinear Recurrent Neural Networks. Journal of Neuroscience, 2015, 35, 2895-2903.	1.7	46
1042	Detecting Functional Connectivity During Audiovisual Integration with MEG: A Comparison of Connectivity Metrics. Brain Connectivity, 2015, 5, 336-348.	0.8	7
1043	Frequency-specific hippocampal-prefrontal interactions during associative learning. Nature Neuroscience, 2015, 18, 576-581.	7.1	159

#	Article	IF	CITATIONS
1044	An Informational Ontology and Epistemology of Cognition. Foundations of Science, 2015, 20, 249-279.	0.4	3
1045	Oscillatory synchrony as a mechanism of attentional processing. Brain Research, 2015, 1626, 165-182.	1.1	39
1046	Phase and amplitude correlations in resting-state activity in human stereotactical EEG recordings. NeuroImage, 2015, 112, 114-127.	2.1	74
1047	Dynamic synchronization of ongoing neuronal activity across spinal segments regulates sensory information flow. Journal of Physiology, 2015, 593, 2343-2363.	1.3	15
1048	Brain Responses to Movie Trailers Predict Individual Preferences for Movies and Their Population-Wide Commercial Success. Journal of Marketing Research, 2015, 52, 482-492.	3.0	221
1049	Neural Oscillations and Synchrony in Brain Dysfunction and Neuropsychiatric Disorders. JAMA Psychiatry, 2015, 72, 840.	6.0	115
1050	Dynamic reorganization of human resting-state networks during visuospatial attention. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8112-8117.	3.3	160
1051	MEG—measured auditory steady-state oscillations show high test–retest reliability: A sensor and source-space analysis. NeuroImage, 2015, 122, 417-426.	2.1	62
1052	The effect of transcranial alternating current stimulation (tACS) at alpha and beta frequency on motor learning. Behavioural Brain Research, 2015, 293, 234-240.	1.2	112
1053	Rate-adjusted spike–LFP coherence comparisons from spike-train statistics. Journal of Neuroscience Methods, 2015, 240, 141-153.	1.3	12
1054	Visual attention: Linking prefrontal sources to neuronal and behavioral correlates. Progress in Neurobiology, 2015, 132, 59-80.	2.8	43
1055	Oscillatory dynamics coordinating human frontal networks in support of goal maintenance. Nature Neuroscience, 2015, 18, 1318-1324.	7.1	173
1056	A DCM study of spectral asymmetries in feedforward and feedback connections between visual areas V1 and V4 in the monkey. NeuroImage, 2015, 108, 460-475.	2.1	129
1057	Complementary roles of cortical oscillations in automatic and controlled processing during rapid serial tasks. NeuroImage, 2015, 118, 268-281.	2.1	32
1058	Enhancing cognition using transcranial electrical stimulation. Current Opinion in Behavioral Sciences, 2015, 4, 171-178.	2.0	116
1059	Sensorimotor and cognitive involvement of the beta–gamma oscillation in the frontal N30 component of somatosensory evoked potentials. Neuropsychologia, 2015, 79, 215-222.	0.7	16
1060	Dynamic Network Mechanisms of Relational Integration. Journal of Neuroscience, 2015, 35, 7660-7673.	1.7	38
1061	Same clock, different time read-out: Spontaneous brain oscillations and their relationship to deficient coding of cognitive content. NeuroImage, 2015, 119, 316-324.	2.1	16

#	Article	IF	CITATIONS
1062	Fronto-Parietal Anatomical Connections Influence the Modulation of Conscious Visual Perception by High-Beta Frontal Oscillatory Activity. Cerebral Cortex, 2015, 25, 2095-2101.	1.6	48
1063	Input-Dependent Frequency Modulation of Cortical Gamma Oscillations Shapes Spatial Synchronization and Enables Phase Coding. PLoS Computational Biology, 2015, 11, e1004072.	1.5	56
1064	Hierarchical Organization of Frontotemporal Networks for the Prediction of Stimuli across Multiple Dimensions. Journal of Neuroscience, 2015, 35, 9255-9264.	1.7	92
1065	Extinction of Learned Fear Induces Hippocampal Place Cell Remapping. Journal of Neuroscience, 2015, 35, 9122-9136.	1.7	39
1066	Circuit to Construct Mapping: A Mathematical Tool for Assisting the Diagnosis and Treatment in Major Depressive Disorder. Frontiers in Psychiatry, 2015, 6, 29.	1.3	12
1067	Task- and stimulus-related cortical networks in language production: Exploring similarity of MEG-and fMRI-derived functional connectivity. NeuroImage, 2015, 120, 75-87.	2.1	32
1068	Oscillations in the human brain during walking execution, imagination and observation. Neuropsychologia, 2015, 79, 223-232.	0.7	41
1069	Computational Psychiatry: towards a mathematically informed understanding of mental illness. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, jnnp-2015-310737.	0.9	156
1070	Frequency of gamma oscillations in humans is modulated by velocity of visual motion. Journal of Neurophysiology, 2015, 114, 244-255.	0.9	40
1071	Decreased theta power at encoding and cognitive mapping deficits in elderly individuals during a spatial memory task. Neurobiology of Aging, 2015, 36, 2821-2829.	1.5	22
1072	Cross-frequency coupling in deep brain structures upon processing the painful sensory inputs. Neuroscience, 2015, 303, 412-421.	1.1	21
1073	Prediction and constraint in audiovisual speech perception. Cortex, 2015, 68, 169-181.	1.1	182
1074	Identifying neuronal oscillations using rhythmicity. NeuroImage, 2015, 118, 256-267.	2.1	51
1075	Attentional Bias Through Oscillatory Coherence Between Excitatory Activity and Inhibitory Minima. Neural Computation, 2015, 27, 1405-1437.	1.3	1
1076	Redistribution of neural phase coherence reflects establishment of feedforward map in speech motor adaptation. Journal of Neurophysiology, 2015, 113, 2471-2479.	0.9	19
1077	Synchronizing theta oscillations with direct-current stimulation strengthens adaptive control in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9448-9453.	3.3	100
1078	Memory-enhancing amygdala stimulation elicits gamma synchrony in the hippocampus Behavioral Neuroscience, 2015, 129, 244-256.	0.6	22
1079	Neuronal Network Oscillations in Neurodegenerative Diseases. NeuroMolecular Medicine, 2015, 17, 270-284.	1.8	70

#	Article	IF	CITATIONS
1080	Making Decisions Based on Autobiographical Memories. Neuron, 2015, 86, 350-352.	3.8	1
1081	Rhythms and blues: modulation of oscillatory synchrony and the mechanism of action of antidepressant treatments. Annals of the New York Academy of Sciences, 2015, 1344, 78-91.	1.8	50
1082	Parametric variation of gamma frequency and power with luminance contrast: A comparative study of human MEG and monkey LFP and spike responses. NeuroImage, 2015, 112, 327-340.	2.1	58
1083	Tactile remapping: from coordinate transformation to integration in sensorimotor processing. Trends in Cognitive Sciences, 2015, 19, 251-258.	4.0	102
1084	Somatosensory cortex functional connectivity abnormalities in autism show opposite trends, depending on direction and spatial scale. Brain, 2015, 138, 1394-1409.	3.7	125
1085	Human and Nonhuman Primate Neurophysiology to Understand the Pathophysiology of Movement Disorders., 2015,, 213-225.		0
1086	Poor motor function is associated with reduced sensory processing after stroke. Experimental Brain Research, 2015, 233, 1339-1349.	0.7	36
1087	Two Intrinsic Coupling Types for Resting-State Integration in the Human Brain. Brain Topography, 2015, 28, 318-329.	0.8	53
1088	The shape of dementia: new measures of morphological complexity in event-related potentials (ERP) and its application to the detection of Alzheimer's disease. Medical and Biological Engineering and Computing, 2015, 53, 889-897.	1.6	3
1089	Computational cognitive modelling of action awareness: prior and retrospective. Brain Informatics, 2015, 2, 77-106.	1.8	9
1090	Correlation between cortical and subcortical neural dynamics on multiple time scales in Parkinson's disease. Neuroscience, 2015, 298, 145-160.	1.1	19
1091	Dynamic Network Communication as a Unifying Neural Basis for Cognition, Development, Aging, and Disease. Biological Psychiatry, 2015, 77, 1089-1097.	0.7	387
1092	Excitatory Transmission to the Lateral Habenula Is Critical for Encoding and Retrieval of Spatial Memory. Neuropsychopharmacology, 2015, 40, 2843-2851.	2.8	40
1093	Topographic organization of the human and non-human primate subthalamic nucleus. Brain Structure and Function, 2015, 220, 3075-3086.	1.2	52
1094	Septo-hippocampal signal processing. Progress in Brain Research, 2015, 219, 103-120.	0.9	26
1095	Echoes of the Brain. Neuroscientist, 2015, 21, 540-551.	2.6	27
1096	Alterations in Cortical Network Oscillations and Parvalbumin Neurons in Schizophrenia. Biological Psychiatry, 2015, 77, 1031-1040.	0.7	409
1097	Mapping of Functionally Characterized Cell Classes onto Canonical Circuit Operations in Primate Prefrontal Cortex. Journal of Neuroscience, 2015, 35, 2975-2991.	1.7	88

#	Article	IF	Citations
1098	Gradual emergence of spontaneous correlated brain activity during fading of general anesthesia in rats: Evidences from fMRI and local field potentials. NeuroImage, 2015, 114, 185-198.	2.1	69
1099	For things needing your attention: the role of neocortical gamma in sensory perception. Current Opinion in Neurobiology, 2015, 31, 254-263.	2.0	39
1100	Sending mixed signals: worry is associated with enhanced initial error processing but reduced call for subsequent cognitive control. Social Cognitive and Affective Neuroscience, 2015, 10, 1548-1556.	1.5	43
1101	Synchronization in the System of Synaptically Coupled Neural Oscillators with Frequency-Dependent Coupling. Radiophysics and Quantum Electronics, 2015, 57, 745-758.	0.1	1
1102	Self-Consistent MUSIC: An approach to the localization of true brain interactions from EEG/MEG data. Neurolmage, 2015, 112, 299-309.	2.1	19
1103	Stimulusâ€dependent augmented gamma oscillatory activity between the functionally connected cortical neurons in the primary visual cortex. European Journal of Neuroscience, 2015, 41, 1587-1596.	1.2	16
1104	Long-Range Neural Synchrony in Behavior. Annual Review of Neuroscience, 2015, 38, 171-194.	5.0	160
1105	Uncovering phaseâ€coupled oscillatory networks in electrophysiological data. Human Brain Mapping, 2015, 36, 2655-2680.	1.9	13
1106	Alterations in sociability and functional brain connectivity caused by early-life seizures are prevented by bumetanide. Neurobiology of Disease, 2015, 77, 204-219.	2.1	42
1107	Cerebral hierarchies: predictive processing, precision and the pulvinar. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140169.	1.8	306
1109	Converging models of schizophrenia – Network alterations of prefrontal cortex underlying cognitive impairments. Progress in Neurobiology, 2015, 134, 178-201.	2.8	71
1110	Plasticity in oscillatory coupling between hippocampus and cortex. Current Opinion in Neurobiology, 2015, 35, 163-168.	2.0	36
1111	Assessment of Long-Term Habituation Correlates in Event-Related Potentials Using a von Mises Model. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 363-373.	2.7	3
1112	Age-Related Changes in 1/ <i>f</i> Neural Electrophysiological Noise. Journal of Neuroscience, 2015, 35, 13257-13265.	1.7	479
1113	Attention Modulates TMS-Locked Alpha Oscillations in the Visual Cortex. Journal of Neuroscience, 2015, 35, 14435-14447.	1.7	161
1114	Rhythmic Inhibition Allows Neural Networks to Search for Maximally Consistent States. Neural Computation, 2015, 27, 2510-2547.	1.3	10
1115	Cortical entrainment to music and its modulation by expertise. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6233-42.	3.3	227
1116	A mechanism for graded, dynamically routable current propagation in pulse-gated synfire chains and implications for information coding. Journal of Computational Neuroscience, 2015, 39, 181-195.	0.6	13

#	Article	IF	CITATIONS
1117	Validating Neuro-Computational Models of Neurological and Psychiatric Disorders. Springer Series in Computational Neuroscience, $2015, \ldots$	0.3	7
1118	Packet-based communication in the cortex. Nature Reviews Neuroscience, 2015, 16, 745-755.	4.9	160
1119	(No) time for control: Frontal theta dynamics reveal the cost of temporally guided conflict anticipation. Cognitive, Affective and Behavioral Neuroscience, 2015, 15, 787-807.	1.0	75
1120	Behavioral, perceptual, and neural alterations in sensory and multisensory function in autism spectrum disorder. Progress in Neurobiology, 2015, 134, 140-160.	2.8	265
1121	Bidirectional Modulation of Recognition Memory. Journal of Neuroscience, 2015, 35, 13323-13335.	1.7	29
1122	Computational neurostimulation for Parkinson's disease. Progress in Brain Research, 2015, 222, 163-190.	0.9	11
1123	ESMRMB 2015, 32nd Annual Scientific Meeting, Edinburgh, UK, 1-3 October: Abstracts, Thursday. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 1-135.	1.1	2
1124	From Behavior to Neural Dynamics: An Integrated Theory of Attention. Neuron, 2015, 88, 127-144.	3.8	245
1125	Rhythms for Cognition: Communication through Coherence. Neuron, 2015, 88, 220-235.	3.8	1,949
1126	Memory Retrieval in Mice and Men. Cold Spring Harbor Perspectives in Biology, 2015, 7, a021790.	2.3	36
1128	Mechanisms Responsible for Cognitive Impairment in Epilepsy. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a022772.	2.9	71
1129	Magnetoencephalography: Neurophysiologic Imaging for Perinatal Brain Development. NeoReviews, 2015, 16, e544-e550.	0.4	1
1130	Characterization of Cortical Networks and Corticocortical Functional Connectivity Mediating Arbitrary Visuomotor Mapping. Journal of Neuroscience, 2015, 35, 12643-12658.	1.7	41
1131	Frequency-Dependent Representation of Reinforcement-Related Information in the Human Medial and Lateral Prefrontal Cortex. Journal of Neuroscience, 2015, 35, 15827-15836.	1.7	47
1132	Functional role of induced gamma oscillatory responses in processing noxious and innocuous sensory events in humans. Neuroscience, 2015, 310, 389-400.	1.1	19
1133	Long-Range Attention Networks: Circuit Motifs Underlying Endogenously Controlled Stimulus Selection. Trends in Neurosciences, 2015, 38, 682-700.	4.2	97
1134	The Leaky Oscillator: Properties of Inhibition-Based Rhythms Revealed through the Singular Phase Response Curve. SIAM Journal on Applied Dynamical Systems, 2015, 14, 1930-1977.	0.7	12
1135	Increased Stimulus Expectancy Triggers Low-frequency Phase Reset during Restricted Vigilance. Journal of Cognitive Neuroscience, 2015, 27, 1811-1822.	1.1	21

#	Article	IF	CITATIONS
1136	Potential Mechanisms Underlying Intercortical Signal Regulation via Cholinergic Neuromodulators. Journal of Neuroscience, 2015, 35, 15000-15014.	1.7	17
1137	Neurofeedback training of alpha-band coherence enhances motor performance. Clinical Neurophysiology, 2015, 126, 1754-1760.	0.7	56
1138	Delta–Beta Coupled Oscillations Underlie Temporal Prediction Accuracy. Cerebral Cortex, 2015, 25, 3077-3085.	1.6	249
1139	The nonspecific thalamus: A place in a wedding bed for making memories last?. Neuroscience and Biobehavioral Reviews, 2015, 54, 175-196.	2.9	63
1140	Neural oscillations: beta band activity across motor networks. Current Opinion in Neurobiology, 2015, 32, 60-67.	2.0	98
1141	Oscillations and Neuronal Dynamics in Schizophrenia: The Search for Basic Symptoms and Translational Opportunities. Biological Psychiatry, 2015, 77, 1001-1009.	0.7	198
1142	Dynamics of Gamma Bursts in Local Field Potentials. Neural Computation, 2015, 27, 74-103.	1.3	20
1143	Gamma oscillations in the midbrain spatial attention network: linking circuits to function. Current Opinion in Neurobiology, 2015, 31, 189-198.	2.0	19
1144	Intracranial electroencephalography power and phase synchronization changes during monaural and binaural beat stimulation. European Journal of Neuroscience, 2015, 41, 254-263.	1.2	60
1145	Communication through coherence with inter-areal delays. Current Opinion in Neurobiology, 2015, 31, 173-180.	2.0	203
1146	In Vitro Recordings of Human Neocortical Oscillations. Cerebral Cortex, 2015, 25, 578-597.	1.6	50
1147	An Intracranial EEG Study of the Neural Dynamics of Musical Valence Processing. Cerebral Cortex, 2015, 25, 4038-4047.	1.6	30
1148	Effects of time lag and frequency matching on phase-based connectivity. Journal of Neuroscience Methods, 2015, 250, 137-146.	1.3	134
1149	Single trial analysis of field potentials in perception, learning and memory. Current Opinion in Neurobiology, 2015, 31, 148-155.	2.0	28
1150	Individual musical tempo preference correlates with <scp>EEG</scp> beta rhythm. Psychophysiology, 2015, 52, 600-604.	1.2	45
1151	Gamma Oscillations Underlie the Maintenance of Feature-Specific Information and the Contents of Visual Working Memory. Cerebral Cortex, 2015, 25, 3788-3801.	1.6	121
1152	Event-Related Potential, Time-frequency, and Functional Connectivity Facets of Local and Global Auditory Novelty Processing: An Intracranial Study in Humans. Cerebral Cortex, 2015, 25, 4203-4212.	1.6	90
1153	The strength of weak connections in the macaque cortico-cortical network. Brain Structure and Function, 2015, 220, 2939-2951.	1.2	55

#	Article	IF	CITATIONS
1154	Losing Control Under Ketamine: Suppressed Cortico-Hippocampal Drive Following Acute Ketamine in Rats. Neuropsychopharmacology, 2015, 40, 268-277.	2.8	73
1155	Acetylcholine, GABA and neuronal networks: A working hypothesis for compensations in the dystrophic brain. Brain Research Bulletin, 2015, 110, 1-13.	1.4	20
1156	Oscillatory multiplexing of neural population codes for interval timing and working memory. Neuroscience and Biobehavioral Reviews, 2015, 48, 160-185.	2.9	132
1157	Interareal oscillatory synchronization in top-down neocortical processing. Current Opinion in Neurobiology, 2015, 31, 62-66.	2.0	140
1158	Sound symbolism scaffolds language development in preverbal infants. Cortex, 2015, 63, 196-205.	1.1	132
1159	Challenges in the quantification and interpretation of spike-LFP relationships. Current Opinion in Neurobiology, 2015, 31, 111-118.	2.0	59
1160	An exploratory fMRI study into inferences of self-agency. Social Cognitive and Affective Neuroscience, 2015, 10, 708-712.	1.5	30
1161	Reliability of eventâ€related <scp>EEG</scp> functional connectivity during visual entrainment: Magnitude squared coherence and phase synchrony estimates. Psychophysiology, 2015, 52, 81-89.	1.2	28
1162	Stimulus Dependence of Gamma Oscillations in Human Visual Cortex. Cerebral Cortex, 2015, 25, 2951-2959.	1.6	163
1163	Why is "blindsight―blind? A new perspective on primary visual cortex, recurrent activity and visual awareness. Consciousness and Cognition, 2015, 32, 15-32.	0.8	53
1164	More than spikes: common oscillatory mechanisms for content specific neural representations during perception and memory. Current Opinion in Neurobiology, 2015, 31, 33-39.	2.0	88
1165	Human Thalamus Regulates Cortical Activity via Spatially Specific and Structurally Constrained Phase-Amplitude Coupling. Cerebral Cortex, 2015, 25, 1618-1628.	1.6	50
1166	The Cognitive Neuroscience of Working Memory. Annual Review of Psychology, 2015, 66, 115-142.	9.9	1,025
1167	Sex Differences in Gamma Band Functional Connectivity Between the Frontal Lobe and Cortical Areas During an Auditory Oddball Task, as Revealed by Imaginary Coherence Assessment. Open Neuroimaging Journal, 2016, 10, 85-101.	0.2	2
1168	The visual gamma response to faces reflects the presence of sensory evidence and not awareness of the stimulus. Royal Society Open Science, 2016, 3, 150593.	1.1	5
1169	Enhanced functional connectivity properties of human brains during in-situ nature experience. PeerJ, 2016, 4, e2210.	0.9	38
1170	Impaired Functional Connectivity in the Prefrontal Cortex: A Mechanism for Chronic Stress-Induced Neuropsychiatric Disorders. Neural Plasticity, 2016, 2016, 1-16.	1.0	54
1171	On cross-frequency phase-phase coupling between theta and gamma oscillations in the hippocampus. ELife, 2016, 5, .	2.8	120

#	Article	IF	CITATIONS
1172	Brain Computations in Schizophrenia., 2016, , 283-295.		0
1173	Selective Increase of Auditory Cortico-Striatal Coherence during Auditory-Cued Go/NoGo Discrimination Learning. Frontiers in Behavioral Neuroscience, 2015, 9, 368.	1.0	10
1174	Stimulus Presentation at Specific Neuronal Oscillatory Phases Experimentally Controlled with tACS: Implementation and Applications. Frontiers in Cellular Neuroscience, 2016, 10, 240.	1.8	25
1175	Central Thalamic Deep-Brain Stimulation Alters Striatal-Thalamic Connectivity in Cognitive Neural Behavior. Frontiers in Neural Circuits, 2015, 9, 87.	1.4	22
1176	Feed-Forward Propagation of Temporal and Rate Information between Cortical Populations during Coherent Activation in Engineered In Vitro Networks. Frontiers in Neural Circuits, 2016, 10, 32.	1.4	24
1177	Longitudinal Changes in Depressive Circuitry in Response to Neuromodulation Therapy. Frontiers in Neural Circuits, 2016, 10, 50.	1.4	55
1178	Discrepancies between Multi-Electrode LFP and CSD Phase-Patterns: A Forward Modeling Study. Frontiers in Neural Circuits, 2016, 10, 51.	1.4	20
1179	Cortical Neural Computation by Discrete Results Hypothesis. Frontiers in Neural Circuits, 2016, 10, 81.	1.4	7
1180	Intrinsic Cellular Properties and Connectivity Density Determine Variable Clustering Patterns in Randomly Connected Inhibitory Neural Networks. Frontiers in Neural Circuits, 2016, 10, 82.	1.4	23
1181	Cortical Gamma Oscillations: Details of Their Genesis Preclude a Role in Cognition. Frontiers in Computational Neuroscience, 2016, 10, 78.	1.2	20
1182	Multifactorial Modeling of Impairment of Evoked Gamma Range Oscillations in Schizophrenia. Frontiers in Computational Neuroscience, 2016, 10, 89.	1.2	16
1183	Does the Cerebral Cortex Exploit High-Dimensional, Non-linear Dynamics for Information Processing?. Frontiers in Computational Neuroscience, 2016, 10, 99.	1.2	31
1184	Structure and Topology Dynamics of Hyper-Frequency Networks during Rest and Auditory Oddball Performance. Frontiers in Computational Neuroscience, 2016, 10, 108.	1.2	17
1185	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
1186	Bursting Neurons in the Hippocampal Formation Encode Features of LFP Rhythms. Frontiers in Computational Neuroscience, 2016, 10, 133.	1.2	13
1187	Top-Down Control of Visual Alpha Oscillations: Sources of Control Signals and Their Mechanisms of Action. Frontiers in Human Neuroscience, 2016, 10, 15.	1.0	94
1188	Alpha-Band Oscillations Reflect Altered Multisensory Processing of the McGurk Illusion in Schizophrenia. Frontiers in Human Neuroscience, 2016, 10, 41.	1.0	23
1189	Is There Neural Evidence for an Evidence Accumulation Process in Memory Decisions?. Frontiers in Human Neuroscience, 2016, 10, 93.	1.0	7

#	Article	IF	CITATIONS
1190	The Oscillopathic Nature of Language Deficits in Autism: From Genes to Language Evolution. Frontiers in Human Neuroscience, 2016 , 10 , 120 .	1.0	61
1191	The Functional Role of Neural Oscillations in Non-Verbal Emotional Communication. Frontiers in Human Neuroscience, $2016, 10, 239$.	1.0	54
1192	New Perspectives on Spontaneous Brain Activity: Dynamic Networks and Energy Matter. Frontiers in Human Neuroscience, 2016, 10, 247.	1.0	31
1193	Theta Oscillation Reveals the Temporal Involvement of Different Attentional Networks in Contingent Reorienting. Frontiers in Human Neuroscience, 2016, 10, 264.	1.0	10
1194	Phase-Amplitude Coupling Is Elevated in Deep Sleep and in the Onset Zone of Focal Epileptic Seizures. Frontiers in Human Neuroscience, 2016, 10, 387.	1.0	71
1195	Sensorimotor Oscillations Prior to Speech Onset Reflect Altered Motor Networks in Adults Who Stutter. Frontiers in Human Neuroscience, 2016, 10, 443.	1.0	39
1196	Causal Interactions between FrontalÎ, – Parieto-Occipitalα2 Predict Performance on a Mental Arithmetic Task. Frontiers in Human Neuroscience, 2016, 10, 454.	1.0	38
1197	Coordination Dynamics in Cognitive Neuroscience. Frontiers in Neuroscience, 2016, 10, 397.	1.4	47
1198	A Tutorial Review of Functional Connectivity Analysis Methods and Their Interpretational Pitfalls. Frontiers in Systems Neuroscience, 2015, 9, 175.	1.2	820
1199	Spontaneous Neural Dynamics and Multi-scale Network Organization. Frontiers in Systems Neuroscience, 2016, 10, 7.	1.2	60
1200	A Role of Phase-Resetting in Coordinating Large Scale Neural Networks During Attention and Goal-Directed Behavior. Frontiers in Systems Neuroscience, 2016, 10, 18.	1.2	82
1201	Untangling Cortico-Striatal Connectivity and Cross-Frequency Coupling in L-DOPA-Induced Dyskinesia. Frontiers in Systems Neuroscience, 2016, 10, 26.	1.2	38
1202	Making Waves in the Brain: What Are Oscillations, and Why Modulating Them Makes Sense for Brain Injury. Frontiers in Systems Neuroscience, 2016, 10, 30.	1.2	32
1203	More Gamma More Predictions: Gamma-Synchronization as a Key Mechanism for Efficient Integration of Classical Receptive Field Inputs with Surround Predictions. Frontiers in Systems Neuroscience, 2016, 10, 35.	1.2	63
1204	The Cluster Variation Method: A Primer for Neuroscientists. Brain Sciences, 2016, 6, 44.	1.1	5
1205	Performance in Motor Imagery Tasks can be improved by Transcranial Alternating Current Stimulation. , 2016, , .		1
1206	A pulse-gated, predictive neural circuit. , 2016, , .		8
1207	Coherence between Rat Sensorimotor System and Hippocampus Is Enhanced during Tactile Discrimination. PLoS Biology, 2016, 14, e1002384.	2.6	68

#	Article	IF	CITATIONS
1208	Theta-Gamma Coding Meets Communication-through-Coherence: Neuronal Oscillatory Multiplexing Theories Reconciled. PLoS Computational Biology, 2016, 12, e1005162.	1.5	43
1209	Quantifying Neural Oscillatory Synchronization: A Comparison between Spectral Coherence and Phase-Locking Value Approaches. PLoS ONE, 2016, 11, e0146443.	1.1	105
1210	Coupling between Theta Oscillations and Cognitive Control Network during Cross-Modal Visual and Auditory Attention: Supramodal vs Modality-Specific Mechanisms. PLoS ONE, 2016, 11, e0158465.	1.1	27
1211	Ketamine Protects Gamma Oscillations by Inhibiting Hippocampal LTD. PLoS ONE, 2016, 11, e0159192.	1.1	9
1212	Synchrony in Psychotherapy: A Review and an Integrative Framework for the Therapeutic Alliance. Frontiers in Psychology, 2016, 7, 862.	1.1	245
1214	Anesthesia-induced Suppression of Human Dorsal Anterior Insula Responsivity at Loss of Volitional Behavioral Response. Anesthesiology, 2016, 124, 766-778.	1.3	31
1215	A biologically plausible mechanism for neuronal coding organized by the phase of alpha oscillations. European Journal of Neuroscience, 2016, 44, 2147-2161.	1.2	33
1216	Theta EEG neurofeedback benefits early consolidation of motor sequence learning. Psychophysiology, 2016, 53, 965-973.	1.2	27
1217	GABA _B receptor-mediated, layer-specific synaptic plasticity reorganizes gamma-frequency neocortical response to stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2721-9.	3.3	15
1218	Brain connectivity in autism spectrum disorder. Current Opinion in Neurology, 2016, 29, 137-147.	1.8	120
1219	Low- and high-gamma oscillations deviate in opposite directions from zero-phase synchrony in the limbic corticostriatal loop. Journal of Neurophysiology, 2016, 116, 5-17.	0.9	26
1221	Beta <scp>EEG</scp> reflects sensory processing in active wakefulness and homeostatic sleep drive in quiet wakefulness. Journal of Sleep Research, 2016, 25, 257-268.	1.7	45
1222	Conscious content generated by unconscious action-related adjustments. Behavioral and Brain Sciences, 2016, 39, e190.	0.4	0
1223	Electrophysiological effects of non-invasive Radio Electric Asymmetric Conveyor (REAC) on thalamocortical neural activities and perturbed experimental conditions. Scientific Reports, 2016, 5, 18200.	1.6	15
1224	At what timescale does consciousness operate?. Behavioral and Brain Sciences, 2016, 39, e181.	0.4	0
1225	Consciousness for perception and for action: A perspective from unconscious binding. Behavioral and Brain Sciences, 2016, 39, e185.	0.4	0
1226	A Neural Assembly–Based View on Word Production: The Bilingual Test Case. Language Learning, 2016, 66, 92-131.	1.4	17
1227	Neural oscillations in the temporal pole for a temporally congruent audio-visual speech detection task. Scientific Reports, 2016, 6, 37973.	1.6	21

#	Article	IF	CITATIONS
1228	The Segregation and Integration of Distinct Brain Networks and Their Relationship to Cognition. Journal of Neuroscience, 2016, 36, 12083-12094.	1.7	596
1229	Environmental factors linked to depression vulnerability are associated with altered cerebellar resting-state synchronization. Scientific Reports, 2016, 6, 37384.	1.6	21
1230	An "ecological―action-based synthesis. Behavioral and Brain Sciences, 2016, 39, e173.	0.4	5
1231	Inhibitory loop robustly induces anticipated synchronization in neuronal microcircuits. Physical Review E, 2016, 94, 042411.	0.8	13
1232	How does consciousness for action relate to attention for action?. Behavioral and Brain Sciences, 2016, 39, e176.	0.4	0
1233	Homing in on consciousness: Why is a dream conscious?. Behavioral and Brain Sciences, 2016, 39, e192.	0.4	0
1234	Explaining consciousness: From correlations to foundations. Behavioral and Brain Sciences, 2016, 39, e193.	0.4	0
1235	The chemosensory brain requires a distributed cellular mechanism to harness information and resolve conflicts–Âis consciousness the forum?. Behavioral and Brain Sciences, 2016, 39, e184.	0.4	0
1236	What if consciousness has no function?. Behavioral and Brain Sciences, 2016, 39, e171.	0.4	0
1237	Conscious olfaction: Content, function, and localization. Behavioral and Brain Sciences, 2016, 39, e188.	0.4	1
1238	The primary (dis)function of consciousness: (Non)Integration. Behavioral and Brain Sciences, 2016, 39, e189.	0.4	1
1239	The science of consciousness must include its more advanced forms. Behavioral and Brain Sciences, 2016, 39, e198.	0.4	0
1240	Neural communication through theta-gamma cross-frequency coupling in a bistable motion perception task. Journal of Integrative Neuroscience, 2016, 15, 539-551.	0.8	12
1241	Infer yourself: Interoception and internal "action―in conscious selfhood. Behavioral and Brain Sciences, 2016, 39, e196.	0.4	2
1242	Human consciousness is fundamental for perception and highest emotions. Behavioral and Brain Sciences, 2016, 39, e191.	0.4	4
1243	Muscle networks: Connectivity analysis of EMG activity during postural control. Scientific Reports, 2016, 5, 17830.	1.6	112
1244	Calling for a developmental perspective on action-based consciousness. Behavioral and Brain Sciences, 2016, 39, e174.	0.4	0
1245	Consciousness of emotions and action selection. Behavioral and Brain Sciences, 2016, 39, e177.	0.4	O

#	Article	IF	CITATIONS
1246	Nasal Respiration Entrains Human Limbic Oscillations and Modulates Cognitive Function. Journal of Neuroscience, 2016, 36, 12448-12467.	1.7	355
1247	Metacognition and conscious experience. Behavioral and Brain Sciences, 2016, 39, e195.	0.4	0
1248	Insights on consciousness from taste memory research. Behavioral and Brain Sciences, 2016, 39, e178.	0.4	1
1249	Getting back from the basics: What is the role for attention and fronto-parietal circuits in consciousness?. Behavioral and Brain Sciences, 2016, 39, e175.	0.4	0
1250	Limbic areas are functionally decoupled and visual cortex takes a more central role during fear conditioning in humans. Scientific Reports, 2016, 6, 29220.	1.6	16
1251	Homing in on consciousness in the nervous system: An action-based synthesis. Behavioral and Brain Sciences, 2016, 39, e168.	0.4	57
1252	Short-Term Effects of Rhythmic Sensory Stimulation in Alzheimer's Disease: An Exploratory Pilot Study. Journal of Alzheimer's Disease, 2016, 52, 651-660.	1.2	70
1253	Stimulus-dependent synchronization in delayed-coupled neuronal networks. Scientific Reports, 2016, 6, 23471.	1.6	40
1254	Spectral distribution of local field potential responses to electrical stimulation of the retina. Journal of Neural Engineering, 2016, 13, 036003.	1.8	15
1255	Physiological processes non-linearly affect electrophysiological recordings during transcranial electric stimulation. Neurolmage, 2016, 140, 99-109.	2.1	153
1256	Alpha power indexes task-related networks on large and small scales: A multimodal ECoG study in humans and a non-human primate. NeuroImage, 2016, 134, 122-131.	2.1	77
1257	Educational neuroscience: neural structure-mapping and the promise of oscillations. Current Opinion in Behavioral Sciences, 2016, 10, 89-96.	2.0	11
1258	Unbiased and robust quantification of synchronization between spikes and local field potential. Journal of Neuroscience Methods, 2016, 269, 33-38.	1.3	14
1259	Recovery of slow-5 oscillations in a longitudinal study of ischemic stroke patients. NeuroImage: Clinical, 2016, 11, 398-407.	1.4	6
1260	A network approach for modulating memory processes via direct and indirect brain stimulation: Toward a causal approach for the neural basis of memory. Neurobiology of Learning and Memory, 2016, 134, 162-177.	1.0	90
1261	TMS-induced theta phase synchrony reveals a bottom-up network in working memory. Neuroscience Letters, 2016, 622, 10-14.	1.0	13
1262	Intrinsic Cornu Ammonis Area 1 Theta-Nested Gamma Oscillations Induced by Optogenetic Theta Frequency Stimulation. Journal of Neuroscience, 2016, 36, 4155-4169.	1.7	57
1263	Primary motor and sensory cortical areas communicate via spatiotemporally coordinated networks at multiple frequencies. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5083-5088.	3.3	78

#	Article	IF	CITATIONS
1264	The topography of alpha-band activity tracks the content of spatial working memory. Journal of Neurophysiology, 2016, 115, 168-177.	0.9	185
1265	The where, when and how of word production: a commentary on Munding et al. 2015. Language, Cognition and Neuroscience, 2016, 31, 474-475.	0.7	O
1266	Mapping dynamical properties of cortical microcircuits using robotized TMS and EEG: Towards functional cytoarchitectonics. NeuroImage, 2016, 135, 115-124.	2.1	40
1267	Eigenmodes of brain activity: Neural field theory predictions and comparison with experiment. Neurolmage, 2016, 142, 79-98.	2.1	101
1268	Adaptive Control of Synchronization in Delay-Coupled Heterogeneous Networks of FitzHugh–Nagumo Nodes. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650058.	0.7	23
1269	Bio-inspired computer vision: Towards a synergistic approach of artificial and biological vision. Computer Vision and Image Understanding, 2016, 150, 1-30.	3.0	73
1270	Representational Mechanisms. Studies in Brain and Mind, 2016, , 37-89.	0.5	0
1271	A LIDA cognitive model tutorial. Biologically Inspired Cognitive Architectures, 2016, 16, 105-130.	0.9	35
1272	Boosting Norepinephrine Transmission Triggers Flexible Reconfiguration of Brain Networks at Rest. Cerebral Cortex, 2016, 27, 4691-4700.	1.6	34
1274	Oscillatory Dynamics in the Frontoparietal Attention Network during Sustained Attention in the Ferret. Cell Reports, 2016, 16, 2864-2874.	2.9	39
1275	Fast fMRI can detect oscillatory neural activity in humans. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6679-E6685.	3.3	146
1276	How Close Are We to Understanding What (if Anything) \hat{I}^3 Oscillations Do in Cortical Circuits?. Journal of Neuroscience, 2016, 36, 10489-10495.	1.7	81
1277	Snapshots of the Brain in Action: Local Circuit Operations through the Lens of \hat{I}^3 Oscillations. Journal of Neuroscience, 2016, 36, 10496-10504.	1.7	83
1278	Reward Expectancy Strengthens CA1 Theta and Beta Band Synchronization and Hippocampal-Ventral Striatal Coupling. Journal of Neuroscience, 2016, 36, 10598-10610.	1.7	44
1279	Brain oscillations and connectivity in autism spectrum disorders (ASD): new approaches to methodology, measurement and modelling. Neuroscience and Biobehavioral Reviews, 2016, 71, 601-620.	2.9	59
1280	Qualitative and quantitative aspects of synchronization in coupled CA1 pyramidal neurons. Chaos, Solitons and Fractals, 2016, 93, 32-38.	2.5	5
1281	Activity flow over resting-state networks shapes cognitive task activations. Nature Neuroscience, 2016, 19, 1718-1726.	7.1	403
1282	Midfrontal theta tracks action monitoring over multiple interactive time scales. Neurolmage, 2016, 141, 262-272.	2.1	39

#	Article	IF	CITATIONS
1283	Nodes and Edges. , 2016, , 37-88.		0
1284	Heterogeneity of time delays determines synchronization of coupled oscillators. Physical Review E, 2016, 94, 012209.	0.8	49
1285	Transient Modulations of Neural Responses to Heartbeats Covary with Bodily Self-Consciousness. Journal of Neuroscience, 2016, 36, 8453-8460.	1.7	118
1286	Desynchronization of fronto-temporal networks during working memory processing in autism. Human Brain Mapping, 2016, 37, 153-164.	1.9	52
1287	Neural Entrainment in Drum Rhythms with Silent Breaks: Evidence from Steady-state Evoked and Event-related Potentials. Journal of Cognitive Neuroscience, 2016, 28, 1865-1877.	1.1	24
1288	Alpha and gamma oscillation amplitudes synergistically predict the perception of forthcoming nociceptive stimuli. Human Brain Mapping, 2016, 37, 501-514.	1.9	93
1289	Training Working Memory in Childhood Enhances Coupling between Frontoparietal Control Network and Task-Related Regions. Journal of Neuroscience, 2016, 36, 9001-9011.	1.7	36
1290	Neural Activity Patterns Underlying Spatial Coding in the Hippocampus. Current Topics in Behavioral Neurosciences, 2016, 37, 43-100.	0.8	21
1291	Functional states of rat cortical circuits during the unpredictable availability of a reward-related cue. Scientific Reports, 2016, 6, 37650.	1.6	8
1292	Voluntary control of intracortical oscillations for reconfiguration of network activity. Scientific Reports, 2016, 6, 36255.	1.6	8
1293	Gamma-Rhythmic Gain Modulation. Neuron, 2016, 92, 240-251.	3.8	111
1294	Theta-band functional connectivity in the dorsal fronto-parietal network predicts goal-directed attention. Neuropsychologia, 2016, 92, 20-30.	0.7	52
1295	Bispectral pairwise interacting source analysis for identifying systems of cross-frequency interacting brain sources from electroencephalographic or magnetoencephalographic signals. Physical Review E, 2016, 93, 052420.	0.8	20
1296	Charting moment-to-moment brain signal variability from early to late childhood. Cortex, 2016, 83, 51-61.	1.1	27
1297	Global oscillation regime change by gated inhibition. Neural Networks, 2016, 82, 76-83.	3.3	0
1298	Brain Imaging With Magnetoencephalography During RestÂand During Speech and LanguageÂProcessing. , 2016, , 233-245.		0
1299	A 7T fMRI study investigating the influence of oscillatory phase on syllable representations. NeuroImage, 2016, 141, 1-9.	2.1	10
1300	Spectral fingerprints of largeâ€scale cortical dynamics during ambiguous motion perception. Human Brain Mapping, 2016, 37, 4099-4111.	1.9	25

#	Article	IF	CITATIONS
1301	Effect of Heterogeneity on Decorrelation Mechanisms in Spiking Neural Networks: A Neuromorphic-Hardware Study. Physical Review X, 2016, 6, .	2.8	15
1302	Short- and long-term dopamine depletion causes enhanced beta oscillations in the cortico-basal ganglia loop of parkinsonian rats. Experimental Neurology, 2016, 286, 124-136.	2.0	32
1303	Variability of cortical oscillation patterns: A possible endophenotype in autism spectrum disorders?. Neuroscience and Biobehavioral Reviews, 2016, 71, 590-600.	2.9	45
1304	Anomaly in neural phase coherence accompanies reduced sensorimotor integration in adults who stutter. Neuropsychologia, 2016, 93, 242-250.	0.7	31
1305	Mentor's brain functional connectivity network during robotic assisted surgery mentorship., 2016, 2016, 1717-1720.		3
1306	Frontosubthalamic Circuits for Control of Action and Cognition. Journal of Neuroscience, 2016, 36, 11489-11495.	1.7	198
1307	Probing the causal role of prestimulus interregional synchrony for perceptual integration via tACS. Scientific Reports, 2016, 6, 32065.	1.6	22
1308	Experimental observation of phase-flip transitions in the brain. Physical Review E, 2016, 94, 042420.	0.8	10
1309	Time-course of coherence in the human basal ganglia during voluntary movements. Scientific Reports, 2016, 6, 34930.	1.6	25
1310	Temporal coding of reward-guided choice in the posterior parietal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13492-13497.	3.3	35
1311	Mapping human temporal and parietal neuronal population activity and functional coupling during mathematical cognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7277-E7286.	3.3	68
1312	Dynamic information routing in complex networks. Nature Communications, 2016, 7, 11061.	5.8	145
1313	Dynamical state of the network determines the efficacy of single neuron properties in shaping the network activity. Scientific Reports, 2016, 6, 26029.	1.6	22
1314	Oscillatory brain activity during multisensory attention reflects activation, disinhibition, and cognitive control. Scientific Reports, 2016, 6, 32775.	1.6	68
1315	The critical role of phase difference in gamma oscillation within the temporoparietal network for binding visual working memory. Scientific Reports, 2016, 6, 32138.	1.6	61
1316	Vagus Nerve Stimulation Alters Phase Synchrony of the Anterior Cingulate Cortex and Facilitates Decision Making in Rats. Scientific Reports, 2016, 6, 35135.	1.6	26
1317	Locating consciousness: We are conflicted by the role of conflict. Behavioral and Brain Sciences, 2016, 39, e186.	0.4	0
1318	Four questions for passive frame theory. Behavioral and Brain Sciences, 2016, 39, e194.	0.4	0

#	Article	IF	Citations
1319	Consciousness weaves our internal view of the outside world. Behavioral and Brain Sciences, 2016, 39, e179.	0.4	1
1320	Origins of emotional consciousness. Behavioral and Brain Sciences, 2016, 39, e187.	0.4	0
1321	Is conscious content available only to the skeletal muscle system?. Behavioral and Brain Sciences, 2016, 39, e183.	0.4	0
1323	Promising Role of Neuromodulation in Predicting the Progression of Mild Cognitive Impairment to Dementia. Journal of Alzheimer's Disease, 2016, 53, 1375-1388.	1.2	31
1324	Consciousness around the time of saccadic eye movements. Behavioral and Brain Sciences, 2016, 39, e172.	0.4	0
1325	Content encapsulation in consciousness is likely to be incomplete. Behavioral and Brain Sciences, 2016, 39, e170.	0.4	O
1326	Passive frame theory: A new synthesis. Behavioral and Brain Sciences, 2016, 39, e199.	0.4	10
1327	Electrophysiological insights into connectivity anomalies in schizophrenia: a systematic review. Neuropsychiatric Electrophysiology, 2016, 2, .	4.1	46
1328	Concurrent Electroencephalography Recording During Transcranial Alternating Current Stimulation (tACS). Journal of Visualized Experiments, 2016, , e53527.	0.2	12
1329	Age-related oscillatory theta modulation of multisensory integration in frontocentral regions. NeuroReport, 2016, 27, 796-801.	0.6	13
1330	Spatial spread of local field potential is band-pass in the primary visual cortex. Journal of Neurophysiology, 2016, 116, 1986-1999.	0.9	34
1331	Action-based synthesis of parental brain consciousness. Behavioral and Brain Sciences, 2016, 39, e197.	0.4	0
1332	Neurocognitive Decoding of Aesthetic Appreciation. , 2016, , 87-106.		3
1333	Altered resonance properties of somatosensory responses in mice deficient for the schizophrenia risk gene Neuregulin 1. Brain Structure and Function, 2016, 221, 4383-4398.	1.2	4
1335	Attentional modulation of background connectivity between ventral visual cortex and the medial temporal lobe. Neurobiology of Learning and Memory, 2016, 134, 115-122.	1.0	32
1336	Prediction of successful memory encoding based on single-trial rhinal and hippocampal phase information. NeuroImage, 2016, 139, 127-135.	2.1	17
1337	Activation of D2 autoreceptors alters cocaine-induced locomotion and slows down local field oscillations in the rat ventral tegmental area. Neuropharmacology, 2016, 108, 120-127.	2.0	6
1338	Coherence in resting-state EEG as a predictor for the recovery from unresponsive wakefulness syndrome. Journal of Neurology, 2016, 263, 937-953.	1.8	47

#	Article	IF	CITATIONS
1339	Human subthalamic nucleus–medial frontal cortex theta phase coherence is involved in conflict and error related cortical monitoring. NeuroImage, 2016, 137, 178-187.	2.1	66
1340	Gamma Oscillations in the Hyperkinetic State Detected with Chronic Human Brain Recordings in Parkinson's Disease. Journal of Neuroscience, 2016, 36, 6445-6458.	1.7	252
1341	Selective Neural Synchrony Suppression as a Forward Gatekeeper to Piecemeal Conscious Perception. Cerebral Cortex, 2016, 26, 3010-3022.	1.6	10
1342	Thalamo-Cortical Interactions and Synchronous Oscillations in MEG Data. , 2016, , 69-86.		0
1343	<i>MarsAtlas</i> : A cortical parcellation atlas for functional mapping. Human Brain Mapping, 2016, 37, 1573-1592.	1.9	59
1344	Preliminary differences in resting state MEG functional connectivity pre- and post-ketamine in major depressive disorder. Psychiatry Research - Neuroimaging, 2016, 254, 56-66.	0.9	35
1345	Can visual cognitive neuroscience learn anything from the philosophy of language? Ambiguity and the topology of neural network models of multistable perception. SynthAˆse, 2016, 193, 1409-1432.	0.6	1
1346	Visual Contrast Sensitivity Improvement by Right Frontal High-Beta Activity Is Mediated by Contrast Gain Mechanisms and Influenced by Fronto-Parietal White Matter Microstructure. Cerebral Cortex, 2016, 26, 2381-2390.	1.6	34
1347	The cortical dynamics of speaking: present shortcomings and future avenues. Language, Cognition and Neuroscience, 2016, 31, 484-503.	0.7	72
1348	Alpha-Beta and Gamma Rhythms Subserve Feedback and Feedforward Influences among Human Visual Cortical Areas. Neuron, 2016, 89, 384-397.	3.8	582
1349	Spectrally resolved fast transient brain states in electrophysiological data. NeuroImage, 2016, 126, 81-95.	2.1	301
1350	The fear of other persons' laughter: Poor neuronal protection against social signals of anger and aggression. Psychiatry Research, 2016, 235, 61-68.	1.7	23
1351	Oscillatory phase modulates the timing of neuronal activations and resulting behavior. NeuroImage, 2016, 133, 294-301.	2.1	30
1352	Direction of information flow in large-scale resting-state networks is frequency-dependent. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3867-3872.	3.3	312
1353	The COGs (context, object, and goals) in multisensory processing. Experimental Brain Research, 2016, 234, 1307-1323.	0.7	51
1354	Extracting spatial–temporal coherent patterns in large-scale neural recordings using dynamic mode decomposition. Journal of Neuroscience Methods, 2016, 258, 1-15.	1.3	313
1355	Peculiarities of insight: Clinical implications of self-representations. Journal of Biosciences, 2016, 41, 3-8.	0.5	2
1356	On words and brains: linking psycholinguistics with neural dynamics in speech production. Language, Cognition and Neuroscience, 2016, 31, 524-535.	0.7	12

#	Article	IF	CITATIONS
1357	Threatening faces induce fear circuitry hypersynchrony in soldiers with post-traumatic stress disorder. Heliyon, 2016, 2, e00063.	1.4	14
1358	Decoding and Reconstructing the Focus of Spatial Attention from the Topography of Alpha-band Oscillations. Journal of Cognitive Neuroscience, 2016, 28, 1090-1097.	1.1	126
1359	moviEEG: An animation toolbox for visualization of intracranial electroencephalography synchronization dynamics. Clinical Neurophysiology, 2016, 127, 2370-2378.	0.7	1
1360	Longitudinal study of preterm and full-term infants: High-density EEG analyses of cortical activity in response to visual motion. Neuropsychologia, 2016, 84, 89-104.	0.7	23
1361	The loss of neural synchrony in the post septic brain. Clinical Neurophysiology, 2016, 127, 2200-2207.	0.7	4
1362	Feature-Based Attention by Lateral Spike Synchronization. Neural Computation, 2016, 28, 629-651.	1.3	0
1363	Stimulus-induced visual cortical networks are recapitulated by spontaneous local and interareal synchronization. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E606-15.	3.3	56
1364	Modulation of frontal effective connectivity during speech. NeuroImage, 2016, 140, 126-133.	2.1	44
1365	Dynamic construction of the neural networks underpinning empathy for pain. Neuroscience and Biobehavioral Reviews, 2016, 63, 191-206.	2.9	64
1366	Coherent and intermittent ensemble oscillations emerge from networks of irregular spiking neurons. Journal of Neurophysiology, 2016, 115, 457-469.	0.9	8
1367	Deep Brain Stimulation Diminishes Cross-Frequency Coupling in Obsessive-Compulsive Disorder. Biological Psychiatry, 2016, 80, e57-e58.	0.7	37
1368	Neural synchrony indexes impaired motor slowing after errors and novelty following white matter damage. Neurobiology of Aging, 2016, 38, 205-213.	1.5	13
1369	Metastability and Coherence: Extending the Communication through Coherence Hypothesis Using A Whole-Brain Computational Perspective. Trends in Neurosciences, 2016, 39, 125-135.	4.2	187
1370	Functional connectivity between prefrontal cortex and striatum estimated by phase locking value. Cognitive Neurodynamics, 2016, 10, 245-254.	2.3	15
1371	FPGA implementation of motifs-based neuronal network and synchronization analysis. Physica A: Statistical Mechanics and Its Applications, 2016, 451, 388-402.	1.2	2
1372	Phase Locking of Multiple Single Neurons to the Local Field Potential in Cat V1. Journal of Neuroscience, 2016, 36, 2494-2502.	1.7	27
1373	Driver state examinationâ€"Treading new paths. Accident Analysis and Prevention, 2016, 91, 157-165.	3.0	37
1374	The entorhinal map of space. Brain Research, 2016, 1637, 177-187.	1.1	21

#	Article	IF	CITATIONS
1375	Effect of Reference Scheme on Power and Phase of the Local Field Potential. Neural Computation, 2016, 28, 882-913.	1.3	62
1376	Reversing the testing effect by feedback: Behavioral and electrophysiological evidence. Cognitive, Affective and Behavioral Neuroscience, 2016, 16, 473-488.	1.0	12
1377	Top–Down Activation of Spatiotopic Sensory Codes in Perceptual and Working Memory Search. Journal of Cognitive Neuroscience, 2016, 28, 996-1009.	1,1	15
1378	Different coupling modes mediate cortical cross-frequency interactions. NeuroImage, 2016, 140, 76-82.	2.1	59
1379	Modulation of Frontoparietal Neurovascular Dynamics in Working Memory. Journal of Cognitive Neuroscience, 2016, 28, 379-401.	1.1	12
1380	Diverse Phase Relations among Neuronal Rhythms and Their Potential Function. Trends in Neurosciences, 2016, 39, 86-99.	4.2	108
1381	Representation of memories in the cortical–hippocampal system: Results from the application of population similarity analyses. Neurobiology of Learning and Memory, 2016, 134, 178-191.	1.0	40
1382	Cortical connectivity modulation induced by cerebellar oscillatory transcranial direct current stimulation in patients with chronic disorders of consciousness: A marker of covert cognition?. Clinical Neurophysiology, 2016, 127, 1845-1854.	0.7	48
1383	Concurrent information affects response inhibition processes via the modulation of theta oscillations in cognitive control networks. Brain Structure and Function, 2016, 221, 3949-3961.	1.2	61
1384	Binaural beats increase interhemispheric alpha-band coherence between auditory cortices. Hearing Research, 2016, 332, 233-237.	0.9	34
1385	Stability, bifurcations and synchronization in a delayed neural network model of <mml:math altimg="si70.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math> -identical neurons. Mathematics and Computers in Simulation, 2016, 121, 12-33.	2.4	11
1386	A stochastic model of input effectiveness during irregular gamma rhythms. Journal of Computational Neuroscience, 2016, 40, 85-101.	0.6	5
1387	Functional connectivity change as shared signal dynamics. Journal of Neuroscience Methods, 2016, 259, 22-39.	1.3	58
1388	Adolescent Social Stress Produces an Enduring Activation of the Rat Locus Coeruleus and Alters its Coherence with the Prefrontal Cortex. Neuropsychopharmacology, 2016, 41, 1376-1385.	2.8	32
1389	Estimating functional connectivity using 2D tangential components in MEG sensor space. Journal of Neuroscience Methods, 2016, 257, 64-75.	1.3	0
1390	Functional Brain Connectivity Develops Rapidly Around Term Age and Changes Between Vigilance States in the Human Newborn. Cerebral Cortex, 2016, 26, 4540-4550.	1.6	49
1391	Development of Network Synchronization Predicts Language Abilities. Journal of Cognitive Neuroscience, 2016, 28, 55-68.	1.1	24
1392	Cognitive Phase Transitions in the Cerebral Cortex - Enhancing the Neuron Doctrine by Modeling Neural Fields. Studies in Systems, Decision and Control, 2016, , .	0.8	33

#	Article	IF	CITATIONS
1393	Interacting sources of interference during sensorimotor integration processes. NeuroImage, 2016, 125, 342-349.	2.1	61
1394	Commentary by Steven L. Bressler. Studies in Systems, Decision and Control, 2016, , 127-134.	0.8	0
1395	Neuronal Oscillations, Coherence, and Consciousness. , 2016, , 49-60.		15
1396	Can hierarchical models display parallel cortical dynamics? A non-hierarchical alternative of brain language theory. Language, Cognition and Neuroscience, 2016, 31, 465-469.	0.7	7
1397	Motor System Interactions in the Beta Band Decrease during Loss of Consciousness. Journal of Cognitive Neuroscience, 2016, 28, 84-95.	1.1	11
1398	Preliminary evidence of reduced brain network activation in patients with post-traumatic migraine following concussion. Brain Imaging and Behavior, 2016, 10, 594-603.	1.1	35
1399	Modeling the neurodynamic organizations and interactions of teams. Social Neuroscience, 2016, 11, 123-139.	0.7	25
1400	Frequency Selectivity of Voxel-by-Voxel Functional Connectivity in Human Auditory Cortex. Cerebral Cortex, 2016, 26, 211-224.	1.6	41
1401	A cognitive architecture account of the visual local advantage phenomenon in autism spectrum disorders. Vision Research, 2016, 126, 278-290.	0.7	5
1402	Distributed Cortical Phase Synchronization in the EEG Reveals Parallel Attention and Working Memory Processes Involved in the Attentional Blink. Cerebral Cortex, 2016, 26, 2035-2045.	1.6	20
1403	Slow-Theta-to-Gamma Phase–Amplitude Coupling in Human Hippocampus Supports the Formation of New Episodic Memories. Cerebral Cortex, 2016, 26, 268-278.	1.6	163
1404	A case study of a meditation-induced altered state: increased overall gamma synchronization. Phenomenology and the Cognitive Sciences, 2017, 16, 91-106.	1.1	13
1405	Rigor and replication in time-frequency analyses of cognitive electrophysiology data. International Journal of Psychophysiology, 2017, 111, 80-87.	0.5	51
1406	Impact of anxiety on prefrontal cortex encoding of cognitive flexibility. Neuroscience, 2017, 345, 193-202.	1.1	158
1407	Autonomy and Enactivism: Towards a Theory of Sensorimotor Autonomous Agency. Topoi, 2017, 36, 409-430.	0.8	68
1408	Alpha and theta band dynamics related to sentential constraint and word expectancy. Language, Cognition and Neuroscience, 2017, 32, 576-589.	0.7	91
1409	Interhemispheric Connectivity Characterizes Cortical Reorganization in Motor-Related Networks After Cerebellar Lesions. Cerebellum, 2017, 16, 358-375.	1.4	21
1410	Aberrant alpha and gamma oscillations ex vivo after single application of the NMDA receptor antagonist MK-801. Schizophrenia Research, 2017, 188, 118-124.	1.1	21

#	Article	IF	CITATIONS
1411	Neural correlates of lexical decisions in Parkinson's disease revealed with multivariate extraction of cortico-subthalamic interactions. Clinical Neurophysiology, 2017, 128, 538-548.	0.7	7
1412	Modulation of Fast Narrowband Oscillations in the Mouse Retina and dLGN According to Background Light Intensity. Neuron, 2017, 93, 299-307.	3.8	73
1413	Subcortical Source and Modulation of the Narrowband Gamma Oscillation in Mouse Visual Cortex. Neuron, 2017, 93, 315-322.	3.8	140
1414	Neural pattern similarity between contra- and ipsilateral movements in high-frequency band of human electrocorticograms. Neurolmage, 2017, 147, 302-313.	2.1	17
1415	Neural plasticity and network remodeling: From concepts to pathology. Neuroscience, 2017, 344, 326-345.	1.1	30
1416	Diagnostic utility of brain activity flow patterns analysis in attention deficit hyperactivity disorder. Psychological Medicine, 2017, 47, 1259-1270.	2.7	13
1417	From connectome to cognition: The search for mechanism in human functional brain networks. Neurolmage, 2017, 160, 124-139.	2.1	102
1418	Guiding transcranial brain stimulation by EEG/MEG to interact with ongoing brain activity and associated functions: A position paper. Clinical Neurophysiology, 2017, 128, 843-857.	0.7	211
1419	Frequency-specific electrophysiologic correlates of resting state fMRI networks. NeuroImage, 2017, 149, 446-457.	2.1	118
1420	Local and interregional alpha EEG dynamics dissociate between memory for search and memory for recognition. Neurolmage, 2017, 149, 114-128.	2.1	58
1421	Rhythmic entrainment as a musical affect induction mechanism. Neuropsychologia, 2017, 96, 96-110.	0.7	93
1422	Disrupted global metastability and static and dynamic brain connectivity across individuals in the Alzheimer's disease continuum. Scientific Reports, 2017, 7, 40268.	1.6	94
1423	Difference in brain activation patterns of individuals with high and low intelligence in linguistic and visuo-spatial tasks: An EEG study. Intelligence, 2017, 61, 47-55.	1.6	15
1425	Magnetoencephalography for brain electrophysiology and imaging. Nature Neuroscience, 2017, 20, 327-339.	7.1	580
1426	Altered effective brain connectivity at early response of antipsychotics in first-episode schizophrenia with auditory hallucinations. Clinical Neurophysiology, 2017, 128, 867-874.	0.7	10
1427	Memory and Networks: Network-Based Approaches to Understanding the Neural Basis of Human Episodic Memory., 2017,, 99-111.		2
1428	The Contribution of Different Cortical Regions to the Control of Spatially Decoupled Eye–Hand Coordination. Journal of Cognitive Neuroscience, 2017, 29, 1194-1211.	1.1	11
1429	Phase analysis method for burst onset prediction. Physical Review E, 2017, 95, 022412.	0.8	0

#	Article	IF	Citations
1430	Age-related changes in neural oscillations supporting context memory retrieval. Cortex, 2017, 91, 40-55.	1.1	30
1431	The hierarchical basis of neurovisceral integration. Neuroscience and Biobehavioral Reviews, 2017, 75, 274-296.	2.9	353
1432	Auditory processing assessment suggests that Wistar audiogenic rat neural networks are prone to entrainment. Neuroscience, 2017, 347, 48-56.	1.1	11
1433	The Biological Background ofÂIntelligence. , 2017, , 33-100.		0
1434	Abnormal task driven neural oscillations in multiple sclerosis: A visuomotor MEG study. Human Brain Mapping, 2017, 38, 2441-2453.	1.9	24
1435	Evidence for Behaviorally Segregated, Spatiotemporally Overlapping Subnetworks in Phantom Sound Perception. Brain Connectivity, 2017, 7, 197-210.	0.8	9
1436	Characterization of neural entrainment to speech with and without slow spectral energy fluctuations in laminar recordings in monkey A1. Neurolmage, 2017, 150, 344-357.	2.1	13
1437	An in Silico, Biomarker-Based Method for the Evaluation of Virtual Neuropsychiatric Drug Effects. Neural Computation, 2017, 29, 1021-1052.	1.3	2
1438	Transient networks of spatio-temporal connectivity map communication pathways in brain functional systems. NeuroImage, 2017, 155, 490-502.	2.1	65
1439	Low-Frequency Cortical Oscillations Entrain to Subthreshold Rhythmic Auditory Stimuli. Journal of Neuroscience, 2017, 37, 4903-4912.	1.7	65
1440	From static to temporal network theory: Applications to functional brain connectivity. Network Neuroscience, 2017, 1, 69-99.	1.4	77
1441	Nonsinusoidal Beta Oscillations Reflect Cortical Pathophysiology in Parkinson's Disease. Journal of Neuroscience, 2017, 37, 4830-4840.	1.7	180
1442	Altered Functional Connectivity in Idiopathic Rapid Eye Movement Sleep Behavior Disorder: A Resting-State EEG Study. Sleep, 2017, 40, .	0.6	38
1443	Understanding principles of integration and segregation using whole-brain computational connectomics: implications for neuropsychiatric disorders. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160283.	1.6	95
1444	Changes in resting-state directed connectivity in cortico-subcortical networks correlate with cognitive function in Parkinson's disease. Clinical Neurophysiology, 2017, 128, 1319-1326.	0.7	34
1445	Aberrant Network Activity in Schizophrenia. Trends in Neurosciences, 2017, 40, 371-382.	4.2	90
1446	The impact of MEG source reconstruction method on source-space connectivity estimation: A comparison between minimum-norm solution and beamforming. NeuroImage, 2017, 156, 29-42.	2.1	79
1447	Cortical dynamics of disfluency in adults who stutter. Physiological Reports, 2017, 5, e13194.	0.7	22

#	Article	IF	Citations
1448	On the effectiveness of event-related beta tACS on episodic memory formation and motor cortex excitability. Brain Stimulation, 2017, 10, 910-918.	0.7	16
1449	Shifting attention to dynamics: Self-reconfiguration of neural networks. Current Opinion in Systems Biology, 2017, 3, 132-140.	1.3	16
1450	Instantaneous voltage as an alternative to power- and phase-based interpretation of oscillatory brain activity. Neurolmage, 2017, 157, 545-554.	2.1	22
1451	On optimal spatial filtering for the detection of phase coupling in multivariate neural recordings. NeuroImage, 2017, 157, 331-340.	2.1	4
1452	Low-frequency oscillations employ a general coding of the spatio-temporal similarity of dynamic faces. Neurolmage, 2017, 157, 486-499.	2.1	15
1453	Towards building a more complex view of the lateral geniculate nucleus: Recent advances in understanding its role. Progress in Neurobiology, 2017, 156, 214-255.	2.8	50
1454	Resting-state theta/beta EEG ratio is associated with reward- and punishment-related reversal learning. Cognitive, Affective and Behavioral Neuroscience, 2017, 17, 754-763.	1.0	29
1455	Flexible information routing by transient synchrony. Nature Neuroscience, 2017, 20, 1014-1022.	7.1	232
1456	Band-specific atypical functional connectivity pattern in childhood autism spectrum disorder. Clinical Neurophysiology, 2017, 128, 1457-1465.	0.7	28
1457	The graphical brain: Belief propagation and active inference. Network Neuroscience, 2017, 1, 381-414.	1.4	260
1458	The Cumulative Effects of Predictability on Synaptic Gain in the Auditory Processing Stream. Journal of Neuroscience, 2017, 37, 6751-6760.	1.7	52
1459	Comparison of connectivity analyses for resting state EEG data. Journal of Neural Engineering, 2017, 14, 036017.	1.8	66
1460	Genetic influences on functional connectivity associated with feedback processing and prediction error: Phase coupling of theta-band oscillations in twins. International Journal of Psychophysiology, 2017, 115, 133-141.	0.5	4
1461	Theta Oscillations Rapidly Convey Odor-Specific Content in Human Piriform Cortex. Neuron, 2017, 94, 207-219.e4.	3.8	56
1462	Variable frequency stimulation of subthalamic nucleus in Parkinson's disease: Rationale and hypothesis. Parkinsonism and Related Disorders, 2017, 39, 27-30.	1.1	25
1463	Modulation of Context-Dependent Spatiotemporal Patterns within Packets of Spiking Activity. Neural Computation, 2017, 29, 1263-1292.	1.3	1
1464	Internal valence modulates the speed of object recognition. Scientific Reports, 2017, 7, 361.	1.6	10
1465	Astrocytic modulation of neuronal excitability through K + spatial buffering. Neuroscience and Biobehavioral Reviews, 2017, 77, 87-97.	2.9	169

#	Article	IF	CITATIONS
1468	Stimulating at the right time: phase-specific deep brain stimulation. Brain, 2017, 140, 132-145.	3.7	213
1469	Epicenters of dynamic connectivity in the adaptation of the ventral visual system. Human Brain Mapping, 2017, 38, 1965-1976.	1.9	4
1470	Neurophysiological assessment of neural network plasticity and connectivity: Progress towards early functional biomarkers for disease interception therapies in Alzheimer's disease. Neuroscience and Biobehavioral Reviews, 2017, 73, 340-358.	2.9	30
1471	Reliability of graph metrics derived from restingâ€state human EEG. Psychophysiology, 2017, 54, 51-61.	1.2	30
1472	Brain Oscillations and the Importance of Waveform Shape. Trends in Cognitive Sciences, 2017, 21, 137-149.	4.0	380
1473	On the role of stigmergy in cognition. Progress in Artificial Intelligence, 2017, 6, 79-86.	1.5	5
1474	Memristive stochastic plasticity enables mimicking of neural synchrony: Memristive circuit emulates an optical illusion. Science Advances, 2017, 3, e1700849.	4.7	56
1475	Rhythms of the body, rhythms of the brain: Respiration, neural oscillations, and embodied cognition. Consciousness and Cognition, 2017, 56, 77-90.	0.8	84
1476	The cortical dynamics of speaking: Lexical and phonological knowledge simultaneously recruit the frontal and temporal cortex within 200Âms. NeuroImage, 2017, 163, 206-219.	2.1	42
1477	Disruption of Conscious Access in Schizophrenia. Trends in Cognitive Sciences, 2017, 21, 878-892.	4.0	40
1480	Modulation of Long-Range Connectivity Patterns via Frequency-Specific Stimulation of Human Cortex. Current Biology, 2017, 27, 3061-3068.e3.	1.8	48
1481	Neural Mechanisms of Language. Innovations in Cognitive Neuroscience, 2017, , .	0.3	5
1482	Bifurcation and synchronization analysis of neural mass model subpopulations. IFAC-PapersOnLine, 2017, 50, 14741-14745.	0.5	4
1483	Longâ€range cortical dynamics: a perspective from the mouse sensorimotor whisker system. European Journal of Neuroscience, 2017, 46, 2315-2324.	1.2	15
1484	The Timing of Reward-Seeking Action Tracks Visually Cued Theta Oscillations in Primary Visual Cortex. Journal of Neuroscience, 2017, 37, 10408-10420.	1.7	22
1485	Hippocampal GABAergic Inhibitory Interneurons. Physiological Reviews, 2017, 97, 1619-1747.	13.1	601
1486	Testing the effects of adolescent alcohol use on adult conflict-related theta dynamics. Clinical Neurophysiology, 2017, 128, 2358-2368.	0.7	9
1487	Synaptic convergence regulates synchronization-dependent spike transfer in feedforward neural networks. Journal of Computational Neuroscience, 2017, 43, 189-202.	0.6	25

#	Article	IF	CITATIONS
1488	Sensorimotor Processing in the Basal Ganglia Leads to Transient Beta Oscillations during Behavior. Journal of Neuroscience, 2017, 37, 11220-11232.	1.7	40
1489	Disrupted cholinergic modulation can underlie abnormal gamma rhythms in schizophrenia and auditory hallucination. Journal of Computational Neuroscience, 2017, 43, 173-187.	0.6	5
1490	How to target inter-regional phase synchronization with dual-site Transcranial Alternating Current Stimulation. NeuroImage, 2017, 163, 68-80.	2.1	94
1491	The effect of prior knowledge and intelligibility on the cortical entrainment response to speech. Journal of Neurophysiology, 2017, 118, 3144-3151.	0.9	25
1492	Home-cage odors spatial cues elicit theta phase/gamma amplitude coupling between olfactory bulb and dorsal hippocampus. Neuroscience, 2017, 363, 97-106.	1.1	18
1493	Laminar Organization of Encoding and Memory Reactivation in the Parietal Cortex. Neuron, 2017, 95, 1406-1419.e5.	3.8	88
1494	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 3. BMC Neuroscience, 2017, 18, .	0.8	7
1495	The temporal stability and variability across frequency bands in neural synchrony between primary and secondary somatosensory areas following somatosensory stimulation. Clinical Neurophysiology Practice, 2017, 2, 119-123.	0.6	0
1496	Gamma Oscillations in the Rat Ventral Striatum Originate in the Piriform Cortex. Journal of Neuroscience, 2017, 37, 7962-7974.	1.7	50
1497	The atypical dopamine receptor agonist <scp>SKF</scp> 83959 enhances hippocampal and prefrontal cortical neuronal network activity in a rat model of cognitive dysfunction. European Journal of Neuroscience, 2017, 46, 2015-2025.	1.2	6
1498	Enhanced Neuronal Synchrony During Skilled Reaching at High Altitude. High Altitude Medicine and Biology, 2017, 18, 296-298.	0.5	0
1499	State-dependent alpha peak frequency shifts: Experimental evidence, potential mechanisms and functional implications. Neuroscience, 2017, 360, 146-154.	1.1	163
1500	Theta and beta synchrony coordinate frontal eye fields and anterior cingulate cortex during sensorimotor mapping. Nature Communications, 2017, 8, 13967.	5.8	54
1501	Circadian-scale periodic bursts in theta and gamma-band coherence between hippocampus, cingulate and insular cortices. Neurobiology of Sleep and Circadian Rhythms, 2017, 3, 26-37.	1.4	4
1502	Role of the lateral habenula in memory through online processing of information. Pharmacology Biochemistry and Behavior, 2017, 162, 69-78.	1.3	14
1503	Changes in White Matter Microstructure Impact Cognition by Disrupting the Ability of Neural Assemblies to Synchronize. Journal of Neuroscience, 2017, 37, 8227-8238.	1.7	42
1504	Time-resolved phase-amplitude coupling in neural oscillations. NeuroImage, 2017, 159, 270-279.	2.1	57
1505	Temporal dynamics of saccades explained by a self-paced process. Scientific Reports, 2017, 7, 886.	1.6	36

#	Article	IF	CITATIONS
1506	Development of structural correlations and synchronization from adaptive rewiring in networks of Kuramoto oscillators. Chaos, 2017, 27, 073115.	1.0	40
1507	Selective entrainment of brain oscillations drives auditory perceptual organization. Neurolmage, 2017, 159, 195-206.	2.1	25
1508	Short-Term and Working Memory \hat{a}^{-} , , 2017, , 263-274.		0
1509	A Path to Understanding How Motor Cortex Influences Muscle Activity. Neuron, 2017, 95, 476-478.	3.8	2
1510	Widespread neural oscillations in the delta band dissociate rule convergence from rule divergence during creative idea generation. Neuropsychologia, 2017, 104, 8-17.	0.7	26
1511	Brain responses to 40-Hz binaural beat and effects on emotion and memory. International Journal of Psychophysiology, 2017, 120, 96-107.	0.5	31
1512	Editorial: On the relation of dynamics and structure in brain networks. Chaos, 2017, 27, 047201.	1.0	12
1513	Neurophysiologically-informed markers of individual variability and pharmacological manipulation of human cortical gamma. NeuroImage, 2017, 161, 19-31.	2.1	43
1514	Induced cortical oscillations in turtle cortex are coherent at the mesoscale of population activity, but not at the microscale of the membrane potential of neurons. Journal of Neurophysiology, 2017, 118, 2579-2591.	0.9	5
1515	Memory Processing in the Nervous System. Advanced Information and Knowledge Processing, 2017, , 83-98.	0.2	1
1516	Sequential hemifield gating of \hat{l}_{\pm} - and \hat{l}^2 -behavioral performance oscillations after microsaccades. Journal of Neurophysiology, 2017, 118, 2789-2805.	0.9	53
1517	Multimodal Fingerprints of Resting State Networks as assessed by Simultaneous Trimodal MR-PET-EEG Imaging. Scientific Reports, 2017, 7, 6452.	1.6	23
1518	Splitting in Schizophrenia: Controversies and Links Between Neuroscience and Psychodynamic Theory. Activitas Nervosa Superior, 2017, 59, 106-123.	0.4	3
1519	Sensory Stream Adaptation in Chaotic Networks. Scientific Reports, 2017, 7, 16844.	1.6	1
1520	Acupuncture analgesia involves modulation of pain-induced gamma oscillations and cortical network connectivity. Scientific Reports, 2017, 7, 16307.	1.6	23
1521	High-fat diet-induced obesity and insulin resistance are characterized by differential beta oscillatory signaling of the limbic cortico-basal ganglia loop. Scientific Reports, 2017, 7, 15555.	1.6	9
1522	GABA concentrations in the anterior temporal lobe predict human semantic processing. Scientific Reports, 2017, 7, 15748.	1.6	25
1523	Methodological standards and functional correlates of depth inÂvivo electrophysiological recordings in control rodents. A TASK 1â€∙WG 3 report of the AES / ILAE Translational Task Force of the ILAE. Epilepsia, 2017, 58, 28-39.	2.6	17

#	Article	IF	CITATIONS
1524	Brain Oscillations, Semantic Processing, and Episodic Memory. Innovations in Cognitive Neuroscience, 2017, , 63-80.	0.3	3
1525	Structural Integrity in the Genu of Corpus Callosum Predicts Conflict-induced Functional Connectivity Between Medial Frontal Cortex and Right Posterior Parietal Cortex. Neuroscience, 2017, 366, 162-171.	1.1	10
1526	Temporal progression in functional connectivity determines individual differences in working memory capacity. , 2017 , , .		3
1527	Stable functional networks exhibit consistent timing in the human brain. Brain, 2017, 140, 628-640.	3.7	16
1528	Mapping functional connectivity of bursting neuronal networks. Applied Network Science, 2017, 2, 15.	0.8	2
1529	Theta―and deltaâ€band EEG network dynamics during a novelty oddball task. Psychophysiology, 2017, 54, 1590-1605.	1.2	49
1530	Theta band transcranial alternating current stimulations modulates network behavior of dorsal anterior cingulate cortex. Scientific Reports, 2017, 7, 3607.	1.6	18
1531	Medial Prefrontal–Medial Temporal Theta Phase Coupling in Dynamic Spatial Imagery. Journal of Cognitive Neuroscience, 2017, 29, 507-519.	1.1	33
1532	Maternal behavior predicts infant neurophysiological and behavioral attention processes in the first year Developmental Psychology, 2017, 53, 13-27.	1.2	30
1533	Discovering recurring patterns in electrophysiological recordings. Journal of Neuroscience Methods, 2017, 275, 66-79.	1.3	11
1534	Synchronization of fronto-parietal beta and theta networks as a signature of visual awareness in neglect. Neurolmage, 2017, 146, 341-354.	2.1	26
1535	Effects of time delay and connection probability on self-sustained oscillations and synchronization transitions in excitable Erdös–Rényi random networks. Communications in Nonlinear Science and Numerical Simulation, 2017, 47, 127-138.	1.7	4
1536	Coordinative task difficulty and behavioural errors are associated with increased long-range beta band synchronization. Neurolmage, 2017, 146, 883-893.	2.1	19
1537	Selective Interareal Synchronization through Gamma Frequency Differences and Slower-Rhythm Gamma Phase Reset. Neural Computation, 2017, 29, 643-678.	1.3	4
1539	Electroencephalogram Coherence Patterns in Autism: AnÂUpdated Review. Pediatric Neurology, 2017, 67, 7-22.	1.0	54
1540	Financial time series analysis based on effective phase transfer entropy. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 398-408.	1.2	14
1541	Language deficits in schizophrenia and autism as related oscillatory connectomopathies: An evolutionary account. Neuroscience and Biobehavioral Reviews, 2017, 83, 742-764.	2.9	56
1542	Phase–amplitude coupling and the BOLD signal: A simultaneous intracranial EEG (icEEG) - fMRI study in humans performing a finger-tapping task. Neurolmage, 2017, 146, 438-451.	2.1	40

#	Article	IF	CITATIONS
1543	Task and Regions Specific Top-Down Modulation of Alpha Rhythms in Parietal Cortex. Cerebral Cortex, 2017, 27, 4815-4822.	1.6	41
1544	Assessment of driving fatigue based on intra/inter-region phase synchronization. Neurocomputing, 2017, 219, 474-482.	3.5	98
1545	Analytical Calculation of Mutual Information between Weakly Coupled Poisson-Spiking Neurons in Models of Dynamically Gated Communication. Neural Computation, 2017, 29, 118-145.	1.3	1
1546	Magnetoencephalography study of different relationships among low―and highâ€frequencyâ€band neural activities during the induction of peaceful and fearful audiovisual modalities among males and females. Journal of Neuroscience Research, 2017, 95, 176-188.	1.3	7
1547	Resting-state theta band connectivity and graph analysis in generalized social anxiety disorder. NeuroImage: Clinical, 2017, 13, 24-32.	1.4	64
1548	Interaction of language, auditory and memory brain networks in auditory verbal hallucinations. Progress in Neurobiology, 2017, 148, 1-20.	2.8	169
1549	A Pilot Study on Brain Source Localization and Connectivity Analysis with MEG Responses to Unilateral Tactile Stimuli in Healthy Children Using Normalized Principal Component Analysis. Journal of Signal Processing Systems, 2017, 87, 259-267.	1.4	0
1550	Attention to mental paint and change detection. Philosophical Studies, 2017, 174, 1991-2007.	0.5	1
1551	Reconciling cognitive and affective neuroscience perspectives on the brain basis of emotional experience. Neuroscience and Biobehavioral Reviews, 2017, 76, 187-215.	2.9	98
1552	Recovery time after localized perturbations in complex dynamical networks. New Journal of Physics, 2017, 19, 103004.	1.2	12
1553	Fluctuations in instantaneous frequency predict alpha amplitude during visual perception. Nature Communications, 2017, 8, 2071.	5.8	48
1554	Spectral Signatures of Feedforward and Recurrent Circuitry in Monkey Area MT. Cerebral Cortex, 2017, 27, 2793-2808.	1.6	2
1555	Individual differences in EEG correlates of recognition memory due to DAT polymorphisms. Brain and Behavior, 2017, 7, e00870.	1.0	9
1556	Beta oscillations in major depression – signalling a new cortical circuit for central executive function. Scientific Reports, 2017, 7, 18021.	1.6	48
1557	Perception of social synchrony induces mother–child gamma coupling in the social brain. Social Cognitive and Affective Neuroscience, 2017, 12, 1036-1046.	1.5	85
1558	Coupling of the \hat{l}^2 Rhythm and Slow Electric Activity of the Cerebral Cortex during the Performance of Go/NoGo Tasks and the Identification of the Facial Expression. Human Physiology, 2017, 43, 637-643.	0.1	0
1559	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 1. BMC Neuroscience, 2017, 18, .	0.8	0
1560	6 Wirkweise der tiefen Hirnstimulation. , 2017, , 73-88.		0

#	Article	IF	CITATIONS
1563	Neural Hyperexcitability in Autism Spectrum Disorders. Brain Sciences, 2017, 7, 129.	1.1	55
1564	EEG Dynamics of a Go/Nogo Task in Children with ADHD. Brain Sciences, 2017, 7, 167.	1.1	27
1565	The temporal dynamics involved in object representation updating to predict change. Progress in Brain Research, 2017, 236, 269-285.	0.9	4
1566	Externally induced frontoparietal synchronization modulates network dynamics and enhances working memory performance. ELife, 2017, 6, .	2.8	147
1567	A Principle for Describing and Verifying Brain Mechanisms Using Ongoing Activity. Frontiers in Neural Circuits, 2017, 11, 1.	1.4	67
1568	Sleep-Dependent Oscillatory Synchronization: A Role in Fear Memory Consolidation. Frontiers in Neural Circuits, 2017, 11, 49.	1.4	15
1569	Distinct Temporal Coordination of Spontaneous Population Activity between Basal Forebrain and Auditory Cortex. Frontiers in Neural Circuits, 2017, 11, 64.	1.4	15
1570	Dichotomous Dynamics in E-I Networks with Strongly and Weakly Intra-connected Inhibitory Neurons. Frontiers in Neural Circuits, 2017, 11, 104.	1.4	18
1571	Phase Difference between Model Cortical Areas Determines Level of Information Transfer. Frontiers in Computational Neuroscience, 2017, 11, 6.	1.2	14
1572	Disrupted Gamma Synchrony after Mild Traumatic Brain Injury and Its Correlation with White Matter Abnormality. Frontiers in Neurology, 2017, 8, 571.	1.1	28
1573	Morphological and Functional Differences between Athletes and Novices in Cortical Neuronal Networks. Frontiers in Human Neuroscience, 2016, 10, 660.	1.0	13
1574	Increase in Beta-Band Activity during Preparation for Overt Speech in Patients with Parkinson's Disease. Frontiers in Human Neuroscience, 2017, 11, 371.	1.0	8
1575	Phase-Dependent Modulation of Signal Transmission in Cortical Networks through tACS-Induced Neural Oscillations. Frontiers in Human Neuroscience, 2017, 11, 471.	1.0	21
1576	Neural Entrainment to Polyrhythms: A Comparison of Musicians and Non-musicians. Frontiers in Neuroscience, 2017, 11, 208.	1.4	35
1577	Non-linear Analysis of Scalp EEG by Using Bispectra: The Effect of the Reference Choice. Frontiers in Neuroscience, 2017, 11, 262.	1.4	46
1578	Electrocorticographic Temporal Alteration Mapping: A Clinical Technique for Mapping the Motor Cortex with Movement-Related Cortical Potentials. Frontiers in Neuroscience, 2017, 11, 326.	1.4	4
1579	Top-Down Control of Visual Attention by the Prefrontal Cortex. Functional Specialization and Long-Range Interactions. Frontiers in Neuroscience, 2017, 11, 545.	1.4	105
1580	Neuroelectric Tuning of Cortical Oscillations by Apical Dendrites in Loop Circuits. Frontiers in Systems Neuroscience, 2017, 11, 37.	1.2	8

#	ARTICLE	IF	CITATIONS
1581	Human subthalamic nucleus activity during non-motor decision making. ELife, 2017, 6, .	2.8	34
1582	Could LC-NE-Dependent Adjustment of Neural Gain Drive Functional Brain Network Reorganization?. Neural Plasticity, 2017, 2017, 1-12.	1.0	27
1583	A Consistent Definition of Phase Resetting Using Hilbert Transform. International Scholarly Research Notices, 2017, 2017, 1-10.	0.9	8
1584	Robust Master-Slave Synchronization of Neuronal Systems. Mathematical Problems in Engineering, 2017, 2017, 1-10.	0.6	2
1585	<i>Deqi</i> Induction by HT7 Acupuncture Alters Theta and Alpha Band Coherence in Human Healthy Subjects. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-8.	0.5	7
1586	A neural mass model of cross frequency coupling. PLoS ONE, 2017, 12, e0173776.	1.1	18
1587	Learning about learning: Mining human brain sub-network biomarkers from fMRI data. PLoS ONE, 2017, 12, e0184344.	1.1	7
1588	The role of cortical oscillations in a spiking neural network model of the basal ganglia. PLoS ONE, 2017, 12, e0189109.	1.1	23
1589	Increased Gamma Brainwave Amplitude Compared to Control in Three Different Meditation Traditions. PLoS ONE, 2017, 12, e0170647.	1.1	112
1590	Top-down control of cortical gamma-band communication via pulvinar induced phase shifts in the alpha rhythm. PLoS Computational Biology, 2017, 13, e1005519.	1.5	35
1591	Non-linear auto-regressive models for cross-frequency coupling in neural time series. PLoS Computational Biology, 2017, 13, e1005893.	1.5	49
1592	The pairwise phase consistency in cortical network and its relationship with neuronal activation. BIO Web of Conferences, 2017, 8, 02006.	0.1	0
1593	Evolution of the Human Brain: Design Without a Designer. , 2017, , 153-167.		0
1594	Long-Term Deficits in Cortical Circuit Function after Asphyxial Cardiac Arrest and Resuscitation in Developing Rats. ENeuro, 2017, 4, ENEURO.0319-16.2017.	0.9	5
1595	Hearing Problems. , 2017, , 93-128.		0
1596	White Matter Expansion. , 2017, , 291-308.		2
1597	Proactive Control: Neural Oscillatory Correlates of Conflict Anticipation and Response Slowing. ENeuro, 2017, 4, ENEURO.0061-17.2017.	0.9	18
1598	Local or Not Local: Investigating the Nature of Striatal Theta Oscillations in Behaving Rats. ENeuro, 2017, 4, ENEURO.0128-17.2017.	0.9	45

#	ARTICLE	IF	CITATIONS
1599	Communication between Brain Areas Based on Nested Oscillations. ENeuro, 2017, 4, ENEURO.0153-16.2017.	0.9	193
1600	The dynamics of error processing in the human brain as reflected by high-gamma activity in noninvasive and intracranial EEG. Neurolmage, 2018, 173, 564-579.	2.1	31
1601	A novel, fast and efficient single-sensor automatic sleep-stage classification based on complementary cross-frequency coupling estimates. Clinical Neurophysiology, 2018, 129, 815-828.	0.7	49
1602	Functional EEG Connectivity Alterations in Alzheimer's Disease. Neuromethods, 2018, , 157-166.	0.2	1
1604	Intracranial Electrophysiology of the Human Default Network. Trends in Cognitive Sciences, 2018, 22, 307-324.	4.0	86
1605	Selective Attention Gates the Interactive Crossmodal Coupling between Perceptual Systems. Current Biology, 2018, 28, 746-752.e5.	1.8	32
1606	Hippocampal network oscillations as mediators of behavioural metaplasticity: Insights from emotional learning. Neurobiology of Learning and Memory, 2018, 154, 37-53.	1.0	26
1607	Alpha-gamma phase amplitude coupling subserves information transfer during perceptual sequence learning. Neurobiology of Learning and Memory, 2018, 149, 107-117.	1.0	17
1608	Biomarkers for Preclinical Alzheimer's Disease. Neuromethods, 2018, , .	0.2	5
1609	Disruption in neural phase synchrony is related to identification of inattentional deafness in realâ€world setting. Human Brain Mapping, 2018, 39, 2596-2608.	1.9	32
1610	Distinct phase-amplitude couplings distinguish cognitive processes in human attention. NeuroImage, 2018, 175, 111-121.	2.1	26
1611	An asymptotic theory for cross-correlation between auto-correlated sequences and its application on neuroimaging data. Journal of Neuroscience Methods, 2018, 304, 52-65.	1.3	0
1614	1/f neural noise and electrophysiological indices of contextual prediction in aging. Brain Research, 2018, 1691, 34-43.	1.1	112
1615	Coupling of respiration and attention via the locus coeruleus: Effects of meditation and pranayama. Psychophysiology, 2018, 55, e13091.	1.2	58
1616	The dynamics of disordered dialogue: Prefrontal, hippocampal and thalamic miscommunication underlying working memory deficits in schizophrenia. Brain and Neuroscience Advances, 2018, 2, 239821281877182.	1.8	41
1617	Pallidal Deep-Brain Stimulation Disrupts Pallidal Beta Oscillations and Coherence with Primary Motor Cortex in Parkinson's Disease. Journal of Neuroscience, 2018, 38, 4556-4568.	1.7	114
1618	Understanding the Emergence of Neuropsychiatric Disorders With Network Neuroscience. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 742-753.	1.1	61
1619	Attention Selectively Gates Afferent Signal Transmission to Area V4. Journal of Neuroscience, 2018, 38, 3441-3452.	1.7	25

#	Article	IF	CITATIONS
1620	Distinct Beta-band Oscillatory Circuits Underlie Corticospinal Gain Modulation. Cerebral Cortex, 2018, 28, 1502-1515.	1.6	54
1621	LFP beta amplitude is linked to mesoscopic spatio-temporal phase patterns. Scientific Reports, 2018, 8, 5200.	1.6	45
1622	Impaired corticomuscular and interhemispheric cortical beta oscillation coupling in amyotrophic lateral sclerosis. Clinical Neurophysiology, 2018, 129, 1479-1489.	0.7	36
1623	The neural effects of positively and negatively re-experiencing mental fatigue sensation: a magnetoencephalography study. Experimental Brain Research, 2018, 236, 1735-1747.	0.7	6
1624	Working memory training in congenitally blind individuals results in an integration of occipital cortex in functional networks. Behavioural Brain Research, 2018, 348, 31-41.	1.2	13
1625	Identifying Phase-Amplitude Coupling in Cyclic Alternating Pattern using Masking Signals. Scientific Reports, 2018, 8, 2649.	1.6	27
1626	Variability and stability of large-scale cortical oscillation patterns. Network Neuroscience, 2018, 2, 481-512.	1.4	21
1627	Maturation trajectories of cortical resting-state networks depend on the mediating frequency band. Neurolmage, 2018, 174, 57-68.	2.1	53
1628	Supraspinal modulation of neuronal synchronization by nociceptive stimulation induces an enduring reorganization of dorsal horn neuronal connectivity. Journal of Physiology, 2018, 596, 1747-1776.	1.3	11
1629	Pallidal deep brain stimulation modulates excessive cortical high \hat{l}^2 phase amplitude coupling in Parkinson disease. Brain Stimulation, 2018, 11, 607-617.	0.7	54
1630	Incorporating spatial constraint in co-activation pattern analysis to explore the dynamics of resting-state networks: An application to Parkinson's disease. Neurolmage, 2018, 172, 64-84.	2.1	27
1631	Predicting future learning from baseline network architecture. Neurolmage, 2018, 172, 107-117.	2.1	52
1632	Working Memory Enhances Cortical Representations via Spatially Specific Coordination of Spike Times. Neuron, 2018, 97, 967-979.e6.	3.8	35
1633	Applications of Community Detection Techniques to Brain Graphs: Algorithmic Considerations and Implications for Neural Function. Proceedings of the IEEE, 2018, 106, 846-867.	16.4	94
1634	Cognitive Behavior Classification From Scalp EEG Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 729-739.	2.7	33
1635	Detection of time-, frequency- and direction-resolved communication within brain networks. Scientific Reports, 2018, 8, 1825.	1.6	12
1636	Membrane potential synchrony of neurons in anterior cingulate cortex plays a pivotal role in generation of neuropathic pain. Scientific Reports, 2018, 8, 1691.	1.6	14
1637	Putting the "dynamic―back into dynamic functional connectivity. Network Neuroscience, 2018, 2, 150-174.	1.4	46

#	Article	IF	Citations
1638	Oscillatory dynamics in the dorsal and ventral attention networks during the reorienting of attention. Human Brain Mapping, 2018, 39, 2177-2190.	1.9	60
1639	The dynamics of human cognition: Increasing global integration coupled with decreasing segregation found using iEEG. Neurolmage, 2018, 172, 492-505.	2.1	16
1640	A disinhibitory circuit motif and flexible information routing in the brain. Current Opinion in Neurobiology, 2018, 49, 75-83.	2.0	71
1641	Bayesian Inference, Predictive Coding, and Computational Models of Psychosis., 2018, , 175-195.		4
1642	Comparison of three gamma oscillations in the mouse entorhinal–hippocampal system. European Journal of Neuroscience, 2018, 48, 2795-2806.	1.2	27
1643	Basal forebrain contributes to default mode network regulation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1352-1357.	3.3	59
1644	What does scalp electroencephalogram coherence tell us about longâ€range cortical networks?. European Journal of Neuroscience, 2018, 48, 2466-2481.	1.2	19
1645	Probabilistic thresholding of functional connectomes: Application to schizophrenia. NeuroImage, 2018, 172, 326-340.	2.1	46
1647	Oscillations Synchronize Amygdala-to-Prefrontal Primate Circuits during Aversive Learning. Neuron, 2018, 97, 291-298.e3.	3.8	87
1648	Temporal coupling of field potentials and action potentials in the neocortex. European Journal of Neuroscience, 2018, 48, 2482-2497.	1.2	102
1649	In Vivo Recordings of Network Activity Using Local Field Potentials and Single Units in Movement and Network Pathophysiology. Neuromethods, 2018, , 249-266.	0.2	0
1650	Controlling the Temporal Structure of Brain Oscillations by Focused Attention Meditation. Human Brain Mapping, 2018, 39, 1825-1838.	1.9	44
1651	Characterizing the effects of deep brain stimulation with magnetoencephalography: A review. Brain Stimulation, 2018, 11, 481-491.	0.7	31
1652	Stereotypical modulations in dynamic functional connectivity explained by changes in BOLD variance. NeuroImage, 2018, 171, 40-54.	2.1	14
1653	Can multilayer brain networks be a real step forward?. Physics of Life Reviews, 2018, 24, 153-155.	1.5	9
1654	Gamma Oscillatory Activity Related to Language Prediction. Journal of Cognitive Neuroscience, 2018, 30, 1075-1085.	1.1	22
1655	Methods for identification of spike patterns in massively parallel spike trains. Biological Cybernetics, 2018, 112, 57-80.	0.6	21
1656	The behavioral and neural binding phenomena during visuomotor integration of angry facial expressions. Scientific Reports, 2018, 8, 6887.	1.6	2

#	Article	IF	CITATIONS
1657	Combining NIBS with EEG: What Can It Tell Us About Normal Cognition?. Current Behavioral Neuroscience Reports, 2018, 5, 165-169.	0.6	5
1658	Morphological representations are extrapolated from morpho-syntactic rules. Neuropsychologia, 2018, 114, 77-87.	0.7	11
1659	Resting-state network connectivity and metastability predict clinical symptoms in schizophrenia. Schizophrenia Research, 2018, 201, 208-216.	1.1	51
1660	Endogenously generated gammaâ€band oscillations in early visual cortex: A neurofeedback study. Human Brain Mapping, 2018, 39, 3487-3502.	1.9	5
1661	Cueing listeners to attend to a target talker progressively improves word report as the duration of the cue-target interval lengthens to 2,000 ms. Attention, Perception, and Psychophysics, 2018, 80, 1520-1538.	0.7	10
1662	Information-theoretic decomposition of embodied and situated systems. Neural Networks, 2018, 103, 94-107.	3.3	3
1663	Behavioral Neuroscience of Learning and Memory. Current Topics in Behavioral Neurosciences, 2018, ,	0.8	9
1664	Cholinergic Modulation of Frontoparietal Cortical Network Dynamics Supporting Supramodal Attention. Journal of Neuroscience, 2018, 38, 3988-4005.	1.7	21
1665	Hippocampal Theta-Gamma Coupling Reflects State-Dependent Information Processing in Decision Making. Cell Reports, 2018, 22, 3328-3338.	2.9	47
1666	Brain oscillations reveal impaired novelty detection from early stages of Parkinson's disease. Neurolmage: Clinical, 2018, 18, 923-931.	1.4	28
1667	Acute cardiovascular exercise promotes functional changes in cortico-motor networks during the early stages of motor memory consolidation. NeuroImage, 2018, 174, 380-392.	2.1	65
1668	Robust EEG/MEG Based Functional Connectivity with the Envelope of the Imaginary Coherence: Sensor Space Analysis. Brain Topography, 2018, 31, 895-916.	0.8	23
1669	Transcranial Alternating Current Stimulation at Alpha Frequency Reduces Pain When the Intensity of Pain is Uncertain. Journal of Pain, 2018, 19, 807-818.	0.7	37
1670	<scp>A</scp> geâ€related changes in the ease of dynamical transitions in human brain activity. Human Brain Mapping, 2018, 39, 2673-2688.	1.9	39
1671	Modulation of the frontal-parietal network by low intensity anti-phase 20†Hz transcranial electrical stimulation boosts performance in the attentional blink task. International Journal of Psychophysiology, 2018, 127, 11-16.	0.5	11
1672	Beta Responses in Healthy Elderly and in Patients With Amnestic Mild Cognitive Impairment During a Task of Temporal Orientation of Attention. Clinical EEG and Neuroscience, 2018, 49, 258-271.	0.9	10
1673	Impact of alcohol use on EEG dynamics of response inhibition: a cotwin control analysis. Addiction Biology, 2018, 23, 256-267.	1.4	21
1674	Atypical interâ€hemispheric communication correlates with altered motor inhibition during learning of a new bimanual coordination pattern in developmental coordination disorder. Developmental Science, 2018, 21, e12563.	1.3	25

#	Article	IF	CITATIONS
1675	Comparison of hemispheric asymmetry measurements for emotional recordings from controls. Neural Computing and Applications, 2018, 30, 1341-1351.	3.2	23
1676	Social Synchrony on Complex Networks. IEEE Transactions on Cybernetics, 2018, 48, 1420-1431.	6.2	59
1677	Peak alpha frequency is a neural marker of cognitive function across the autism spectrum. European Journal of Neuroscience, 2018, 47, 643-651.	1.2	97
1678	Cortical dynamics of emotional autobiographical memory retrieval differ between women and men. Neuropsychologia, 2018, 110, 197-207.	0.7	10
1679	The many characters of visual alpha oscillations. European Journal of Neuroscience, 2018, 48, 2498-2508.	1.2	157
1680	Alterations in Mesoscopic Oscillations affecting Episodic Memory following Developmental Traumatic Brain Injury. Experimental Neurology, 2018, 300, 259-273.	2.0	2
1681	Gamma-Band Oscillations Preferential for Nociception can be Recorded in the Human Insula. Cerebral Cortex, 2018, 28, 3650-3664.	1.6	48
1682	Propofol-induced Changes in $\hat{l}\pm\hat{l}^2$ Sensorimotor Cortical Connectivity. Anesthesiology, 2018, 128, 305-316.	1.3	17
1683	Selection history: How reward modulates selectivity of visual attention. Psychonomic Bulletin and Review, 2018, 25, 514-538.	1.4	220
1684	Effective connectivity inferred from fMRI transition dynamics during movie viewing points to a balanced reconfiguration of cortical interactions. NeuroImage, 2018, 180, 534-546.	2.1	57
1685	Language Prediction Is Reflected by Coupling between Frontal Gamma and Posterior Alpha Oscillations. Journal of Cognitive Neuroscience, 2018, 30, 432-447.	1.1	71
1686	Hippocampal theta phase–contingent memory retrieval in delay and trace eyeblink conditioning. Behavioural Brain Research, 2018, 337, 264-270.	1.2	3
1687	Abnormal functional connectivity of high-frequency rhythms in drug-naÃ-ve schizophrenia. Clinical Neurophysiology, 2018, 129, 222-231.	0.7	24
1688	Spectral Diversity in Default Mode Network Connectivity Reflects Behavioral State. Journal of Cognitive Neuroscience, 2018, 30, 526-539.	1.1	24
1689	Brain reflections: A circuitâ€based framework for understanding information processing and cognitive control. Psychophysiology, 2018, 55, e13038.	1.2	50
1690	Communication dynamics in complex brain networks. Nature Reviews Neuroscience, 2018, 19, 17-33.	4.9	593
1691	Neuronal oscillations: unavoidable and useful?. European Journal of Neuroscience, 2018, 48, 2389-2398.	1.2	98
1692	U-shaped Relation between Prestimulus Alpha-band and Poststimulus Gamma-band Power in Temporal Tactile Perception in the Human Somatosensory Cortex. Journal of Cognitive Neuroscience, 2018, 30, 552-564.	1.1	7

#	Article	IF	CITATIONS
1693	Cross-frequency Phase–Amplitude Coupling as a Mechanism for Temporal Orienting of Attention in Childhood. Journal of Cognitive Neuroscience, 2018, 30, 594-602.	1.1	25
1694	Non-invasive laminar inference with MEG: Comparison of methods and source inversion algorithms. Neurolmage, 2018, 167, 372-383.	2.1	47
1695	EEG microstates as a tool for studying the temporal dynamics of whole-brain neuronal networks: A review. NeuroImage, 2018, 180, 577-593.	2.1	671
1696	Chronic deep brain stimulation normalizes scalp EEG activity in isolated dystonia. Clinical Neurophysiology, 2018, 129, 368-376.	0.7	22
1698	The madness of crowds phenomenon in the collective decision-making by the cells, the cell's metacognition and cancer. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1408-1418.	1.2	1
1699	High frequency neurons determine effective connectivity in neuronal networks. Neurolmage, 2018, 166, 349-359.	2.1	29
1700	Medial frontal cortex response to unexpected motivationally salient outcomes. International Journal of Psychophysiology, 2018, 132, 268-276.	0.5	26
1701	The Role of the Pulvinar in Spatial Visual Attention. Advances in Anatomy, Embryology and Cell Biology, 2018, 225, 57-60.	1.0	6
1702	Principles of dynamic network reconfiguration across diverse brain states. NeuroImage, 2018, 180, 396-405.	2.1	181
1703	A future for neuronal oscillation research. Brain and Neuroscience Advances, 2018, 2, 239821281879482.	1.8	14
1704	Neural activity related to volitional regulation of cortical excitability. ELife, 2018, 7, .	2.8	31
1705	Perceptual Oscillation of Audiovisual Time Simultaneity. ENeuro, 2018, 5, ENEURO.0047-18.2018.	0.9	25
1706	Partial Phase Cohesiveness in Networks of Communitinized Kuramoto Oscillators., 2018,,.		9
1707	On the Most Informative Slice of Bicoherence That Characterizes Resting State Brain Connectivity. , 2018, , .		O
1708	Modeling Oscillatory Phase and Phase Synchronization With Neuronal Excitation and Input Strength in Cortical Network. IEEE Access, 2018, 6, 36441-36458.	2.6	2
1709	Stability of Remote Synchronization in Star Networks of Kuramoto Oscillators. , 2018, , .		8
1710	Selective Recruitment in Hierarchical Complex Dynamical Networks with Linear-Threshold Rate Dynamics. , 2018, , .		1
1711	Graph-Based Models of Cortical Axons for the Prediction of Neuronal Response to Extracellular Electrical Stimulation. , 2018, 2018, 1380-1383.		3

#	Article	IF	CITATIONS
1712	Multisensory perception reflects individual differences in processing temporal correlations. Scientific Reports, 2018, 8, 14483.	1.6	13
1713	Extracellular Recordings in Subcortical Limbic Structures InÂVivo. Handbook of Behavioral Neuroscience, 2018, 28, 153-168.	0.7	0
1714	Detection of Activation Sequences in Spiking-Bursting Neurons by means of the Recognition of Intraburst Neural Signatures. Scientific Reports, 2018, 8, 16726.	1.6	1
1715	Synchrony surfacing: Epicortical recording of correlated action potentials. European Journal of Neuroscience, 2018, 48, 3583-3596.	1.2	16
1716	Global firing rate contrast enhancement in E/I neuronal networks by recurrent synchronized inhibition. Chaos, 2018, 28, 106324.	1.0	15
1717	Electrophysiology as a theoretical and methodological hub for the neural sciences. Psychophysiology, 2019, 56, e13314.	1.2	18
1718	Acute Low Alcohol Disrupts Hippocampus-Striatum Neural Correlate of Learning Strategy by Inhibition of PKA/CREB Pathway in Rats. Frontiers in Pharmacology, 2018, 9, 1439.	1.6	24
1719	Neural gain control measured through cortical gamma oscillations is associated with sensory sensitivity. Human Brain Mapping, 2019, 40, 1583-1593.	1.9	19
1720	Adolescent development of cortical oscillations: Power, phase, and support of cognitive maturation. PLoS Biology, 2018, 16, e2004188.	2.6	25
1721	Estimating Criticality of Resting-State Phase Synchronization Network Based on EEG Source Signals. Lecture Notes in Computer Science, 2018, , 349-357.	1.0	0
1722	Increased Functional Connectivity During Emotional Face Processing in Children With Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2018, 12, 408.	1.0	27
1723	Alpha keeps it together: Alpha oscillatory synchrony underlies working memory maintenance in young children. Developmental Cognitive Neuroscience, 2018, 34, 114-123.	1.9	35
1724	Ready for change: Oscillatory mechanisms of proactive motor control. PLoS ONE, 2018, 13, e0196855.	1.1	29
1725	Gamma Synchronization between V1 and V4 Improves Behavioral Performance. Neuron, 2018, 100, 953-963.e3.	3.8	81
1726	Phase Synchronicity of \hat{l}_4 -Rhythm Determines Efficacy of Interhemispheric Communication Between Human Motor Cortices. Journal of Neuroscience, 2018, 38, 10525-10534.	1.7	49
1727	Metastable States of Multiscale Brain Networks Are Keys to Crack the Timing Problem. Frontiers in Computational Neuroscience, 2018, 12, 75.	1.2	7
1728	Investigation of the changes in oscillatory power during task switching after mild traumatic brain injury. European Journal of Neuroscience, 2018, 48, 3498-3513.	1.2	4
1730	Multisensory integration in rodent tactile but not visual thalamus. Scientific Reports, 2018, 8, 15684.	1.6	24

#	Article	IF	Citations
1731	Large-Scale Cortical Networks for Hierarchical Prediction and Prediction Error in the Primate Brain. Neuron, 2018, 100, 1252-1266.e3.	3.8	156
1732	Analysis of Functional Connectivity and Oscillatory Power Using DICS: From Raw MEG Data to Group-Level Statistics in Python. Frontiers in Neuroscience, 2018, 12, 586.	1.4	21
1734	The effects of periodic interruptions on cortical entrainment to speech. Neuropsychologia, 2018, 121, 58-68.	0.7	4
1735	Synaptic Plasticity and Synchrony in the Anterior Cingulate Cortex Circuitry: A Neural Network Approach to Causality of Chronic Visceral Pain and Associated Cognitive Deficits. Advances in Neurobiology, 2018, 21, 219-245.	1.3	9
1736	Neural Representation of Motor Output, Context and Behavioral Adaptation in Rat Medial Prefrontal Cortex During Learned Behavior. Frontiers in Neural Circuits, 2018, 12, 75.	1.4	9
1737	EEG coherence in a mental arithmetic task performance in first episode schizophrenia and schizoaffective disorder. Clinical Neurophysiology, 2018, 129, 2315-2324.	0.7	9
1738	Inferring single-trial neural population dynamics using sequential auto-encoders. Nature Methods, 2018, 15, 805-815.	9.0	388
1739	Large-scale functional networks connect differently for processing words and symbol strings. PLoS ONE, 2018, 13, e0196773.	1.1	9
1740	Attention Configures Synchronization Within Local Neuronal Networks for Processing of the Behaviorally Relevant Stimulus. Frontiers in Neural Circuits, 2018, 12, 71.	1.4	17
1741	Self-similarity and multifractality in human brain activity: A wavelet-based analysis of scale-free brain dynamics. Journal of Neuroscience Methods, 2018, 309, 175-187.	1.3	33
1742	Characteristic Fluctuations Around Stable Attractor Dynamics Extracted from Highly Nonstationary Electroencephalographic Recordings. Brain Connectivity, 2018, 8, 457-474.	0.8	11
1743	Adolescence as a neurobiological critical period for the development of higher-order cognition. Neuroscience and Biobehavioral Reviews, 2018, 94, 179-195.	2.9	374
1744	EEG Multiscale Complexity in Schizophrenia During Picture Naming. Frontiers in Physiology, 2018, 9, 1213.	1.3	44
1745	Phonological working memory in developmental stuttering: Potential insights from the neurobiology of language and cognition. Journal of Fluency Disorders, 2018, 58, 94-117.	0.7	17
1746	Totally Implantable Bidirectional Neural Prostheses: A Flexible Platform for Innovation in Neuromodulation. Frontiers in Neuroscience, 2018, 12, 619.	1.4	27
1747	Alterations of Coherent Theta and Gamma Network Oscillations as an Early Biomarker of Temporal Lobe Epilepsy and Alzheimer's Disease. Frontiers in Integrative Neuroscience, 2018, 12, 36.	1.0	57
1748	Phase-coding memories in mind. PLoS Biology, 2018, 16, e3000012.	2.6	8
1749	Correlation of Synaptic Inputs in the Visual Cortex of Awake, Behaving Mice. Neuron, 2018, 99, 1289-1301.e2.	3.8	28

#	Article	IF	CITATIONS
1750	Dorsal and ventral cortices are coupled by cross-frequency interactions during working memory. NeuroImage, 2018, 178, 277-286.	2.1	27
1751	Top–Down Control of Alpha Phase Adjustment in Anticipation of Temporally Predictable Visual Stimuli. Journal of Cognitive Neuroscience, 2018, 30, 1157-1169.	1.1	22
1752	Parietofrontal network upregulation after motor stroke. NeuroImage: Clinical, 2018, 18, 720-729.	1.4	36
1753	Extracting orthogonal subject- and condition-specific signatures from fMRI data using whole-brain effective connectivity. Neurolmage, 2018, 178, 238-254.	2.1	41
1754	Attending to What and Where: Background Connectivity Integrates Categorical and Spatial Attention. Journal of Cognitive Neuroscience, 2018, 30, 1281-1297.	1.1	24
1755	Gating by induced Î'–Γ asynchrony in selective attention. Human Brain Mapping, 2018, 39, 3854-3870.	1.9	25
1757	The modulation of neural gain facilitates a transition between functional segregation and integration in the brain. ELife, $2018, 7, \ldots$	2.8	128
1758	Advances in functional magnetic resonance imaging data analysis methods using Empirical Mode Decomposition to investigate temporal changes in early Parkinson's disease. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2018, 4, 372-386.	1.8	30
1759	Task-induced gamma band effect in type II focal cortical dysplasia: An exploratory study. Epilepsy and Behavior, 2018, 85, 76-84.	0.9	3
1760	Resting-state connectivity after visuo-motor skill learning is inversely associated with offline consolidation in Parkinson's disease and healthy controls. Cortex, 2018, 106, 237-247.	1.1	7
1761	Acute and chronic escitalopram alter EEG gamma oscillations differently: relevance to therapeutic effects. European Journal of Pharmaceutical Sciences, 2018, 121, 347-355.	1.9	12
1762	Investigating large-scale brain dynamics using field potential recordings: analysis and interpretation. Nature Neuroscience, 2018, 21, 903-919.	7.1	299
1763	Mapping the topological organisation of beta oscillations in motor cortex using MEG. NeuroImage, 2018, 181, 831-844.	2.1	27
1764	Mu-oscillation changes related to the development of anticipatory postural control in children and adolescents. Journal of Neurophysiology, 2018, 120, 129-138.	0.9	3
1765	An Appraisal-Driven Componential Approach to the Emotional Brain. Emotion Review, 2018, 10, 219-231.	2.1	68
1766	Dynamic communication of attention signals between the LGN and V1. Journal of Neurophysiology, 2018, 120, 1625-1639.	0.9	17
1767	Utilizing time-frequency amplitude and phase synchrony measure to assess feedback processing in a gambling task. International Journal of Psychophysiology, 2018, 132, 203-212.	0.5	12
1768	Phase-amplitude coupling within the anterior thalamic nuclei during seizures. Journal of Neurophysiology, 2018, 119, 1497-1505.	0.9	9

#	Article	IF	CITATIONS
1769	Executive Function Deficits in Seriously Ill Childrenâ€"Emerging Challenges and Possibilities for Clinical Care. Frontiers in Pediatrics, 2018, 6, 92.	0.9	1
1770	Sensory-motor synchronization in the brain corresponds to behavioral synchronization between individuals. Neuropsychologia, 2018, 119, 59-67.	0.7	22
1771	Primary sensorimotor cortex exhibits complex dependencies of spike-field coherence on neuronal firing rates, field power, and behavior. Journal of Neurophysiology, 2018, 120, 226-238.	0.9	8
1772	Movement-Modulation of Local Power and Phase Amplitude Coupling in Bilateral Globus Pallidus Interna in Parkinson Disease. Frontiers in Human Neuroscience, 2018, 12, 270.	1.0	21
1773	Multiplexed oscillations and phase rate coding in the basal forebrain. Science Advances, 2018, 4, eaar3230.	4.7	28
1774	Beyond Rehabilitation of Acuity, Ocular Alignment, and Binocularity in Infantile Strabismus. Frontiers in Systems Neuroscience, 2018, 12, 29.	1.2	9
1775	Neuronal Assemblies Evidence Distributed Interactions within a Tactile Discrimination Task in Rats. Frontiers in Neural Circuits, 2017 , 11 , 114 .	1.4	9
1776	Classification-Based Prediction of Effective Connectivity Between Timeseries With a Realistic Cortical Network Model. Frontiers in Computational Neuroscience, 2018, 12, 38.	1.2	0
1777	Default Mode Network Oscillatory Coupling Is Increased Following Concussion. Frontiers in Neurology, 2018, 9, 280.	1.1	26
1778	Moving Beyond ERP Components: A Selective Review of Approaches to Integrate EEG and Behavior. Frontiers in Human Neuroscience, 2018, 12, 106.	1.0	61
1779	Long-Range Temporal Correlations in Alpha Oscillations Stabilize Perception of Ambiguous Visual Stimuli. Frontiers in Human Neuroscience, 2018, 12, 159.	1.0	6
1780	Non-invasive Brain Stimulation: A Paradigm Shift in Understanding Brain Oscillations. Frontiers in Human Neuroscience, 2018, 12, 211.	1.0	149
1781	Post-traumatic stress disorder and chronic hyperconnectivity in emotional processing. NeuroImage: Clinical, 2018, 20, 197-204.	1.4	14
1782	Mutual Information and Information Gating in Synfire Chains. Entropy, 2018, 20, 102.	1.1	10
1783	Interactions between frontal and posterior oscillatory dynamics support adjustment of stimulus processing during reinforcement learning. NeuroImage, 2018, 181, 170-181.	2.1	12
1784	Microsaccade-rhythmic modulation of neural synchronization and coding within and across cortical areas V1 and V2. PLoS Biology, 2018, 16, e2004132.	2.6	18
1785	Aging-associated changes of movement-related functional connectivity in the human brain. Neuropsychologia, 2018, 117, 520-529.	0.7	16
1786	Sustainable method for Alzheimer dementia prediction in mild cognitive impairment: Electroencephalographic connectivity and graph theory combined with apolipoprotein E. Annals of Neurology, 2018, 84, 302-314.	2.8	65

#	Article	IF	CITATIONS
1787	Network Approaches to Understand Individual Differences in Brain Connectivity: Opportunities for Personality Neuroscience. Personality Neuroscience, 2018, 1 , .	1.3	38
1788	Oscillatory Activity and Cross-Frequency Interactions in the Hippocampus and Connected Brain Structures during Sensory Information Processing. Neuroscience and Behavioral Physiology, 2018, 48, 758-763.	0.2	0
1789	Maturational trajectories of local and longâ€range functional connectivity in autism during face processing. Human Brain Mapping, 2018, 39, 4094-4104.	1.9	38
1790	Phase-lags in large scale brain synchronization: Methodological considerations and in-silico analysis. PLoS Computational Biology, 2018, 14, e1006160.	1.5	62
1791	Phase matters: A role for the subthalamic network during gait. PLoS ONE, 2018, 13, e0198691.	1.1	38
1792	Delta activity encodes taste information in the human brain. Neurolmage, 2018, 181, 471-479.	2.1	20
1793	Computational Models., 2018,, 105-131.		2
1794	Brain electroencephalographic segregation as a biomarker of learning. Neural Networks, 2018, 106, 168-174.	3.3	33
1795	Neural dynamics of breaking continuous flash suppression. Neurolmage, 2018, 176, 277-289.	2.1	10
1796	Top-down beta oscillatory signaling conveys behavioral context in early visual cortex. Scientific Reports, 2018, 8, 6991.	1.6	47
1797	Resting-state connectivity predicts visuo-motor skill learning. NeuroImage, 2018, 176, 446-453.	2.1	39
1798	Modulating functional connectivity after stroke with neurofeedback: Effect on motor deficits in a controlled cross-over study. NeuroImage: Clinical, 2018, 20, 336-346.	1.4	48
1799	Cognitive computational neuroscience. Nature Neuroscience, 2018, 21, 1148-1160.	7.1	266
1800	Spiking patterns of a neuron model to stimulus: Rich dynamics and oxygen's role. Chaos, 2018, 28, 083112.	1.0	9
1801	Analyzing the competition of gamma rhythms with delayed pulse-coupled oscillators in phase representation. Physical Review E, 2018, 98, 022217.	0.8	7
1802	Rhythm and Synchrony in a Cortical Network Model. Journal of Neuroscience, 2018, 38, 8621-8634.	1.7	50
1803	A Neural-Astrocytic Network Architecture. , 2018, , .		6
1804	Propagation of beta/gamma rhythms in the cortico-basal ganglia circuits of the parkinsonian rat. Journal of Neurophysiology, 2018, 119, 1608-1628.	0.9	62

#	Article	IF	CITATIONS
1805	Lingering expectations: A pseudo-repetition effect for words previously expected but not presented. Neurolmage, 2018, 183, 263-272.	2.1	30
1806	Activations of deep convolutional neural networks are aligned with gamma band activity of human visual cortex. Communications Biology, 2018, 1, 107.	2.0	65
1807	Theta and Alpha Oscillations Are Traveling Waves in the Human Neocortex. Neuron, 2018, 98, 1269-1281.e4.	3.8	238
1808	Using noninvasive methods to drive brain–computer interface (BCI): the role of electroencephalography and functional near-infrared spectroscopy in BCI. , 2018, , 33-63.		2
1809	Cannabis users exhibit increased cortical activation during resting state compared to non-users. Neurolmage, 2018, 179, 176-186.	2.1	25
1810	Spatial Wavelet-Based Coherence and Coupling in EEG Signals With Eye Open and Closed During Resting State. IEEE Access, 2018, 6, 37003-37022.	2.6	12
1811	Cortical Tracking of Global and Local Variations of Speech Rhythm during Connected Natural Speech Perception. Journal of Cognitive Neuroscience, 2018, 30, 1704-1719.	1.1	24
1812	Alpha and Beta Oscillations Index Semantic Congruency between Speech and Gestures in Clear and Degraded Speech. Journal of Cognitive Neuroscience, 2018, 30, 1086-1097.	1.1	22
1813	Oscillatory Encoding of Visual Stimulus Familiarity. Journal of Neuroscience, 2018, 38, 6223-6240.	1.7	31
1814	Source-reconstruction of the sensorimotor network from resting-state macaque electrocorticography. Neurolmage, 2018, 181, 347-358.	2.1	9
1815	Gap junction plasticity as a mechanism to regulate network-wide oscillations. PLoS Computational Biology, 2018, 14, e1006025.	1.5	50
1816	Subthalamic theta activity: a novel human subcortical biomarker for obsessive compulsive disorder. Translational Psychiatry, 2018, 8, 118.	2.4	59
1817	Relationships Between Neuronal Oscillatory Amplitude and Dynamic Functional Connectivity. Cerebral Cortex, 2019, 29, 2668-2681.	1.6	85
1818	Data-Driven Clustering Reveals a Link Between Symptoms and Functional Brain Connectivity in Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 16-26.	1.1	35
1819	Theta Oscillations Index Frontal Decision-Making and Mediate Reciprocal Frontal–Parietal Interactions in Willed Attention. Cerebral Cortex, 2019, 29, 2832-2843.	1.6	51
1820	Transmission time delays organize the brain network synchronization. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180132.	1.6	76
1821	Dynamic modulation of theta–gamma coupling during rapid eye movement sleep. Sleep, 2019, 42, .	0.6	39
1822	Effects of beta-tACS on corticospinal excitability: A meta-analysis. Brain Stimulation, 2019, 12, 1381-1389.	0.7	44

#	Article	IF	CITATIONS
1823	Neural dynamics of spreading attentional labels in mental contour tracing. Neural Networks, 2019, 119, 113-138.	3.3	5
1824	The rough sound of salience enhances aversion through neural synchronisation. Nature Communications, 2019, 10, 3671.	5.8	51
1825	Infraslow State Fluctuations Govern Spontaneous fMRI Network Dynamics. Current Biology, 2019, 29, 2295-2306.e5.	1.8	107
1826	Neuropsychological, electrophysiological, and neuroimaging biomarkers for REM behavior disorder. Expert Review of Neurotherapeutics, 2019, 19, 1069-1087.	1.4	30
1827	Canonical maximization of coherence: A novel tool for investigation of neuronal interactions between two datasets. NeuroImage, 2019, 201, 116009.	2.1	14
1828	Altered Prefrontal Theta and Gamma Activity during an Emotional Face Processing Task in Parkinson Disease. Journal of Cognitive Neuroscience, 2019, 31, 1768-1776.	1.1	7
1829	Bifurcation structure determines different phase-amplitude coupling patterns in the activity of biologically plausible neural networks. Neurolmage, 2019, 202, 116031.	2.1	23
1830	The Functional Role of Critical Dynamics in Neural Systems. Springer Series on Bio- and Neurosystems, 2019, , .	0.2	8
1831	A case study in the functional consequences of scaling the sizes of realistic cortical models. PLoS Computational Biology, 2019, 15, e1007198.	1.5	4
1832	Interpersonal and intrapersonal entrainment of self-paced tapping rate. PLoS ONE, 2019, 14, e0220505.	1.1	8
1833	Directed Flow of Information in Chimera States. Frontiers in Applied Mathematics and Statistics, 2019, 5, .	0.7	13
1834	Cognitive neurophysiology: Event-related potentials. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 160, 543-558.	1.0	70
1835	Cerebral cortical networking for mental workload assessment under various demands during dual-task walking. Experimental Brain Research, 2019, 237, 2279-2295.	0.7	20
1836	Deep brain stimulation for Parkinson's disease modulates high-frequency evoked and spontaneous neural activity. Neurobiology of Disease, 2019, 130, 104522.	2.1	48
1837	Neurodynamics of time consciousness: An extensionalist explanation of apparent motion and the specious present via reentrant oscillatory multiplexing. Consciousness and Cognition, 2019, 73, 102751.	0.8	9
1838	Cerebro-Cerebellar Connections. , 2019, , 1-26.		3
1840	Bayesian Filtering with Multiple Internal Models: Toward a Theory of Social Intelligence. Neural Computation, 2019, 31, 2390-2431.	1.3	25
1842	Generating Brain Waves, the Power of Astrocytes. Frontiers in Neuroscience, 2019, 13, 1125.	1.4	64

#	Article	IF	CITATIONS
1843	Phase-amplitude coupling between mu- and gamma-waves to carry motor commands. , 2019, , .		14
1844	Integrated open-source software for multiscale electrophysiology. Scientific Data, 2019, 6, 231.	2.4	18
1846	A Naturalistic Approach to the Hard Problem of Consciousness. Frontiers in Systems Neuroscience, 2019, 13, 58.	1.2	52
1847	Unidirectional Synchronization of Hodgkin-Huxley Neurons With Prescribed Performance Under Transcranial Magneto-Acoustical Simulation. Frontiers in Neuroscience, 2019, 13, 1061.	1.4	8
1848	Transcranial alternating current stimulation (tACS) at 40†Hz enhances face and object perception. Neuropsychologia, 2019, 135, 107237.	0.7	25
1849	Effects on the Motor Cortex in Gamma Rhythm in Terms of Central Pattern Generator. IEEE Access, 2019, 7, 136369-136377.	2.6	2
1850	The effects of distractor set-size on neural tracking of attended speech. Brain and Language, 2019, 190, 1-9.	0.8	9
1851	Consistency and dynamical changes of directional information flow in different brain states: A comparison of working memory and resting-state using EEG. Neurolmage, 2019, 203, 116188.	2.1	16
1852	High-definition tDCS to the right temporoparietal junction modulates slow-wave resting state power and coherence in healthy adults. Journal of Neurophysiology, 2019, 122, 1735-1744.	0.9	14
1853	Chimera state in complex networks of bistable Hodgkin-Huxley neurons. Physical Review E, 2019, 100, 022224.	0.8	51
1854	Effects of synaptic and myelin plasticity on learning in a network of Kuramoto phase oscillators. Chaos, 2019, 29, 083122.	1.0	8
1855	Effects of low-gamma tACS on primary motor cortex in implicit motor learning. Behavioural Brain Research, 2019, 376, 112170.	1.2	28
1856	Calcium conductance-dependent network synchronization is differentially modulated by firing frequency. International Journal of Modern Physics B, 2019, 33, 1950160.	1.0	1
1857	Electroencephalographic Phase–Amplitude Coupling in Simulated Driving With Varying Modality-Specific Attentional Demand. IEEE Transactions on Human-Machine Systems, 2019, 49, 589-598.	2.5	5
1858	The Functional Role of Thalamocortical Coupling in the Human Motor Network. Journal of Neuroscience, 2019, 39, 8124-8134.	1.7	28
1859	Large-Scale Communication in the Human Brain Is Rhythmically Modulated through Alpha Coherence. Current Biology, 2019, 29, 2801-2811.e5.	1.8	76
1860	MVPA Analysis of Intertrial Phase Coherence of Neuromagnetic Responses to Words Reliably Classifies Multiple Levels of Language Processing in the Brain. ENeuro, 2019, 6, ENEURO.0444-18.2019.	0.9	9
1861	Complex Oscillatory Waves Emerging from Cortical Organoids Model Early Human Brain Network Development. Cell Stem Cell, 2019, 25, 558-569.e7.	5.2	520

#	Article	IF	CITATIONS
1862	Rostral locus coeruleus integrity is associated with better memory performance in older adults. Nature Human Behaviour, 2019, 3, 1203-1214.	6.2	129
1863	Time-Frequency Based Phase-Amplitude Coupling Measure For Neuronal Oscillations. Scientific Reports, 2019, 9, 12441.	1.6	55
1864	Interictal epileptiform discharges shape large-scale intercortical communication. Brain, 2019, 142, 3502-3513.	3.7	59
1865	Brain oscillations in cognitive control: A cross-sectional study with a spatial stroop task. Neuropsychologia, 2019, 133, 107190.	0.7	34
1866	Dynamic regulation of interregional cortical communication by slow brain oscillations during working memory. Nature Communications, 2019, 10, 4242.	5.8	61
1867	Exploring the Phase-Locking Mechanisms Yielding Delayed and Anticipated Synchronization in Neuronal Circuits. Frontiers in Systems Neuroscience, 2019, 13, 41.	1.2	11
1868	Individualized pattern recognition for detecting mind wandering from EEG during live lectures. PLoS ONE, 2019, 14, e0222276.	1.1	22
1869	Neurophenomenology of near-death experience memory in hypnotic recall: a within-subject EEG study. Scientific Reports, 2019, 9, 14047.	1.6	16
1870	Reframing PTSD for computational psychiatry with the active inference framework. Cognitive Neuropsychiatry, 2019, 24, 347-368.	0.7	27
1871	Brain Functional Connectivity Through Phase Coupling of Neuronal Oscillations: A Perspective From Magnetoencephalography. Frontiers in Neuroscience, 2019, 13, 964.	1.4	55
1872	Search asymmetry in a serial auditory task: Neural source analyses of EEG implicate attention strategies. Neuropsychologia, 2019, 134, 107204.	0.7	6
1873	Human motor cortical beta bursts relate to movement planning and response errors. PLoS Biology, 2019, 17, e3000479.	2.6	134
1874	Frequency-tagged visual evoked responses track syllable effects in visual word recognition. Cortex, 2019, 121, 60-77.	1.1	5
1875	Cognitive neurophysiology of the prefrontal cortex. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 35-59.	1.0	16
1876	Control networks of the frontal lobes. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 333-347.	1.0	20
1877	Functionally Distinct Gamma Range Activity Revealed by Stimulus Tuning in Human Visual Cortex. Current Biology, 2019, 29, 3345-3358.e7.	1.8	68
1878	Analyzing Emotional Oscillatory Brain Network for Valence and Arousal-Based Emotion Recognition Using EEG Data. International Journal of Information Technology and Decision Making, 2019, 18, 1359-1378.	2.3	8
1879	A New Unifying Account of the Roles of Neuronal Entrainment. Current Biology, 2019, 29, R890-R905.	1.8	257

#	ARTICLE	IF	CITATIONS
1880	The inner fluctuations of the brain in presymptomatic Frontotemporal Dementia: The chronnectome fingerprint. NeuroImage, 2019, 189, 645-654.	2.1	33
1881	Physics of decision processes. European Physical Journal Plus, 2019, 134, 1.	1.2	0
1882	Recent Developments in MEG Network Analysis. , 2019, , 1-15.		0
1883	Mixed Spatial and Movement Representations in the Primate Posterior Parietal Cortex. Frontiers in Neural Circuits, 2019, 13, 15.	1.4	31
1884	Dynamic Computation in Visual Thalamocortical Networks. Entropy, 2019, 21, 500.	1.1	9
1885	Structural, geometric and genetic factors predict interregional brain connectivity patterns probed by electrocorticography. Nature Biomedical Engineering, 2019, 3, 902-916.	11.6	94
1886	Emergent modular neural control drives coordinated motor actions. Nature Neuroscience, 2019, 22, 1122-1131.	7.1	80
1887	Electrophysiological monitoring of inhibition in mammalian species, from rodents to humans. Neurobiology of Disease, 2019, 130, 104500.	2.1	16
1888	What's in Your Gamma? Activation of the Ventral Fronto-Parietal Attentional Network in Response to Distracting Sounds. Cerebral Cortex, 2020, 30, 696-707.	1.6	14
1889	Human Brain Oscillations: From Physiological Mechanisms to Analysis and Cognition. , 2019, , 1-46.		4
1890	Human visual cortical gamma reflects natural image structure. NeuroImage, 2019, 200, 635-643.	2.1	21
1891	EEG Decoding Reveals the Strength and Temporal Dynamics of Goal-Relevant Representations. Scientific Reports, 2019, 9, 9051.	1.6	34
1892	White matter plasticity and maturation in human cognition. Glia, 2019, 67, 2020-2037.	2.5	31
1893	Statistical Significance Assessment of Phase Synchrony in the Presence of Background Couplings: An ECoG Study. Brain Topography, 2019, 32, 882-896.	0.8	8
1894	Propofol-induced loss of consciousness is associated with a decrease in thalamocortical connectivity in humans. Brain, 2019, 142, 2288-2302.	3.7	46
1895	Reconsidering Spatial Priors In EEG Source Estimation : Does White Matter Contribute to EEG Rhythms?., 2019,,.		O
1896	Tracking Transient Changes in the Neural Frequency Architecture: Harmonic Relationships between Theta and Alpha Peaks Facilitate Cognitive Performance. Journal of Neuroscience, 2019, 39, 6291-6298.	1.7	30
1897	Application of MEG in Understanding the Development of Executive and Social Cognitive Functions. , 2019, , 1-30.		O

#	Article	IF	CITATIONS
1898	Routing information flow by separate neural synchrony frequencies allows for $\hat{a} \in \mathbb{Z}$ functionally labeled lines $\hat{a} \in \mathbb{Z}$ in higher primate cortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12506-12515.	3.3	29
1899	Disrupted network connectivity in pediatric brain tumor survivors is a signature of injury. Journal of Comparative Neurology, 2019, 527, 2896-2909.	0.9	9
1900	Slow-gamma frequencies are optimally guarded against effects of neurodegenerative diseases and traumatic brain injuries. Journal of Computational Neuroscience, 2019, 47, 1-16.	0.6	4
1901	Macroscopic phase resetting-curves determine oscillatory coherence and signal transfer in inter-coupled neural circuits. PLoS Computational Biology, 2019, 15, e1007019.	1.5	51
1902	Neuronal Correlates of Tactile Working Memory in Prefrontal and Vibrissal Somatosensory Cortex. Cell Reports, 2019, 27, 3167-3181.e5.	2.9	29
1903	Phase lag entropy as a hypnotic depth indicator during propofol sedation. Anaesthesia, 2019, 74, 1033-1040.	1.8	14
1904	Spatial neuronal synchronization and the waveform of oscillations: Implications for EEG and MEG. PLoS Computational Biology, 2019, 15, e1007055.	1.5	49
1905	Oscillatory Properties of Functional Connections Between Sensory Areas Mediate Cross-Modal Illusory Perception. Journal of Neuroscience, 2019, 39, 5711-5718.	1.7	47
1906	ACC Theta Improves Hippocampal Contextual Processing during Remote Recall. Cell Reports, 2019, 27, 2313-2327.e4.	2.9	25
1907	Context-specific modulation of intrinsic coupling modes shapes multisensory processing. Science Advances, 2019, 5, eaar7633.	4.7	11
1908	Electrophysiological Brain Connectivity: Theory and Implementation. IEEE Transactions on Biomedical Engineering, 2019, 66, 2115-2137.	2.5	163
1909	A review of neurobiological factors underlying the selective enhancement of memory at encoding, consolidation, and retrieval. Progress in Neurobiology, 2019, 179, 101615.	2.8	22
1910	High-order coordination of cortical spiking activity modulates perceptual accuracy. Nature Neuroscience, 2019, 22, 1148-1158.	7.1	39
1911	The what, where and how of delay activity. Nature Reviews Neuroscience, 2019, 20, 466-481.	4.9	122
1912	Functional Connectome from Phase Synchrony at Resting State is a Neural Fingerprint. Brain Connectivity, 2019, 9, 519-528.	0.8	12
1913	Intrinsic 40Hz-phase asymmetries predict tACS effects during conscious auditory perception. PLoS ONE, 2019, 14, e0213996.	1.1	17
1914	Visual cortex neurons phase-lock selectively to subsets of LFP oscillations. Journal of Neurophysiology, 2019, 121, 2364-2378.	0.9	3
1915	Hippocampal–prefrontal coherence mediates working memory and selective attention at distinct frequency bands and provides a causal link between schizophrenia and its risk gene GRIA1. Translational Psychiatry, 2019, 9, 142.	2.4	51

#	Article	IF	Citations
1916	Selected Topics Relating to Functional MRI Study of the Brain. Keio Journal of Medicine, 2019, 68, 73-86.	0.5	4
1917	Modulation of large-scale cortical coupling by transcranial alternating current stimulation. Brain Stimulation, 2019, 12, 1187-1196.	0.7	40
1918	Functional brain connectivity in a rodent seizure model of autistic-like behavior. Epilepsy and Behavior, 2019, 95, 87-94.	0.9	10
1919	Cerebro-Cerebellar Connections. , 2019, , 1-26.		0
1920	A Time-frequency Based Multivariate Phase-amplitude Coupling Measure. , 2019, , .		3
1921	Thalamic Inputs to Posterior Parietal Cortical Areas Involved in Skilled Forelimb Movement and Tool Use in the Capuchin Monkey. Cerebral Cortex, 2019, 29, 5098-5115.	1.6	7
1922	The Neural Dynamics of Novel Scene Imagery. Journal of Neuroscience, 2019, 39, 4375-4386.	1.7	74
1923	Frequency and power of human alpha oscillations drift systematically with time-on-task. NeuroImage, 2019, 192, 101-114.	2.1	106
1925	On the interrelation of $1/\langle i \rangle f \langle j \rangle$ neural noise and norepinephrine system activity during motor response inhibition. Journal of Neurophysiology, 2019, 121, 1633-1643.	0.9	30
1926	Dissecting the Neural Focus of Attention Reveals Distinct Processes for Spatial Attention and Object-Based Storage in Visual Working Memory. Psychological Science, 2019, 30, 526-540.	1.8	82
1927	Hormonal regulation of circuit function: sex, systems and depression. Biology of Sex Differences, 2019, 10, 12.	1.8	29
1928	Altered slow (<1ÂHz) and fast (beta and gamma) neocortical oscillations in the 3xTg-AD mouse model of Alzheimer's disease under anesthesia. Neurobiology of Aging, 2019, 79, 142-151.	1.5	23
1929	Frequency-specific coupling in fronto-parieto-occipital cortical circuits underlie active tactile discrimination. Scientific Reports, 2019, 9, 5105.	1.6	7
1930	The physics of brain network structure, function and control. Nature Reviews Physics, 2019, 1, 318-332.	11.9	233
1931	The effect of retardation in the random networks of excitable nodes, embeddable in the Euclidean space. Physica Scripta, 2019, 94, 055208.	1.2	3
1932	Cross-Frequency Coupling Based Neuromodulation for Treating Neurological Disorders. Frontiers in Neuroscience, 2019, 13, 125.	1.4	60
1933	Emergence of cognitive priming and structure building from the hierarchical interaction of canonical microcircuit models. Biological Cybernetics, 2019, 113, 273-291.	0.6	4
1934	Perceptual inference employs intrinsic alpha frequency to resolve perceptual ambiguity. PLoS Biology, 2019, 17, e3000025.	2.6	20

#	Article	IF	CITATIONS
1935	Thalamocortical dynamics underlying spontaneous transitions in beta power in Parkinsonism. Neurolmage, 2019, 193, 103-114.	2.1	21
1936	Human olfactory-auditory integration requires phase synchrony between sensory cortices. Nature Communications, 2019, 10, 1168.	5.8	34
1937	Causally Investigating Cortical Dynamics and Signal Processing by Targeting Natural System Attractors With Precisely Timed (Electrical) Stimulation. Frontiers in Computational Neuroscience, 2019, 13, 7.	1,2	1
1938	Pallidal thermolesion unleashes gamma oscillations in the motor cortex in Parkinson's disease. Movement Disorders, 2019, 34, 903-911.	2.2	13
1939	On synchronization in heterogeneous FitzHugh–Nagumo networks. Chaos, Solitons and Fractals, 2019, 121, 85-91.	2.5	26
1940	Long-range functional coupling predicts performance: Oscillatory EEG networks in multisensory processing. Neurolmage, 2019, 196, 114-125.	2.1	23
1941	Multiplexing of Theta and Alpha Rhythms in the Amygdala-Hippocampal Circuit Supports Pattern Separation of Emotional Information. Neuron, 2019, 102, 887-898.e5.	3.8	77
1942	Investigating A Hypothesis on The Mechanism of Long-Term Memory Storage. NeuroQuantology, 2019, 17, .	0.1	4
1943	Thalamocortical dysrhythmia in intraoperative recordings of focal epilepsy. Journal of Neurophysiology, 2019, 121, 2020-2027.	0.9	12
1944	Brain networks and their relevance for stroke rehabilitation. Clinical Neurophysiology, 2019, 130, 1098-1124.	0.7	129
1945	Implementation and Long-Term Evaluation of a Hearing Aid Supported Tinnitus Treatment Using Notched Environmental Sounds. IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1-9.	2.2	19
1946	A Novel Framework for Estimating Time-Varying Multivariate Autoregressive Models and Application to Cardiovascular Responses to Acute Exercise. IEEE Transactions on Biomedical Engineering, 2019, 66, 3257-3266.	2.5	13
1947	Dopamine Modulation of Prefrontal Cortex Activity Is Manifold and Operates at Multiple Temporal and Spatial Scales. Cell Reports, 2019, 27, 99-114.e6.	2.9	65
1948	Disrupted emotional neural circuitry in adolescents with borderline personality traits. Neuroscience Letters, 2019, 701, 112-118.	1.0	7
1949	Large time behaviour and synchronization of complex networks of reaction–diffusion systems of FitzHugh–Nagumo type. IMA Journal of Applied Mathematics, 2019, 84, 416-443.	0.8	16
1950	Impaired cognitive flexibility following NMDAR-GluN2B deletion is associated with altered orbitofrontal-striatal function. Neuroscience, 2019, 404, 338-352.	1.1	26
1951	Understanding Sensory Information Processing Through Simultaneous Multi-area Population Recordings. Frontiers in Neural Circuits, 2018, 12, 115.	1.4	9
1952	Disruption of Frontal Lobe Neural Synchrony During Cognitive Control by Alcohol Intoxication. Journal of Visualized Experiments, 2019, , .	0.2	13

#	Article	IF	Citations
1953	Multimodal Integration and Phenomenal Spatiotemporal Binding: A Perspective From the Default Space Theory. Frontiers in Integrative Neuroscience, 2019, 13, 2.	1.0	9
1954	Steady state visual evoked potentials in reading aloud: Effects of lexicality, frequency and orthographic familiarity. Brain and Language, 2019, 192, 1-14.	0.8	11
1955	Theta-Band Functional Connectivity and Single-Trial Cognitive Control in Sports-Related Concussion: Demonstration of Proof-of-Concept for a Potential Biomarker of Concussion. Journal of the International Neuropsychological Society, 2019, 25, 314-323.	1.2	4
1956	Distinct online and offline effects of alpha and beta transcranial alternating current stimulation (tACS) on continuous bimanual performance and task-set switching. Scientific Reports, 2019, 9, 3144.	1.6	30
1957	Desynchronizing to be faster? Perceptual- and attentional-modulation of brain rhythms at the sub-millisecond scale. NeuroImage, 2019, 191, 225-233.	2.1	9
1958	On the Hierarchical Organization of Oscillatory Assemblies: Layered Superimposition and a Global Bioelectric Framework. Frontiers in Human Neuroscience, 2019, 13, 426.	1.0	10
1959	Gradients of structure–function tethering across neocortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21219-21227.	3.3	345
1960	The Easy Part of the Hard Problem: A Resonance Theory of Consciousness. Frontiers in Human Neuroscience, 2019, 13, 378.	1.0	37
1961	Overall Population Generalities, Sex Differences, and Individual Differences in Sleep Electroencephalography Functional Connectivity. IEEE Access, 2019, 7, 160901-160915.	2.6	15
1962	COALIA: A Computational Model of Human EEG for Consciousness Research. Frontiers in Systems Neuroscience, 2019, 13, 59.	1.2	40
1963	Application of Biomedical Engineering in Neuroscience., 2019,,.		1
1964	Comparison of Wavelet and RID-Rihaczek Based Methods for Phase-Amplitude Coupling. IEEE Signal Processing Letters, 2019, 26, 1897-1901.	2.1	7
1965	Desynchronization control of FitzHugh-Nagumo networks with random topology. IFAC-PapersOnLine, 2019, 52, 640-645.	0.5	4
1966	Determinants of Brain Rhythm Burst Statistics. Scientific Reports, 2019, 9, 18335.	1.6	25
1967	Atypical frontal midline theta activity during cognitive control in heroin addicts. NeuroReport, 2019, 30, 852-855.	0.6	1
1968	Visual sensitivity and bias oscillate phase-locked to saccadic eye movements. Journal of Vision, 2019, 19, 15.	0.1	16
1969	Coherent resonance in the distributed cortical network during sensory information processing. Scientific Reports, 2019, 9, 18325.	1.6	52
1970	Delta oscillations phase limit neural activity during sevoflurane anesthesia. Communications Biology, 2019, 2, 415.	2.0	35

#	Article	IF	Citations
1971	Learning to synchronize: How biological agents can couple neural task modules for dealing with the stability-plasticity dilemma. PLoS Computational Biology, 2019, 15, e1006604.	1.5	38
1972	Inferring correlations associated to causal interactions in brain signals using autoregressive models. Scientific Reports, 2019, 9, 17041.	1.6	2
1973	Behavioral and Neural Changes Induced by a Blended Essential Oil on Human Selective Attention. Behavioural Neurology, 2019, 2019, 1-8.	1.1	4
1974	An Integrative Model of Effortful Control. Frontiers in Systems Neuroscience, 2019, 13, 79.	1.2	36
1975	Synchronization of Independent Neural Ensembles in Human EEG during Choice Tasks. Behavioral Sciences (Basel, Switzerland), 2019, 9, 132.	1.0	1
1976	Probing neural networks for dynamic switches of communication pathways. PLoS Computational Biology, 2019, 15, e1007551.	1.5	7
1977	The Role of Parvalbumin-positive Interneurons in Auditory Steady-State Response Deficits in Schizophrenia. Scientific Reports, 2019, 9, 18525.	1.6	18
1978	Disrupted resting-state brain functional network in methamphetamine abusers: A brain source space study by EEG. PLoS ONE, 2019, 14, e0226249.	1.1	21
1979	Theta Modulated Neural Phase Coherence Facilitates Speech Fluency in Adults Who Stutter. Frontiers in Human Neuroscience, 2019, 13, 394.	1.0	5
1980	Similarities and Differences between Verbal and Visual Metaphor Processing: an EEG Study. Multimodal Communication, 2019, 8, .	0.2	5
1981	Attenuated Post-Movement Beta Rebound Associated With Schizotypal Features in Healthy People. Schizophrenia Bulletin, 2019, 45, 883-891.	2.3	19
1982	Local Field Potentials Reflect Dopaminergic and Non-Dopaminergic Activities within the Primate Midbrain. Neuroscience, 2019, 399, 167-183.	1.1	5
1983	Changes in functional connectivity dynamics with aging: A dynamical phase synchronization approach. Neurolmage, 2019, 188, 357-368.	2.1	51
1984	Functionally distinct language and Theory of Mind networks are synchronized at rest and during language comprehension. Journal of Neurophysiology, 2019, 121, 1244-1265.	0.9	7 3
1985	Power and phase coherence in sensorimotor mu and temporal lobe alpha components during covert and overt syllable production. Experimental Brain Research, 2019, 237, 705-721.	0.7	14
1986	Neurofeedback: Principles, appraisal, and outstanding issues. European Journal of Neuroscience, 2019, 49, 1454-1469.	1.2	25
1987	Hippocampal network oscillations at the interplay between innate anxiety and learned fear. Psychopharmacology, 2019, 236, 321-338.	1.5	52
1988	How the brain makes sense beyond the processing of single words – An MEG study. NeuroImage, 2019, 186, 586-594.	2.1	36

#	Article	IF	CITATIONS
1989	EEG data collection in children with ASD: The role of state in data quality and spectral power. Research in Autism Spectrum Disorders, 2019, 57, 132-144.	0.8	27
1990	Differences in theta coherence between spatial and nonspatial attention using intracranial electroencephalographic signals in humans. Human Brain Mapping, 2019, 40, 2336-2346.	1.9	5
1991	The neuroscience of meditation: classification, phenomenology, correlates, and mechanisms. Progress in Brain Research, 2019, 244, 1-29.	0.9	63
1992	Functional Connectivity in Term Neonates With Hypoxic-Ischemic Encephalopathy Undergoing Therapeutic Hypothermia. Pediatric Neurology, 2019, 94, 74-79.	1.0	6
1993	Spatial and spectral trajectories in typical neurodevelopment from childhood to middle age. Network Neuroscience, 2019, 3, 497-520.	1.4	27
1994	Alpha and alpha-beta phase synchronization mediate the recruitment of the visuospatial attention network through the Superior Longitudinal Fasciculus. NeuroImage, 2019, 188, 722-732.	2.1	37
1995	Synchronization and extinction in a high-infectivity spatial SIRS with long-range links. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 013203.	0.9	1
1996	Modulating functional connectivity with non-invasive brain stimulation for the investigation and alleviation of age-associated declines in response inhibition: A narrative review. NeuroImage, 2019, 185, 490-512.	2.1	21
1997	Effects of longer vs. shorter timed movement sequences on alpha motor inhibition when combining contractions and relaxations. Experimental Brain Research, 2019, 237, 101-109.	0.7	1
1998	Establishing the flow of information between two bio-inspired spiking neural networks. Information Sciences, 2019, 477, 80-99.	4.0	9
1999	Parametric effects of transcranial alternating current stimulation on multitasking performance. Brain Stimulation, 2019, 12, 73-83.	0.7	24
2000	Neural Dynamics of Reward-Induced Response Activation and Inhibition. Cerebral Cortex, 2019, 29, 3961-3976.	1.6	14
2001	Frequencyâ€Dependent EEG Corresponding to EMG under Voluntary Movement. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 501-502.	0.8	2
2002	Effect of prenatal stress on neural oscillations in developing hippocampal formation. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 89, 456-464.	2.5	8
2003	Characterizing hippocampal dynamics with MEG: A systematic review and evidenceâ€based guidelines. Human Brain Mapping, 2019, 40, 1353-1375.	1.9	45
2004	Attention or salience?. Current Opinion in Psychology, 2019, 29, 1-5.	2.5	93
2005	Oscillatory dynamics of cortical functional connections in semantic prediction. Human Brain Mapping, 2019, 40, 1856-1866.	1.9	18
2006	Phase shifts in high-beta- and low-gamma-band local field potentials predict the focus of visual spatial attention. Journal of Neurophysiology, 2019, 121, 799-822.	0.9	4

#	ARTICLE	IF	Citations
2007	Portraits of communication in neuronal networks. Nature Reviews Neuroscience, 2019, 20, 117-127.	4.9	126
2008	Neural Oscillation Dynamics of Emerging Interest in Neuroergonomics. , 2019, , 87-91.		11
2009	EEG-triggered TMS reveals stronger brain state-dependent modulation of motor evoked potentials at weaker stimulation intensities. Brain Stimulation, 2019, 12, 110-118.	0.7	93
2010	Neural correlates of time distortion in a preaction period. Human Brain Mapping, 2019, 40, 804-817.	1.9	7
2011	A neural mechanism of direct and observational conditioning for placebo and nocebo responses. Neurolmage, 2019, 184, 954-963.	2.1	27
2012	Functional and Neuroanatomical Bases of Developmental Stuttering: Current Insights. Neuroscientist, 2019, 25, 566-582.	2.6	62
2013	Cortical layers, rhythms and BOLD signals. NeuroImage, 2019, 197, 689-698.	2.1	74
2014	Hippocampal coupling with cortical and subcortical structures in the context of memory consolidation. Neurobiology of Learning and Memory, 2019, 160, 21-31.	1.0	61
2015	Delta Rhythm Orchestrates the Neural Activity Underlying the Resting State BOLD Signal via Phase–amplitude Coupling. Cerebral Cortex, 2019, 29, 119-133.	1.6	28
2016	Sharp-wave ripples as a signature of hippocampal-prefrontal reactivation for memory during sleep and waking states. Neurobiology of Learning and Memory, 2019, 160, 11-20.	1.0	43
2017	Dynamic causal modelling revisited. Neurolmage, 2019, 199, 730-744.	2.1	196
2018	Neural Synchrony and the Causal Efficacy of Consciousness. Topoi, 2020, 39, 1057-1072.	0.8	2
2019	Alpha oscillations reveal implicit visual processing of motion in hemianopia. Cortex, 2020, 122, 81-96.	1.1	12
2020	Probing the Link Between Perception and Oscillations: Lessons from Transcranial Alternating Current Stimulation. Neuroscientist, 2020, 26, 57-73.	2.6	37
2021	Representation of shape, space, and attention in monkey cortex. Cortex, 2020, 122, 40-60.	1.1	7
2022	Brain State-dependent Gain Modulation of Corticospinal Output in the Active Motor System. Cerebral Cortex, 2020, 30, 371-381.	1.6	22
2023	Effects of Neuromodulation on Excitatory–Inhibitory Neural Network Dynamics Depend on Network Connectivity Structure. Journal of Nonlinear Science, 2020, 30, 2171-2194.	1.0	13
2024	Phase-locked states in oscillating neural networks and their role in neural communication. Communications in Nonlinear Science and Numerical Simulation, 2020, 80, 104992.	1.7	16

#	Article	IF	Citations
2025	Disrupted Visual Cortex Neurophysiology Following Very Preterm Birth. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 951-960.	1.1	4
2026	Emotional face processing in autism spectrum disorder: Effects in gamma connectivity. Biological Psychology, 2020, 149, 107774.	1.1	13
2027	Resonance transmission of multiple independent signals in cortical networks. Neurocomputing, 2020, 377, 130-144.	3.5	6
2028	Transcranial direct current stimulation: a roadmap for research, from mechanism of action to clinical implementation. Molecular Psychiatry, 2020, 25, 397-407.	4.1	134
2029	Individual Alpha Frequency Predicts Perceived Visuotactile Simultaneity. Journal of Cognitive Neuroscience, 2020, 32, 1-11.	1.1	24
2030	Task-Modulated Corticocortical Synchrony in the Cognitive-Motor Network Supporting Handwriting. Cerebral Cortex, 2020, 30, 1871-1886.	1.6	6
2031	Midfrontal theta phase coordinates behaviorally relevant brain computations during cognitive control. Neurolmage, 2020, 207, 116340.	2.1	62
2032	Bilateral Gamma/Delta Transcranial Alternating Current Stimulation Affects Interhemispheric Speech Sound Integration. Journal of Cognitive Neuroscience, 2020, 32, 1242-1250.	1.1	9
2033	Localization of movable electrodes in a multi-electrode microdrive in nonhuman primates. Journal of Neuroscience Methods, 2020, 330, 108505.	1.3	8
2034	Speechâ€nâ€noise understanding in older age: The role of inhibitory cortical responses. European Journal of Neuroscience, 2020, 51, 891-908.	1.2	13
2035	Adolescents Exhibit Late Maturation of Longâ€Range Beta Coherences in Affective Processing. Journal of Research on Adolescence, 2020, 30, 334-344.	1.9	2
2036	Spiking time-dependent plasticity leads to efficient coding of predictions. Biological Cybernetics, 2020, 114, 43-61.	0.6	6
2037	Cerebral Cortical Activity Following Non-invasive Cerebellar Stimulation—a Systematic Review of Combined TMS and EEG Studies. Cerebellum, 2020, 19, 309-335.	1.4	29
2038	Frontal Beta Transcranial Alternating Current Stimulation Improves Reversal Learning. Cerebral Cortex, 2020, 30, 3286-3295.	1.6	20
2039	Decoding of single-trial EEG reveals unique states of functional brain connectivity that drive rapid speech categorization decisions. Journal of Neural Engineering, 2020, 17, 016045.	1.8	20
2040	Channel noise effects on neural synchronization. Physica A: Statistical Mechanics and Its Applications, 2020, 552, 123186.	1.2	7
2041	Adaptive spike-artifact removal from local field potentials uncovers prominent beta and gamma band neuronal synchronization. Journal of Neuroscience Methods, 2020, 330, 108485.	1.3	21
2042	Interhemispheric auditory connectivity requires normal access to sound in both ears during development. Neurolmage, 2020, 208, 116455.	2.1	13

#	ARTICLE	IF	CITATIONS
2043	Pain-Evoked Reorganization in Functional Brain Networks. Cerebral Cortex, 2020, 30, 2804-2822.	1.6	37
2044	Bayesian inference of a directional brain network model for intracranial EEG data. Computational Statistics and Data Analysis, 2020, 144, 106847.	0.7	1
2045	Next-generation neural mass and field modeling. Journal of Neurophysiology, 2020, 123, 726-742.	0.9	49
2046	The neural circuitry supporting successful spatial navigation despite variable movement speeds. Neuroscience and Biobehavioral Reviews, 2020, 108, 821-833.	2.9	5
2047	Functional coupling of brain networks during creative idea generation and elaboration in the figural domain. Neurolmage, 2020, 207, 116395.	2.1	27
2048	Perspectives: Hemianopiaâ€"Toward Novel Treatment Options Based on Oscillatory Activity?. Neurorehabilitation and Neural Repair, 2020, 34, 13-25.	1.4	4
2049	Model-based whole-brain effective connectivity to study distributed cognition in health and disease. Network Neuroscience, 2020, 4, 338-373.	1.4	40
2050	Midfrontal-occipital î,-tACS modulates cognitive conflicts related to bodily stimuli. Social Cognitive and Affective Neuroscience, 2022, 17, 91-100.	1,5	13
2051	Depth and phase of respiration modulate cortico-muscular communication. NeuroImage, 2020, 222, 117272.	2.1	29
2052	Neurofeedback of scalp bi-hemispheric EEG sensorimotor rhythm guides hemispheric activation of sensorimotor cortex in the targeted hemisphere. NeuroImage, 2020, 223, 117298.	2.1	14
2053	Communication Through Coherence by Means of Cross-frequency Coupling. Neuroscience, 2020, 449, 157-164.	1.1	21
2054	Synchrony and Complexity in State-Related EEG Networks: An Application of Spectral Graph Theory. Neural Computation, 2020, 32, 2422-2454.	1.3	12
2055	Inferring neural information flow from spiking data. Computational and Structural Biotechnology Journal, 2020, 18, 2699-2708.	1.9	5
2056	Task-evoked activity quenches neural correlations and variability across cortical areas. PLoS Computational Biology, 2020, 16, e1007983.	1.5	62
2057	The Endocannabinoid System Activation as a Neural Network Desynchronizing Mediator for Seizure Suppression. Frontiers in Behavioral Neuroscience, 2020, 14, 603245.	1.0	11
2058	The indispensable role of the cerebellum in visual divergent thinking. Scientific Reports, 2020, 10, 16552.	1.6	12
2059	Functional neural network configuration in late childhood varies by age and cognitive state. Developmental Cognitive Neuroscience, 2020, 45, 100862.	1.9	14
2060	Global brain network dynamics predict therapeutic responsiveness to cannabidiol treatment for refractory epilepsy. Brain Communications, 2020, 2, fcaa140.	1.5	9

#	Article	IF	CITATIONS
2061	Correlated activity favors synergistic processing in local cortical networks in vitro at synaptically relevant timescales. Network Neuroscience, 2020, 4, 678-697.	1.4	12
2062	Predicting dysfunctional age-related task activations from resting-state network alterations. Neurolmage, 2020, 221, 117167.	2.1	32
2063	Entrainment in Human Auditory Cortex: Mechanism and Functions., 2020,, 63-76.		4
2064	Brain Network Oscillations During Gait in Parkinson's Disease. Frontiers in Human Neuroscience, 2020, 14, 568703.	1.0	16
2065	The Effects of Theta EEG Neurofeedback on the Consolidation of Spatial Memory. Clinical EEG and Neuroscience, 2021, 52, 338-344.	0.9	4
2066	Case Report of Dual-Site Neurostimulation and Chronic Recording of Cortico-Striatal Circuitry in a Patient With Treatment Refractory Obsessive Compulsive Disorder. Frontiers in Human Neuroscience, 2020, 14, 569973.	1.0	26
2067	Mathematical Relations Between Measures of Brain Connectivity Estimated From Electrophysiological Recordings for Gaussian Distributed Data. Frontiers in Neuroscience, 2020, 14, 577574.	1.4	14
2068	Core and matrix thalamic sub-populations relate to spatio-temporal cortical connectivity gradients. Neurolmage, 2020, 222, 117224.	2.1	58
2069	Firing patterns of the CA1 pyramidal neuron with geometric singular perturbation: a model study. International Journal of Modern Physics B, 2020, 34, 2050316.	1.0	1
2070	Parameterizing neural power spectra into periodic and aperiodic components. Nature Neuroscience, 2020, 23, 1655-1665.	7.1	877
2071	Synchrony, flexible network configuration, and linking neural events to behavior. Current Opinion in Physiology, 2020, 16, 98-108.	0.9	6
2072	Ultra-sparse Connectivity within the Lateral Hypothalamus. Current Biology, 2020, 30, 4063-4070.e2.	1.8	22
2073	Visual Stimulus Content in V4 Is Conveyed by Gamma-Rhythmic Information Packages. Journal of Neuroscience, 2020, 40, 9650-9662.	1.7	4
2074	Schizotypy dimensions are associated with altered resting state alpha connectivity. International Journal of Psychophysiology, 2020, 155, 175-183.	0.5	7
2075	Facilitating the propagation of spiking activity in feedforward networks by including feedback. PLoS Computational Biology, 2020, 16, e1008033.	1.5	18
2076	Changes in Spectral Power and Functional Connectivity of Response-Conflict Task After Neurofeedback Training. IEEE Access, 2020, 8, 139444-139459.	2.6	9
2077	Admittance Method for Estimating Local Field Potentials Generated in a Multi-Scale Neuron Model of the Hippocampus. Frontiers in Computational Neuroscience, 2020, 14, 72.	1,2	10
2078	Sub-chronic vortioxetine (but not escitalopram) normalizes brain rhythm alterations and memory deficits induced by serotonin depletion in rats. Neuropharmacology, 2020, 178, 108238.	2.0	8

#	ARTICLE	IF	CITATIONS
2079	Optogenetic "lowâ€ŧheta―pacing of the septohippocampal circuit is sufficient for spatial goal finding and is influenced by behavioral state and cognitive demand. Hippocampus, 2020, 30, 1167-1193.	0.9	20
2080	Resting state activity and connectivity of the nucleus basalis of Meynert and globus pallidus in Lewy body dementia and Parkinson's disease dementia. Neurolmage, 2020, 221, 117184.	2.1	15
2081	Models of communication and control for brain networks: distinctions, convergence, and future outlook. Network Neuroscience, 2020, 4, 1122-1159.	1.4	46
2082	Local and large-scale beta oscillatory dysfunction in males with mild traumatic brain injury. Journal of Neurophysiology, 2020, 124, 1948-1958.	0.9	20
2083	Language prediction mechanisms in human auditory cortex. Nature Communications, 2020, 11, 5240.	5.8	55
2084	Spontaneous Activity of Neuronal Ensembles in Mouse Motor Cortex: Changes after GABAergic Blockade. Neuroscience, 2020, 446, 304-322.	1.1	4
2085	Evoked potentials reveal neural circuits engaged by human deep brain stimulation. Brain Stimulation, 2020, 13, 1706-1718.	0.7	39
2086	Frequency-dependent organization of the brain's functional network through delayed-interactions. Neural Networks, 2020, 132, 155-165.	3.3	16
2087	Gait-related frequency modulation of beta oscillatory activity in the subthalamic nucleus of parkinsonian patients. Brain Stimulation, 2020, 13, 1743-1752.	0.7	42
2088	Analogue pattern recognition with stochastic switching binary CMOS-integrated memristive devices. Scientific Reports, 2020, 10, 14450.	1.6	23
2089	Anticipated synchronization in human EEG data: Unidirectional causality with negative phase lag. Physical Review E, 2020, 102, 032216.	0.8	9
2090	Consciousness as an Emergent Phenomenon: A Tale of Different Levels of Description. Entropy, 2020, 22, 921.	1.1	6
2091	Using multiple short epochs optimises the stability of infant EEG connectivity parameters. Scientific Reports, 2020, 10, 12703.	1.6	25
2092	Review of Artificial Intelligence Applications and Algorithms for Brain Organoid Research. Interdisciplinary Sciences, Computational Life Sciences, 2020, 12, 383-394.	2.2	9
2093	EEG state-trajectory instability and speed reveal global rules of intrinsic spatiotemporal neural dynamics. PLoS ONE, 2020, 15, e0235744.	1.1	7
2094	Parvalbumin and Somatostatin Interneurons Contribute to the Generation of Hippocampal Gamma Oscillations. Journal of Neuroscience, 2020, 40, 7668-7687.	1.7	80
2095	Adaptive modulation of brain hemodynamics across stereotyped running episodes. Nature Communications, 2020, 11, 6193.	5.8	23
2096	Prediction of Cognitive Task Activations via Resting-State Functional Connectivity Networks: An EEG Study. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 181-188.	2.6	1

#	Article	IF	CITATIONS
2097	Modeling and analyzing neural signals with phase variability using Fisher-Rao registration. Journal of Neuroscience Methods, 2020, 346, 108954.	1.3	6
2098	Benchmarking metrics for inferring functional connectivity from multi-channel EEG and MEG: A simulation study. Chaos, 2020, 30, 123124.	1.0	7
2099	Connectivity between nidopallium caudolateral and visual pathways in color perception of zebra finches. Scientific Reports, 2020, 10, 19382.	1.6	3
2100	Cortical beta oscillations reflect the contextual gating of visual action feedback. NeuroImage, 2020, 222, 117267.	2.1	20
2101	The Functions of the Hippocampal \hat{l}_s Rhythm. Neuroscience and Behavioral Physiology, 2020, 50, 1176-1184.	0.2	0
2102	Alpha connectivity and inhibitory control in adults with autism spectrum disorder. Molecular Autism, 2020, 11, 95.	2.6	10
2103	New perspectives on the neurobiology of PTSD: High-resolution imaging of neural circuit (dys)function with magnetoencephalography. Journal of Military, Veteran and Family Health, 2020, 6, 16-25.	0.3	7
2104	Altered neural oscillations and connectivity in the beta band underlie detail-oriented visual processing in autism. NeuroImage: Clinical, 2020, 28, 102484.	1.4	15
2105	Network-level mechanisms underlying effects of transcranial direct current stimulation (tDCS) on visuomotor learning. Neurolmage, 2020, 223, 117311.	2.1	14
2106	Low-Frequency Oscillations Are a Biomarker of Injury and Recovery After Stroke. Stroke, 2020, 51, 1442-1450.	1.0	73
2107	Mapping language networks and their association with verbal abilities in paediatric epilepsy using MEG and graph analysis. NeuroImage: Clinical, 2020, 27, 102265.	1.4	4
2108	Neurophysiological Hallmarks of Neurodegenerative Cognitive Decline: The Study of Brain Connectivity as A Biomarker of Early Dementia. Journal of Personalized Medicine, 2020, 10, 34.	1.1	26
2109	Common and distinct lateralised patterns of neural coupling during focused attention, open monitoring and loving kindness meditation. Scientific Reports, 2020, 10, 7430.	1.6	11
2110	Spectral-power associations reflect amplitude modulation and within-frequency interactions on the sub-second timescale and cross-frequency interactions on the seconds timescale. PLoS ONE, 2020, 15, e0228365.	1.1	9
2111	Precision Timing with α–β Oscillatory Coupling: Stopwatch or Motor Control?. Journal of Cognitive Neuroscience, 2020, 32, 1624-1636.	1.1	8
2112	Integrating TMS, EEG, and MRI as an Approach for Studying Brain Connectivity. Neuroscientist, 2020, 26, 471-486.	2.6	24
2113	Activity-dependent myelination: A glial mechanism of oscillatory self-organization in large-scale brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13227-13237.	3.3	79
2114	Simultaneous cortical and subcortical recordings in humans with movement disorders: Acute and chronic paradigms. Neurolmage, 2020, 217, 116904.	2.1	10

#	Article	IF	CITATIONS
2115	Changes of EEG phase synchronization and EOG signals along the use of steady state visually evoked potential-based brain computer interface. Journal of Neural Engineering, 2020, 17, 045006.	1.8	8
2116	Early-stage dysfunction of hippocampal theta and gamma oscillations and its modulation of neural network in a transgenic 5xFAD mouse model. Neurobiology of Aging, 2020, 94, 121-129.	1.5	22
2117	Noradrenergic Responsiveness Supports Selective Attention across the Adult Lifespan. Journal of Neuroscience, 2020, 40, 4372-4390.	1.7	47
2118	EEG sourceâ€space synchrostate transitions and Markov modeling in the mathâ€gifted brain during a longâ€chain reasoning task. Human Brain Mapping, 2020, 41, 3620-3636.	1.9	8
2119	Lifespan associated global patterns of coherent neural communication. NeuroImage, 2020, 216, 116824.	2.1	27
2120	Neuronal Oscillations of Wakefulness and Sleep. , 2020, , .		1
2121	EEG dynamical network analysis method reveals the neural signature of visual-motor coordination. PLoS ONE, 2020, 15, e0231767.	1.1	7
2122	Decoding the circuitry of consciousness: From local microcircuits to brain-scale networks. Network Neuroscience, 2020, 4, 315-337.	1.4	18
2123	Astrocyte-induced intermittent synchronization of neurons in a minimal network. Chaos, Solitons and Fractals, 2020, 138, 109951.	2.5	29
2124	Temporal learning of bottom-up connections via spatially nonspecific top-down inputs. Neurocomputing, 2020, 411, 128-138.	3.5	0
2125	A model of listening engagement (MoLE). Hearing Research, 2020, 397, 108016.	0.9	50
2126	Microelectrode recordings in human epilepsy: a case for clinical translation. Brain Communications, 2020, 2, fcaa082.	1.5	33
2127	Alpha-tACS effect on inhibitory control and feasibility of administration in community outpatient substance use treatment. Drug and Alcohol Dependence, 2020, 213, 108132.	1.6	14
2128	Phase-Coded Oscillatory Ordering Promotes the Separation of Closely Matched Representations to Optimize Perceptual Discrimination. IScience, 2020, 23, 101282.	1.9	12
2129	Synchronisation of Neural Oscillations and Cross-modal Influences. Trends in Cognitive Sciences, 2020, 24, 481-495.	4.0	59
2130	The effect of STN DBS on modulating brain oscillations: consequences for motor and cognitive behavior. Experimental Brain Research, 2020, 238, 1659-1676.	0.7	11
2131	Functional connectivity of EEG is subject-specific, associated with phenotype, and different from fMRI. Neurolmage, 2020, 218, 117001.	2.1	58
2132	Probing the circuits of conscious perception with magnetophosphenes. Journal of Neural Engineering, 2020, 17, 036034.	1.8	3

#	Article	IF	CITATIONS
2133	Role of synaptic nonlinearity in persistent firing rate shifts caused by external periodic forcing. Physical Review E, 2020, 101, 052408.	0.8	2
2134	Can We See with Melanopsin?. Annual Review of Vision Science, 2020, 6, 453-468.	2.3	37
2135	The role of intrinsic excitability in the evolution of memory: Significance in memory allocation, consolidation, and updating. Neurobiology of Learning and Memory, 2020, 173, 107266.	1.0	35
2136	Spike Phase Shift Relative to Beta Oscillations Mediates Modality Selection. Cerebral Cortex, 2020, 30, 5431-5448.	1.6	3
2137	Spectral fingerprints of correct vestibular discrimination of the intensity of body accelerations. NeuroImage, 2020, 219, 117015.	2.1	11
2138	Frontal-midline theta frequency and probabilistic learning: A transcranial alternating current stimulation study. Behavioural Brain Research, 2020, 393, 112733.	1.2	8
2139	Phase-specific manipulation of rhythmic brain activity by transcranial alternating current stimulation. Brain Stimulation, 2020, 13, 1254-1262.	0.7	36
2140	Sources of linear and non-linear synchrony between brain and muscles: Linear and non-linear CMC sources. , 2020, , .		0
2141	Attention strengthens across-trial pre-stimulus phase coherence in visual cortex, enhancing stimulus processing. Scientific Reports, 2020, 10, 4837.	1.6	23
2142	Probing dynamical cortical gating of attention with concurrent TMS-EEG. Scientific Reports, 2020, 10, 4959.	1.6	6
2143	ROOTS: An Algorithm to Generate Biologically Realistic Cortical Axons and an Application to Electroceutical Modeling. Frontiers in Computational Neuroscience, 2020, 14, 13.	1.2	5
2144	Neurophysiological signatures in Alzheimer's disease are distinctly associated with TAU, amyloid-β accumulation, and cognitive decline. Science Translational Medicine, 2020, 12, .	5.8	59
2145	Music Training, Working Memory, and Neural Oscillations: A Review. Frontiers in Psychology, 2020, 11, 266.	1.1	18
2146	Modeling the effects of sinusoidal stimulation and synaptic plasticity on linked neural oscillators. Chaos, 2020, 30, 033105.	1.0	7
2147	Mathematical mechanism of state-dependent phase resetting properties of alpha rhythm in the human brain. Neuroscience Research, 2020, 156, 237-244.	1.0	2
2148	Multivariate Pattern Analysis Techniques for Electroencephalography Data to Study Flanker Interference Effects. International Journal of Neural Systems, 2020, 30, 2050024.	3.2	10
2149	Sensory Neuromodulation. Frontiers in Systems Neuroscience, 2020, 14, 12.	1.2	14
2150	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. PLoS ONE, 2020, 15, e0229334.	1.1	20

#	Article	IF	CITATIONS
2151	Cross-Talk of Low-Level Sensory and High-Level Cognitive Processing: Development, Mechanisms, and Relevance for Cross-Modal Abilities of the Brain. Frontiers in Neurorobotics, 2020, 14, 7.	1.6	17
2152	Altered Functional Connectivity in the Motor and Prefrontal Cortex for Children With Down's Syndrome: An fNIRS Study. Frontiers in Human Neuroscience, 2020, 14, 6.	1.0	20
2153	Resonance and radical embodiment. SynthÈse, 2021, 199, 113-141.	0.6	21
2154	Multiplexing rhythmic information by spike timing dependent plasticity. PLoS Computational Biology, 2020, 16, e1008000.	1.5	8
2155	Closed-Loop Frontal Midlinel, Neurofeedback: A Novel Approach for Training Focused-Attention Meditation. Frontiers in Human Neuroscience, 2020, 14, 246.	1.0	23
2156	Female and male soccer players recruited different cognitive processes when generating creative soccer moves. Psychology of Sport and Exercise, 2020, 50, 101748.	1.1	7
2157	A Model of Memory Linking Time to Space. Frontiers in Computational Neuroscience, 2020, 14, 60.	1.2	0
2158	Flexible recruitment of memory-based choice representations by the human medial frontal cortex. Science, 2020, 368, .	6.0	82
2159	Patterns of Focal- and Large-Scale Synchronization in Cognitive Control and Inhibition: A Review. Frontiers in Human Neuroscience, 2020, 14, 196.	1.0	7
2160	Attention capture in birds performing an auditory streaming task. PLoS ONE, 2020, 15, e0235420.	1.1	4
2161	Functional Integration and Separation of Brain Network Based on Phase Locking Value During Emotion Processing. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 444-453.	2.6	24
2162	Intracranial-EEG evidence for medial temporal pole driving amygdala activity induced by multi-modal emotional stimuli. Cortex, 2020, 130, 32-48.	1.1	12
2163	Oscillatory Mechanisms of Successful Memory Formation in Younger and Older Adults Are Related to Structural Integrity. Cerebral Cortex, 2020, 30, 3744-3758.	1.6	17
2164	Vision modulation, plasticity and restoration using non-invasive brain stimulation – An IFCN-sponsored review. Clinical Neurophysiology, 2020, 131, 887-911.	0.7	48
2165	The role of transient spectral †bursts' in functional connectivity: A magnetoencephalography study. Neurolmage, 2020, 209, 116537.	2.1	60
2166	On the two-step estimation of the cross-power spectrum for dynamical linear inverse problems. Inverse Problems, 2020, 36, 045010.	1.0	8
2167	Specialized medial prefrontal–amygdala coordination in other-regarding decision preference. Nature Neuroscience, 2020, 23, 565-574.	7.1	75
2168	Exploring the temporal dynamics of speech production with EEG and group ICA. Scientific Reports, 2020, 10, 3667.	1.6	13

#	Article	IF	Citations
2169	Subthalamic nucleus activity dynamics and limb movement prediction in Parkinson's disease. Brain, 2020, 143, 582-596.	3.7	42
2170	Pulvino-cortical interaction: An integrative role in the control of attention. Neuroscience and Biobehavioral Reviews, 2020, 111, 104-113.	2.9	31
2171	Excitatory/Inhibitory Responses Shape Coherent Neuronal Dynamics Driven by Optogenetic Stimulation in the Primate Brain. Journal of Neuroscience, 2020, 40, 2056-2068.	1.7	12
2172	The Musical Structure of Time in the Brain: Repetition, Rhythm, and Harmony in fMRI During Rest and Passive Movie Viewing. Frontiers in Computational Neuroscience, 2019, 13, 98.	1.2	3
2173	Involvement of the Cortico-Basal Ganglia-Thalamocortical Loop in Developmental Stuttering. Frontiers in Psychology, 2019, 10, 3088.	1.1	79
2174	Modelling the effects of ongoing alpha activity on visual perception: The oscillation-based probability of response. Neuroscience and Biobehavioral Reviews, 2020, 112, 242-253.	2.9	15
2175	Enhanced dynamic functional connectivity (whole-brain chronnectome) in chess experts. Scientific Reports, 2020, 10, 7051.	1.6	10
2176	Expanding the role of education in frontotemporal dementia: a functional dynamic connectivity (the) Tj ETQq1	1 0.784314	l rgBT /Overl
2177	Timing of phaseâ€amplitude coupling is essential for neuronal and functional maturation of audiovisual integration in adolescents. Brain and Behavior, 2020, 10, e01635.	1.0	7
2178	Entrainment and synchronization of brain oscillations to auditory stimulations. Neuroscience Research, 2020, 156, 271-278.	1.0	16
2179	From thoughtless awareness to effortful cognition: alpha - theta cross-frequency dynamics in experienced meditators during meditation, rest and arithmetic. Scientific Reports, 2020, 10, 5419.	1.6	24
2180	A Group Analysis of Oscillatory Phase and Phase Synchronization in Cortical Networks. IEEE Access, 2020, 8, 59182-59199.	2.6	2
2181	Biophysically grounded mean-field models of neural populations under electrical stimulation. PLoS Computational Biology, 2020, 16, e1007822.	1.5	41
2182	Phase-based coordination of hippocampal and neocortical oscillations during human sleep. Communications Biology, 2020, 3, 176.	2.0	17
2183	The role of slow-wave sleep rhythms in the cortical-hippocampal loop for memory consolidation. Current Opinion in Behavioral Sciences, 2020, 32, 102-110.	2.0	14
2184	Glycogen synthase kinase-3: The missing link to aberrant circuit function in disorders of cognitive dysfunction?. Pharmacological Research, 2020, 157, 104819.	3.1	13
2185	Double Flash Illusions: Current Findings and Future Directions. Frontiers in Neuroscience, 2020, 14, 298.	1.4	41
2186	Early diagnosis of Alzheimer's disease: the role of biomarkers including advanced EEG signal analysis. Report from the IFCN-sponsored panel of experts. Clinical Neurophysiology, 2020, 131, 1287-1310.	0.7	123

#	Article	IF	Citations
2187	Discordant Alpha-Band Transcranial Alternating Current Stimulation Affects Cortico-Cortical and Cortico-Cerebellar Connectivity. Brain Connectivity, 2020, 10, 170-182.	0.8	4
2188	Gamma coherence mediates interhemispheric integration during multiple object tracking. Journal of Neurophysiology, 2020, 123, 1630-1644.	0.9	12
2189	Motor Cortex Inputs at the Optimum Phase of Beta Cortical Oscillations Undergo More Rapid and Less Variable Corticospinal Propagation. Journal of Neuroscience, 2020, 40, 369-381.	1.7	44
2190	Oscillations in the auditory system and their possible role. Neuroscience and Biobehavioral Reviews, 2020, 113, 507-528.	2.9	23
2191	Brain Networks of Emotional Prosody Processing. Emotion Review, 2021, 13, 34-43.	2.1	37
2192	The integration of social and neural synchrony: a case for ecologically valid research using MEG neuroimaging. Social Cognitive and Affective Neuroscience, 2021, 16, 143-152.	1.5	26
2193	Multivariate Neural Connectivity Patterns in Early Infancy Predict Later Autism Symptoms. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 59-69.	1.1	28
2194	Mediated Remote Synchronization of Kuramoto-Sakaguchi Oscillators: The Number of Mediators Matters., 2021, 5, 767-772.		12
2195	Effect of brain alpha oscillation on the performance in laparoscopicÂskills simulator training. Surgical Endoscopy and Other Interventional Techniques, 2021, 35, 584-592.	1.3	8
2196	Motion Coherence and Luminance Contrast Interact in Driving Visual Gamma-Band Activity. Cerebral Cortex, 2021, 31, 1622-1631.	1.6	2
2197	Prefrontal–amygdala circuits in social decision-making. Nature Neuroscience, 2021, 24, 5-18.	7.1	107
2198	Non-invasive brain stimulation for Parkinson's disease: Clinical evidence, latest concepts and future goals: A systematic review. Journal of Neuroscience Methods, 2021, 347, 108957.	1.3	37
2199	Dynamic Adjustments of Midfrontal Control Signals in Adults and Adolescents. Cerebral Cortex, 2021, 31, 795-808.	1.6	6
2200	A user-friendly algorithm for adaptive closed-loop phase-locked stimulation. Journal of Neuroscience Methods, 2021, 347, 108965.	1.3	5
2201	Non-rhythmic temporal prediction involves phase resets of low-frequency delta oscillations. Neurolmage, 2021, 224, 117376.	2.1	20
2202	Functional connectivity during language processing in 3â€monthâ€old infants at familial risk for autism spectrum disorder. European Journal of Neuroscience, 2021, 53, 1621-1637.	1.2	14
2203	Transcranial alternating current stimulation (tACS): from basic mechanisms towards first applications in psychiatry. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 135-156.	1.8	101
2204	Minds and Brains, Sleep and Psychiatry. Psychiatric Research and Clinical Practice, 2021, 3, 12-28.	1.3	13

#	Article	IF	CITATIONS
2205	Learning to Synchronize: Midfrontal Theta Dynamics during Rule Switching. Journal of Neuroscience, 2021, 41, 1516-1528.	1.7	17
2206	Stimulus transformation into motor action: Dynamic graph analysis reveals a posteriorâ€toâ€anterior shift in brain network communication of older subjects. Human Brain Mapping, 2021, 42, 1547-1563.	1.9	11
2207	Natural oscillation frequencies in the two lateral prefrontal cortices induced by Transcranial Magnetic Stimulation. NeuroImage, 2021, 227, 117655.	2.1	14
2208	Decreased integration of the frontoparietal network during a working memory task in major depressive disorder. Australian and New Zealand Journal of Psychiatry, 2021, 55, 577-587.	1.3	24
2209	Measuring robust functional connectivity from resting-state MEG using amplitude and entropy correlation across frequency bands and temporal scales. Neurolmage, 2021, 226, 117551.	2.1	9
2210	Hyperscanning Alone Cannot Prove Causality. Multibrain Stimulation Can. Trends in Cognitive Sciences, 2021, 25, 96-99.	4.0	64
2211	Modeling Reveals Human–Rodent Differences in H-Current Kinetics Influencing Resonance in Cortical Layer 5 Neurons. Cerebral Cortex, 2021, 31, 845-872.	1.6	18
2212	Fine Spike Timing in Hippocampal–Prefrontal Ensembles Predicts Poor Encoding and Underlies Behavioral Performance in Healthy and Malformed Brains. Cerebral Cortex, 2021, 31, 147-158.	1.6	2
2213	EEG coherence in theta, alpha, and beta bands in frontal regions and executive functions. Applied Neuropsychology Adult, 2021, 28, 310-317.	0.7	34
2214	Brain Morphological and Functional Networks: Implications for Neurodegeneration. Understanding Complex Systems, 2021, , 329-342.	0.3	2
2215	Neuronal oscillations and the mouse prefrontal cortex. International Review of Neurobiology, 2021, 158, 337-372.	0.9	7
2216	Deafness Weakens Interareal Couplings in the Auditory Cortex. Frontiers in Neuroscience, 2020, 14, 625721.	1.4	19
2217	Flexible Frequency Switching in Adult Mouse Visual Cortex Is Mediated by Competition Between Parvalbumin and Somatostatin Expressing Interneurons. Neural Computation, 2021, 33, 926-966.	1.3	7
2218	The Oscillatory Basis of Working Memory Function and Dysfunction in Epilepsy. Frontiers in Human Neuroscience, 2020, 14, 612024.	1.0	8
2219	A perspective on musical representations of folded protein nanostructures. Nano Futures, 2021, 5, 012501.	1.0	7
2220	Partial Phase Cohesiveness in Networks of Networks of Kuramoto Oscillators. IEEE Transactions on Automatic Control, 2021, 66, 6100-6107.	3.6	12
2221	Brain Oscillations and Their Implications for Neurorehabilitation. Brain & Neurorehabilitation, 2021, 14, .	0.4	3
2222	Brain rhythm bursts are enhanced by multiplicative noise. Chaos, 2021, 31, 013117.	1.0	5

#	Article	IF	CITATIONS
2223	Decreased resting-state alpha-band activation and functional connectivity after sleep deprivation. Scientific Reports, 2021, 11, 484.	1.6	21
2224	Potential roles of the rodent medial prefrontal cortex in conflict resolution between multiple decision-making systems. International Review of Neurobiology, 2021, 158, 249-281.	0.9	11
2226	The Cerebral Cortex: A Delay-Coupled Recurrent Oscillator Network?. Natural Computing Series, 2021, , 3-28.	2.2	3
2227	The Generation and Modulation of Distinct Gamma Oscillations with Local, Horizontal, and Feedback Connections in the Primary Visual Cortex: A Model Study on Large-Scale Networks. Neural Plasticity, 2021, 2021, 1-17.	1.0	30
2228	Dance on the Brain: Enhancing Intra- and Inter-Brain Synchrony. Frontiers in Human Neuroscience, 2020, 14, 584312.	1.0	38
2229	Coarse graining the dynamics of delayed phase oscillators on Cayley trees by star networks. European Physical Journal B, 2021, 94, 1.	0.6	3
2230	Predicting Grating Orientations With Cross-Frequency Coupling and Least Absolute Shrinkage and Selection Operator in V1 and V4 of Rhesus Monkeys. Frontiers in Computational Neuroscience, 2020, 14, 605104.	1.2	1
2231	Individual Alpha Frequency Determines the Impact of Bottom-Up Drive on Visual Processing. Cerebral Cortex Communications, 2021, 2, tgab032.	0.7	1
2232	Resting-State Phase-Amplitude Coupling Between the Human Subthalamic Nucleus and Cortical Activity: A Simultaneous Intracranial and Scalp EEG Study. Brain Topography, 2021, 34, 272-282.	0.8	5
2233	Cortical Activity at Baseline and During Light Stimulation in Patients With Strabismus and Amblyopia. IEEE Access, 2021, 9, 22430-22446.	2.6	11
2234	Motor Interference, But Not Sensory Interference, Increases Midfrontal Theta Activity and Brain Synchronization during Reactive Control. Journal of Neuroscience, 2021, 41, 1788-1801.	1.7	13
2235	GSK- $3\hat{l}^2$ Disrupts Neuronal Oscillatory Function to Inhibit Learning and Memory in Male Rats. Cellular and Molecular Neurobiology, 2022, 42, 1341-1353.	1.7	10
2236	Magnetoencephalography abnormalities in adult mild traumatic brain injury: A systematic review. Neurolmage: Clinical, 2021, 31, 102697.	1.4	15
2237	Oscillatory activity in the BNST/ALIC and the frontal cortex in OCD: acute effects of DBS. Journal of Neural Transmission, 2021, 128, 215-224.	1.4	7
2238	The potential of noisy galvanic vestibular stimulation for optimizing and assisting human performance. Neuropsychologia, 2021, 152, 107751.	0.7	9
2240	Beta2 Oscillations in Hippocampal-Cortical Circuits During Novelty Detection. Frontiers in Systems Neuroscience, 2021, 15, 617388.	1.2	7
2241	Effects of the antibiotic rifaximin on cortical functional connectivity are mediated through insular cortex. Scientific Reports, 2021, 11, 4479.	1.6	3
2242	Longitudinal changes in aperiodic and periodic activity in electrophysiological recordings in the first seven months of life. Developmental Cognitive Neuroscience, 2021, 47, 100895.	1.9	106

#	Article	IF	CITATIONS
2243	Frontal functional connectivity and disease duration interactively predict cognitive decline in Parkinson's disease. Clinical Neurophysiology, 2021, 132, 510-519.	0.7	12
2244	Causal modulation of right hemisphereÂfronto-parietal phase synchrony with Transcranial Magnetic Stimulation during a conscious visual detection task. Scientific Reports, 2021, 11, 3807.	1.6	13
2247	Lack of redundancy between electrophysiological measures of long-range neuronal communication. BMC Biology, 2021, 19, 24.	1.7	8
2248	Neuronal Effects of Listening to Entrainment Music Versus Preferred Music in Patients With Chronic Cancer Pain as Measured via EEG and LORETA Imaging. Frontiers in Psychology, 2021, 12, 588788.	1.1	8
2249	Birth and destruction of collective oscillations in a network of two populations of coupled type 1 neurons. Chaos, 2021, 31, 023141.	1.0	3
2250	Brain oscillations evoked by sound motion. Brain Research, 2021, 1752, 147232.	1.1	3
2251	Selective modulation of interhemispheric connectivity by transcranial alternating current stimulation influences binaural integration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
2252	Decoding the Content of Auditory Sensory Memory Across Species. Cerebral Cortex, 2021, 31, 3226-3236.	1.6	8
2253	Top-down control of visual cortex by the frontal eye fields through oscillatory realignment. Nature Communications, 2021, 12, 1757.	5.8	60
2254	The deep and slow breathing characterizing rest favors brain respiratory-drive. Scientific Reports, 2021, 11, 7044.	1.6	26
2255	How Negative Experience Influences the Brain: A Comprehensive Review of the Neurobiological Underpinnings of Nocebo Hyperalgesia. Frontiers in Neuroscience, 2021, 15, 652552.	1.4	10
2257	Theta Oscillations and Source Connectivity During Complex Audiovisual Object Encoding in Working Memory. Frontiers in Human Neuroscience, 2021, 15, 614950.	1.0	9
2259	Binding Mechanisms in Visual Perception and Their Link With Neural Oscillations: A Review of Evidence From tACS. Frontiers in Psychology, 2021, 12, 643677.	1.1	21
2260	EEG, MEG and neuromodulatory approaches to explore cognition: Current status and future directions. Brain and Cognition, 2021, 148, 105677.	0.8	14
2261	Phase–Amplitude Coupling, Mental Health and Cognition: Implications for Adolescence. Frontiers in Human Neuroscience, 2021, 15, 622313.	1.0	5
2262	The Role of Spectral Complexity in Connectivity Estimation. Axioms, 2021, 10, 35.	0.9	6
2263	Increase in Beta Power Reflects Attentional Top-Down Modulation After Psychosocial Stress Induction. Frontiers in Human Neuroscience, 2021, 15, 630813.	1.0	18
2264	Mild traumatic brain injury is associated with dysregulated neural network functioning in children and adolescents. Brain Communications, 2021, 3, fcab044.	1.5	7

#	Article	IF	CITATIONS
2265	Propagation and update of auditory perceptual priors through alpha and theta rhythms. European Journal of Neuroscience, 2022, 55, 3083-3099.	1.2	6
2266	Top-down coordination of local cortical state during selective attention. Neuron, 2021, 109, 894-904.e8.	3.8	26
2267	Bad Timing for Epileptic Networks: Role of Temporal Dynamics in Seizures and Cognitive Deficits. Epilepsy Currents, 2021, 21, 177-182.	0.4	0
2269	The Effect of Perampanel on Resting-State Electroencephalography Functional Connectivity in Patients with Epilepsy. Epilia Epilepsy and Community, 2021, 3, 40-46.	0.1	O
2270	Information propagation in recurrent neuronal populations with mixed excitatory–inhibitory synaptic connections. Nonlinear Dynamics, 2021, 104, 557-576.	2.7	4
2272	Neuronal heterogeneity modulates phase synchronization between unidirectionally coupled populations with excitation-inhibition balance. Physical Review E, 2021, 103, 032415.	0.8	3
2274	Spontaneous phase-coupling within cortico-cortical networks: How time counts for brain-state-dependent stimulation. Brain Stimulation, 2021, 14, 404-406.	0.7	4
2275	Frequency- and Area-Specific Phase Entrainment of Intrinsic Cortical Oscillations by Repetitive Transcranial Magnetic Stimulation. Frontiers in Human Neuroscience, 2021, 15, 608947.	1.0	7
2276	Children with autism spectrum disorder show altered functional connectivity and abnormal maturation trajectories in response to inverted faces. Autism Research, 2021, 14, 1101-1114.	2.1	14
2277	Superimposed gratings induce diverse response patterns of gamma oscillations in primary visual cortex. Scientific Reports, 2021, 11, 4941.	1.6	9
2278	The Auditory Steady-State Response: Electrophysiological Index for Sensory Processing Dysfunction in Psychiatric Disorders. Frontiers in Psychiatry, 2021, 12, 644541.	1.3	21
2279	Propofol-Induced Anesthesia Alters Corticocortical Functional Connectivity in the Human Brain: An EEG Source Space Analysis. Neuroscience Bulletin, 2021, 37, 563-568.	1.5	4
2281	The Effects of 10 Hz and 20 Hz tACS in Network Integration and Segregation in Chronic Stroke: A Graph Theoretical fMRI Study. Brain Sciences, 2021, 11, 377.	1.1	13
2283	Synchronous Brain Dynamics Establish Brief States of Communality in Distant Neuronal Populations. ENeuro, 2021, 8, ENEURO.0005-21.2021.	0.9	4
2286	Two views on the cognitive brain. Nature Reviews Neuroscience, 2021, 22, 359-371.	4.9	92
2287	Neurophysiological Synchrony Between Children With Severe Physical Disabilities and Their Parents During Music Therapy. Frontiers in Neuroscience, 2021, 15, 531915.	1.4	12
2289	Functional Connectivity in Developmental Dyslexia during Speed Discrimination. Symmetry, 2021, 13, 749.	1.1	6
2290	Toward a physics description of consciousness. European Physical Journal: Special Topics, 2021, 230, 1081.	1.2	1

#	Article	IF	Citations
2292	Representational Content of Oscillatory Brain Activity during Object Recognition: Contrasting Cortical and Deep Neural Network Hierarchies. ENeuro, 2021, 8, ENEURO.0362-20.2021.	0.9	4
2293	Probabilistic, entropy-maximizing control of large-scale neural synchronization. PLoS ONE, 2021, 16, e0249317.	1.1	7
2294	Toward integrative approaches to study the causal role of neural oscillations via transcranial electrical stimulation. Nature Communications, 2021, 12, 2243.	5.8	32
2295	Reduced Functional Connectivity in Children With Congenital Cataracts Using Resting-State Electroencephalography Measurement. Frontiers in Neuroscience, 2021, 15, 657865.	1.4	1
2296	Relationships between lognormal distributions of neural properties, activity, criticality, and connectivity. Biological Cybernetics, 2021, 115, 121-130.	0.6	4
2298	Malleability of gamma rhythms enhances population-level correlations. Journal of Computational Neuroscience, 2021, 49, 189-205.	0.6	3
2299	Transmission delays and frequency detuning can regulate information flow between brain regions. PLoS Computational Biology, 2021, 17, e1008129.	1.5	69
2300	Contrasting Electroencephalography-Derived Entropy and Neural Oscillations With Highly Skilled Meditators. Frontiers in Human Neuroscience, 2021, 15, 628417.	1.0	7
2301	Neural Oscillations as Representations. British Journal for the Philosophy of Science, 2023, 74, 619-648.	1.4	1
2302	White matter microstructural differences underlying beta oscillations during speech in adults who stutter. Brain and Language, 2021, 215, 104921.	0.8	11
2303	Prefrontal lesions disrupt oscillatory signatures of spatiotemporal integration in working memory. Cortex, 2021, 138, 113-126.	1,1	18
2304	Coupling between slow waves and sharp-wave ripples engages distributed neural activity during sleep in humans. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	42
2305	Is there a "g-neuron� Establishing a systematic link between general intelligence (g) and the von Economo neuron. Intelligence, 2021, 86, 101540.	1.6	10
2306	Neurochemistry of Visual Attention. Frontiers in Neuroscience, 2021, 15, 643597.	1.4	16
2309	Allergic rhinitis impairs working memory in association with drop of hippocampal – Prefrontal coupling. Brain Research, 2021, 1758, 147368.	1.1	16
2310	Predictive Intelligence for Learning and Optimization. , 2021, , 162-188.		0
2311	Changes in the Brain Activity and Visual Performance of Patients with Strabismus and Amblyopia after a Compete Cycle of Light Therapy. Brain Sciences, 2021, 11, 657.	1,1	6
2312	The neurocognitive correlates of brain entropy estimated by resting state fMRI. NeuroImage, 2021, 232, 117893.	2.1	21

#	Article	IF	CITATIONS
2313	On a Quantitative Approach to Clinical Neuroscience in Psychiatry: Lessons from the Kuramoto Model. Harvard Review of Psychiatry, 2021, 29, 318-326.	0.9	5
2314	Principles and open questions in functional brain network reconstruction. Human Brain Mapping, 2021, 42, 3680-3711.	1.9	33
2315	The "when―and "where―of the interplay between attentional capture and response inhibition during a Go/NoGo variant. Neurolmage, 2021, 231, 117837.	2.1	8
2318	The temporal sensitivity to the tactile-induced double flash illusion mediates the impact of beta oscillations on schizotypal personality traits. Consciousness and Cognition, 2021, 91, 103121.	0.8	9
2320	Mean-Field Models for EEG/MEG: From Oscillations to Waves. Brain Topography, 2022, 35, 36-53.	0.8	14
2321	Cortical gamma-band resonance preferentially transmits coherent input. Cell Reports, 2021, 35, 109083.	2.9	26
2322	Effects of early life seizures on coordination of hippocampal–prefrontal networks: Influence of sex and dynamic brain states. Epilepsia, 2021, 62, 1701-1714.	2.6	12
2323	Neural oscillations track the maintenance and proceduralization of novel instructions. NeuroImage, 2021, 232, 117870.	2.1	9
2324	Differential dopaminergic modulation of spontaneous cortico–subthalamic activity in Parkinson's disease. ELife, 2021, 10, .	2.8	13
2325	Lévy walk dynamics explain gamma burst patterns in primate cerebral cortex. Communications Biology, 2021, 4, 739.	2.0	11
2326	From Univariate to Multivariate Coupling Between Continuous Signals and Point Processes: A Mathematical Framework. Neural Computation, 2021, 33, 1751-1817.	1.3	2
2327	Physical principles of brain–computer interfaces and their applications for rehabilitation, robotics and control of human brain states. Physics Reports, 2021, 918, 1-133.	10.3	88
2328	Dissociable theta networks underlie the switch and mixing costs during <scp>task switching</scp> . Human Brain Mapping, 2021, 42, 4643-4657.	1.9	9
2329	Characterization of the abnormal cortical effective connectivity in patients with sleep apnea hypopnea syndrome during sleep. Computer Methods and Programs in Biomedicine, 2021, 204, 106060.	2.6	8
2333	Paradoxical phase response of gamma rhythms facilitates their entrainment in heterogeneous networks. PLoS Computational Biology, 2021, 17, e1008575.	1.5	4
2334	Improved neuronal ensemble inference with generative model and MCMC. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 063501.	0.9	2
2335	Electroencephalogram-Electromyogram Functional Coupling and Delay Time Change Based on Motor Task Performance. Sensors, 2021, 21, 4380.	2.1	10
2336	Hardware Acceleration of EEG-Based Emotion Classification Systems: A Comprehensive Survey. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 412-442.	2.7	12

#	Article	IF	CITATIONS
2337	Keeping the Breath in Mind: Respiration, Neural Oscillations, and the Free Energy Principle. Frontiers in Neuroscience, 2021, 15, 647579.	1.4	21
2338	Neural oscillations underlying selective attention follow sexually divergent developmental trajectories during adolescence. Developmental Cognitive Neuroscience, 2021, 49, 100961.	1.9	16
2339	Phase-coupling of neural oscillations contributes to individual differences in peripersonal space. Neuropsychologia, 2021, 156, 107823.	0.7	2
2340	Analysing Effective Connectivity of the Math-gifted Brain with Nonlinear Granger Causality., 2021,,.		1
2342	Selection for Action: The Medial Frontal Cortex Is an Executive Hub for Stimulus and Response Selection. Journal of Cognitive Neuroscience, 2021, 33, 1442-1469.	1.1	10
2343	Visual gamma oscillations predict sensory sensitivity in females as they do in males. Scientific Reports, 2021, 11, 12013.	1.6	4
2344	Neural Synchrony for Adaptive Control. Journal of Cognitive Neuroscience, 2021, 33, 1-19.	1.1	3
2346	Amplitude-phase description of stochastic neural oscillators across the Hopf bifurcation. Physical Review Research, 2021, 3, .	1.3	6
2347	Determination of Dynamic Brain Connectivity via Spectral Analysis. Frontiers in Human Neuroscience, 2021, 15, 655576.	1.0	12
2348	Spatiotemporal dynamics of maximal and minimal EEG spectral power. PLoS ONE, 2021, 16, e0253813.	1.1	4
2349	Dynamics of coherent activity between cortical areas defines a two-stage process of top-down attention. Experimental Brain Research, 2021, 239, 2767-2779.	0.7	4
2350	Largeâ€scale collaboration in ENIGMAâ€EEG: A perspective on the metaâ€analytic approach to link neurological and psychiatric liability genes to electrophysiological brain activity. Brain and Behavior, 2021, 11, e02188.	1.0	18
2353	A model integrating multiple processes of synchronization and coherence for information instantiation within a cortical area. BioSystems, 2021, 205, 104403.	0.9	1
2354	A Machine Learning Approach for Detecting Vicarious Trial and Error Behaviors. Frontiers in Neuroscience, 2021, 15, 676779.	1.4	1
2355	Using fast visual rhythmic stimulation to control inter-hemispheric phase offsets in visual areas. Neuropsychologia, 2021, 157, 107863.	0.7	4
2356	Probing the Functional and Structural Connectivity Underlying EEG Traveling Waves. Brain Topography, 2022, 35, 66-78.	0.8	1
2357	EEG cross-frequency phase synchronization as an index of memory matching in visual search. Neurolmage, 2021, 235, 117971.	2.1	9
2358	Letter: A Novel Framework for Network-Targeted Neuropsychiatric Deep Brain Stimulation. Neurosurgery, 2021, 89, E281-E282.	0.6	1

#	Article	IF	Citations
2359	The unbalanced reorganization of weaker functional connections induces the altered brain network topology in schizophrenia. Scientific Reports, 2021, 11, 15400.	1.6	8
2361	The time-locked neurodynamics of semantic processing in autism spectrum disorder: an EEG study. Cognitive Neurodynamics, 2022, 16, 43-72.	2.3	2
2362	Methodological considerations for studying neural oscillations. European Journal of Neuroscience, 2022, 55, 3502-3527.	1.2	93
2363	Oscillatory alpha power at rest reveals an independent self: A cross-cultural investigation. Biological Psychology, 2021, 163, 108118.	1.1	8
2364	Membrane Resonance in Pyramidal and GABAergic Neurons of the Mouse Perirhinal Cortex. Frontiers in Cellular Neuroscience, 2021, 15, 703407.	1.8	3
2365	Modularity and robustness of frontal cortical networks. Cell, 2021, 184, 3717-3730.e24.	13.5	39
2366	Cortical control of behavior and attention from an evolutionary perspective. Neuron, 2021, 109, 3048-3054.	3.8	20
2367	Cortical Engagement Metrics During Reactive Balance Are Associated With Distinct Aspects of Balance Behavior in Older Adults. Frontiers in Aging Neuroscience, 2021, 13, 684743.	1.7	21
2368	Regional characterization of functional connectivity in patients with sleep apnea hypopnea syndrome during sleep. Physiological Measurement, 2021, 42, 075004.	1.2	8
2369	Gamma oscillations modulate working memory recall precision. Experimental Brain Research, 2021, 239, 2711-2724.	0.7	18
2370	The Sync-Fire/deSync model: Modelling the reactivation of dynamic memories from cortical alpha oscillations. Neuropsychologia, 2021, 158, 107867.	0.7	4
2371	Responses of functional brain networks while watching 2D and 3D videos: An EEG study. Biomedical Signal Processing and Control, 2021, 68, 102613.	3.5	14
2373	Inter-regional BOLD signal variability is an organizational feature of functional brain networks. Neurolmage, 2021, 237, 118149.	2.1	25
2374	Background synaptic input modulates the visuospatial working memory. Physical Review E, 2021, 104, 024416.	0.8	4
2375	Multi-scale neural decoding and analysis. Journal of Neural Engineering, 2021, 18, 045013.	1.8	16
2376	Slow oscillations open susceptible time windows for epileptic discharges. Epilepsia, 2021, 62, 2357-2371.	2.6	14
2377	Odor identity can be extracted from the reciprocal connectivity between olfactory bulb and piriform cortex in humans. NeuroImage, 2021, 237, 118130.	2.1	14
2378	Mechanisms of Flexible Information Sharing through Noisy Oscillations. Biology, 2021, 10, 764.	1.3	4

#	Article	IF	CITATIONS
2379	The Haken–Kelso–Bunz (HKB) model: from matter to movement to mind. Biological Cybernetics, 2021, 115, 305-322.	0.6	21
2380	Functional Neurophysiological Biomarkers of Early-Stage Alzheimer's Disease: A Perspective of Network Hyperexcitability in Disease Progression. Journal of Alzheimer's Disease, 2022, 88, 809-836.	1.2	12
2381	The Antidepressant-Like and Analgesic Effects of Kratom Alkaloids are accompanied by Changes in Low Frequency Oscillations but not î"FosB Accumulation. Frontiers in Pharmacology, 2021, 12, 696461.	1.6	5
2382	Emergence of canonical functional networks from the structural connectome. NeuroImage, 2021, 237, 118190.	2.1	15
2383	Phase-Synchronized Transcranial Alternating Current Stimulation-Induced Neural Oscillations Modulate Cortico-Cortical Signaling Efficacy. Brain Connectivity, 2021, , .	0.8	1
2384	Phase-locking intermittency induced by dynamical heterogeneity in networks of thermosensitive neurons. Chaos, 2021, 31, 083121.	1.0	3
2385	State-independent and state-dependent patterns in the rat default mode network. NeuroImage, 2021, 237, 118148.	2.1	4
2386	Simultaneous EEG-fMRI reveals theta network alterations during reward feedback processing in borderline personality disorder. Scientific Reports, 2021, 11, 17336.	1.6	1
2387	Alpha oscillatory power decreases are associated with better memory for higher valued information. Cognitive Neuroscience, 2022, 13, 87-98.	0.6	0
2388	Motor Learning Based on Oscillatory Brain Activity Using Transcranial Alternating Current Stimulation: A Review. Brain Sciences, 2021, 11, 1095.	1.1	8
2389	Brain Circuits Involved in the Development of Chronic Musculoskeletal Pain: Evidence From Non-invasive Brain Stimulation. Frontiers in Neurology, 2021, 12, 732034.	1.1	13
2390	Within-subject reaction time variability: Role of cortical networks and underlying neurophysiological mechanisms. NeuroImage, 2021, 237, 118127.	2.1	18
2391	Revealing the Dynamic Nature of Amplitude Modulated Neural Entrainment With Holo-Hilbert Spectral Analysis. Frontiers in Neuroscience, 2021, 15, 673369.	1.4	10
2392	Recurrent dynamics in the cerebral cortex: Integration of sensory evidence with stored knowledge. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	44
2393	Deep Fusion of Brain Structure-Function in Mild Cognitive Impairment. Medical Image Analysis, 2021, 72, 102082.	7.0	37
2395	Structure, function and connectivity fingerprints of the frontal eye field versus the inferior frontal junction: A comprehensive comparison. European Journal of Neuroscience, 2021, 54, 5462-5506.	1.2	20
2397	Mesoscopic physiological interactions in the human brain reveal small-world properties. Cell Reports, 2021, 36, 109585.	2.9	7
2398	Synchronization patterns reveal neuronal coding of working memory content. Cell Reports, 2021, 36, 109566.	2.9	17

#	Article	IF	CITATIONS
2399	Neuronal excitation/inhibition imbalance: core element of a translational perspective on Alzheimer pathophysiology. Ageing Research Reviews, 2021, 69, 101372.	5.0	90
2400	A CMOS Integrated Low-Power, Ultra-Low-Frequency Relaxation Oscillator for Neuromorphic Applications. , 2021, , .		4
2401	Effects of age differences in memory formation on neural mechanisms of consolidation and retrieval. Seminars in Cell and Developmental Biology, 2021, 116, 135-145.	2.3	9
2402	Coherent neural oscillations inform early stroke motor recovery. Human Brain Mapping, 2021, 42, 5636-5647.	1.9	16
2404	Electroencephalography in Assessment of Autism Spectrum Disorders: A Review. Frontiers in Psychiatry, 2021, 12, 686021.	1.3	17
2406	Disentangling the influences of multiple thalamic nuclei on prefrontal cortex and cognitive control. Neuroscience and Biobehavioral Reviews, 2021, 128, 487-510.	2.9	22
2407	Paradoxical facilitation alongside interhemispheric inhibition. Experimental Brain Research, 2021, 239, 3303-3313.	0.7	4
2408	Integration, coincidence detection and resonance in networks of spiking neurons expressing Gamma oscillations and asynchronous states. PLoS Computational Biology, 2021, 17, e1009416.	1.5	11
2409	Fronto-subthalamic phase synchronization and cross-frequency coupling during conflict processing. Neurolmage, 2021, 238, 118205.	2.1	12
2410	Midfrontal Theta Activity in Psychiatric Illness: An Index of Cognitive Vulnerabilities Across Disorders. Biological Psychiatry, 2022, 91, 173-182.	0.7	21
2411	On the Specificity and Permanence of Electroencephalography Functional Connectivity. Brain Sciences, 2021, 11, 1266.	1.1	4
2412	Widespread theta coherence during spatial cognitive control. Neuropsychologia, 2021, 160, 107979.	0.7	4
2413	The secret life of predictive brains: what's spontaneous activity for?. Trends in Cognitive Sciences, 2021, 25, 730-743.	4.0	94
2414	Novel method for identification of individualized resonant frequencies for treatment of Major Depressive Disorder (MDD) using repetitive Transcranial Magnetic Stimulation (rTMS): A proof-of-concept study. Brain Stimulation, 2021, 14, 1373-1383.	0.7	8
2415	Dynamic modulation of cortico-muscular coupling during real and imagined sensorimotor synchronisation. Neurolmage, 2021, 238, 118209.	2.1	13
2416	Coordination of top-down influence on V1 responses by interneurons and brain rhythms. BioSystems, 2021, 207, 104452.	0.9	1
2417	Spectral changes following resective epilepsy surgery and neurocognitive function in children with epilepsy. Journal of Neurophysiology, 2021, 126, 1614-1621.	0.9	3
2418	Working memory load modulates oscillatory activity and the distribution of fast frequencies across frontal theta phase during working memory maintenance. Neurobiology of Learning and Memory, 2021, 183, 107476.	1.0	11

#	Article	IF	CITATIONS
2420	Discrete spectral eigenmode-resonance network of brain dynamics and connectivity. Physical Review E, 2021, 104, 034411.	0.8	1
2421	Classification of visuomotor tasks based on electroencephalographic data depends on age-related differences in brain activity patterns. Neural Networks, 2021, 142, 363-374.	3.3	4
2422	Gamma-band synchronisation in a frontotemporal auditory information processing network. Neurolmage, 2021, 239, 118307.	2.1	13
2423	Delineating between-subject heterogeneity in alpha networks with Spatio-Spectral Eigenmodes. Neurolmage, 2021, 240, 118330.	2.1	8
2424	Atypical development of emotional face processing networks in autism spectrum disorder from childhood through to adulthood. Developmental Cognitive Neuroscience, 2021, 51, 101003.	1.9	13
2425	Theta-burst versus 20ÂHz repetitive transcranial magnetic stimulation in neuropathic pain: A head-to-head comparison. Clinical Neurophysiology, 2021, 132, 2702-2710.	0.7	17
2426	Oscillatory activity and EEG phase synchrony of concurrent word segmentation and meaning-mapping in 9-year-old children. Developmental Cognitive Neuroscience, 2021, 51, 101010.	1.9	4
2427	Alpha-band cortico-cortical phase synchronization is associated with effective connectivity in the motor network. Clinical Neurophysiology, 2021, 132, 2473-2480.	0.7	12
2428	Frequency-dependent effects of EEG phase resetting on reaction time. Neuroscience Research, 2021, 172, 51-62.	1.0	2
2429	Modulation in cortical excitability disrupts information transfer in perceptual-level stimulus processing Neurolmage, 2021, 243, 118498.	2.1	6
2430	Laminar dynamics of high amplitude beta bursts in human motor cortex. Neurolmage, 2021, 242, 118479.	2.1	45
2431	Sensitivity of amplitude and phase based MEG measures of interhemispheric connectivity during unilateral finger movements. Neurolmage, 2021, 242, 118457.	2.1	4
2432	On the characterization of cognitive tasks using activity-specific short-lived synchronization between electroencephalography channels. Neural Networks, 2021, 143, 452-474.	3.3	6
2433	Tracking transient changes in the intrinsic neural frequency architecture: Oxytocin facilitates non-harmonic relationships between alpha and theta rhythms in the resting brain. Psychoneuroendocrinology, 2021, 133, 105397.	1.3	5
2434	Maternal perinatal anxiety and neural responding to infant affective signals: Insights, challenges, and a road map for neuroimaging research. Neuroscience and Biobehavioral Reviews, 2021, 131, 387-399.	2.9	10
2435	The impact of gliomas on resting-state oscillatory activity and connectivity: A magnetoencephalography study. NeuroImage Reports, 2021, 1, 100051.	0.5	0
2436	A ketogenic diet affects brain volume and metabolome in juvenile mice. NeuroImage, 2021, 244, 118542.	2.1	10
2437	Delta-modulated cortical alpha oscillations support new knowledge generation through memory integration. Neurolmage, 2021, 244, 118600.	2.1	6

#	Article	IF	CITATIONS
2438	Brain rhythms, neural synchrony, and networks in health and disease., 2021,, 1-21.		2
2440	A neural noise account of Gilles de la Tourette syndrome. NeuroImage: Clinical, 2021, 30, 102654.	1.4	8
2442	Infraâ€slow modulation of fast beta/gamma oscillations in the mouse visual system. Journal of Physiology, 2021, 599, 1631-1650.	1.3	7
2443	Modulating Gamma Oscillations Promotes Brain Connectivity to Improve Cognitive Impairment. Cerebral Cortex, 2022, 32, 2644-2656.	1.6	47
2446	Learned control of inter-hemispheric connectivity: Effects on bimanual motor performance. Human Brain Mapping, 2017, 38, 4353-4369.	1.9	20
2447	Oscillatory and structural signatures of language plasticity in brain tumor patients: A longitudinal study. Human Brain Mapping, 2021, 42, 1777-1793.	1.9	15
2448	Synchronization Between Sources: Emerging Methods for Understanding Large-Scale Functional Networks in the Human Brain., 2009, , 25-42.		10
2449	The Size of Neuronal Assemblies, Their Frequency of Synchronization, and Their Cognitive Function., 2009, , 117-136.		1
2450	Small World Networks in Computational Neuroscience. , 2013, , 3057-3088.		3
2451	Spectral Interdependency Methods. , 2014, , 1-6.		1
2453	Human Brain Oscillations: From Physiological Mechanisms to Analysis and Cognition. , 2019, , 471-517.		9
2454	Unified Principles of Thalamocortical Network Dynamics: A Framework for Typical/Atypical Functional Connectivity., 2019,, 543-570.		4
2455	The Role of Criticality in Flexible Visual Information Processing. Springer Series on Bio- and Neurosystems, 2019, , 233-264.	0.2	3
2456	Local Field Potentials and ECoG. , 2020, , 107-117.		2
2457	Discovery and Validation of Biomarkers Based on Computational Models of Normal and Pathological Hippocampal Rhythms. Springer Series in Computational Neuroscience, 2015, , 15-42.	0.3	3
2458	The Brain in Space. Research and Perspectives in Neurosciences, 2016, , 45-74.	0.4	13
2459	Neuronal Synchronization, Attention Orienting, and Primary Consciousness., 2016,, 29-49.		2
2460	Human Hippocampal Theta Oscillations: Distinctive Features and Interspecies Commonalities. , 2017, , 37-67.		2

#	ARTICLE	IF	CITATIONS
2461	Unified Principles of Thalamocortical Network Dynamics: A Framework for Typical/Atypical Functional Connectivity. , 2019 , , $1\text{-}28$.		3
2462	Neuronal Signatures of Selective Attention – Synchronization and Gain Modulation as Mechanisms for Selective Sensory Information Processing. , 2009, , 3-28.		2
2463	The Aberrant Connectivity Hypothesis in Schizophrenia., 2009, , 301-323.		6
2464	Natural Intelligence and Artificial Intelligence: Bridging the Gap between Neurons and Neuro-Imaging to Understand Intelligent Behaviour. Studies in Computational Intelligence, 2007, , 145-161.	0.7	1
2465	Complex Spiking Models: A Role for Diffuse Thalamic Projections in Complex Cortical Activity. Lecture Notes in Computer Science, 2010, , 41-48.	1.0	1
2466	Rhythmic Neuronal Synchronization Subserves Selective Attentional Processing. Research and Perspectives in Neurosciences, 2011, , 109-132.	0.4	6
2467	An Introduction to MEG Connectivity Measurements. , 2014, , 321-358.		12
2468	Thalamocortical Network Dynamics: A Framework for Typical/Atypical Cortical Oscillations and Connectivity., 2014,, 429-449.		5
2469	Function Follows Dynamics: State-Dependency of Directed Functional Influences. Understanding Complex Systems, 2014, , 111-135.	0.3	3
2470	The Function of Oscillations in the Hippocampal Formation. , 2014, , 303-350.		8
2471	Critical Roles of Implicit Interpersonal Information in Communication. , 2016, , 271-290.		4
2472	Towards a Theory of Computation in the Visual Cortex. Cognitive Science and Technology, 2017, , 59-84.	0.2	18
2473	Temporal Coherence: A Versatile Code for the Definition of Relations. , 2008, , 1-9.		2
2474	Neural encoding of time in the animal brain. Neuroscience and Biobehavioral Reviews, 2020, 115, 146-163.	2.9	20
2475	Discovering dynamic task-modulated functional networks with specific spectral modes using MEG. Neurolmage, 2020, 218, 116924.	2.1	22
2476	Prediction and memory: A predictive coding account. Progress in Neurobiology, 2020, 192, 101821.	2.8	108
2478	Language and Literacy from a Cognitive Neuroscience Perspective., 0,, 152-182.		19
2479	Methodological Advances for Detecting Physiological Synchrony During Dyadic Interactions. Methodology, 2013, 9, 41-53.	0.5	35

#	ARTICLE	IF	CITATIONS
2480	Construal level shifts integration and segregation of the brain network Journal of Experimental Psychology: General, 2020, 149, 382-390.	1.5	3
2481	Cross-hemispheric gamma synchrony between prefrontal parvalbumin interneurons supports behavioral adaptation during rule shift learning. Nature Neuroscience, 2020, 23, 892-902.	7.1	50
2482	CHAPTER 10. Optogenetic and Chemogenetic Tools for Drug Discovery in Schizophrenia. RSC Drug Discovery Series, 2015, , 234-272.	0.2	1
2483	Restless minds, wandering brains. Advances in Consciousness Research, 2012, , 121-148.	0.2	5
2484	The correlation/constitution distinction problem. Advances in Consciousness Research, 2015, , 104-154.	0.2	1
2486	MEG: An Introduction to Methods. , 2010, , .		220
2487	1.3 Studies of the Human Brain Combining Functional Neuroimaging and Electrophysiological Methods., 2010,, 47-66.		4
2488	4.1 Linking Band-Limited Cortical Activity to fMRI and Behavior. , 2010, , 271-294.		11
2489	Spatiotemporal Dynamics of Synchronous Activity across Multiple Areas of the Visual Cortex in the Alert Monkey., 2011,, 233-254.		2
2490	Simplicity in Perceptual Organization., 0,,.		19
2562	Phase dynamics of delay-coupled quasi-cycles with application to brain rhythms. Physical Review Research, 2020, 2, .	1.3	5
2563	Sleep patterns in Parkinson's disease: direct recordings from the subthalamic nucleus. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 95-104.	0.9	37
2565	Neural Oscillations: Understanding a Neural Code of Pain. Neuroscientist, 2021, 27, 544-570.	2.6	37
2566	Understanding the dynamics of biological and neural oscillator networks through exact mean-field reductions: a review. Journal of Mathematical Neuroscience, 2020, 10, 9.	2.4	145
2567	Chapter 13 Imaging brain connectivity in autism spectrum disorder. , 2016, , 245-286.		2
2568	Multisensory Integration through Neural Coherence. Frontiers in Neuroscience, 2011, , 115-130.	0.0	12
2569	Multisensory Integration through Neural Coherence. Frontiers in Neuroscience, 2011, , 115-130.	0.0	14
2570	Prefrontal cortex and cognitive control: new insights from human electrophysiology. F1000Research, 2019, 8, 1696.	0.8	47

#	Article	IF	CITATIONS
2571	Converging Intracranial Markers of Conscious Access. PLoS Biology, 2009, 7, e1000061.	2.6	326
2572	Shifts of Gamma Phase across Primary Visual Cortical Sites Reflect Dynamic Stimulus-Modulated Information Transfer. PLoS Biology, 2015, 13, e1002257.	2.6	95
2573	Establishing a Statistical Link between Network Oscillations and Neural Synchrony. PLoS Computational Biology, 2015, 11, e1004549.	1.5	14
2574	Cortical Resonance Frequencies Emerge from Network Size and Connectivity. PLoS Computational Biology, 2016, 12, e1004740.	1.5	39
2575	Cortico-Cortical Interactions during Acquisition and Use of a Neuroprosthetic Skill. PLoS Computational Biology, 2016, 12, e1004931.	1.5	6
2576	Inferring oscillatory modulation in neural spike trains. PLoS Computational Biology, 2017, 13, e1005596.	1.5	7
2577	A dynamical systems approach for estimating phase interactions between rhythms of different frequencies from experimental data. PLoS Computational Biology, 2018, 14, e1005928.	1.5	18
2578	Directed Cortical Information Flow during Human Object Recognition: Analyzing Induced EEG Gamma-Band Responses in Brain's Source Space. PLoS ONE, 2007, 2, e684.	1.1	127
2579	Rhythms of Consciousness: Binocular Rivalry Reveals Large-Scale Oscillatory Network Dynamics Mediating Visual Perception. PLoS ONE, 2009, 4, e6142.	1.1	153
2580	Novel Candidate Genes Associated with Hippocampal Oscillations. PLoS ONE, 2011, 6, e26586.	1.1	10
2581	Abnormal Cognition, Sleep, EEG and Brain Metabolism in a Novel Knock-In Alzheimer Mouse, PLB1. PLoS ONE, 2011, 6, e27068.	1.1	115
2582	Predicting Spike Occurrence and Neuronal Responsiveness from LFPs in Primary Somatosensory Cortex. PLoS ONE, 2012, 7, e35850.	1.1	17
2583	Anatomical Connectivity Influences both Intra- and Inter-Brain Synchronizations. PLoS ONE, 2012, 7, e36414.	1.1	90
2584	A Computational Study on Altered Theta-Gamma Coupling during Learning and Phase Coding. PLoS ONE, 2012, 7, e36472.	1.1	9
2585	Developmental Changes of BOLD Signal Correlations with Global Human EEG Power and Synchronization during Working Memory. PLoS ONE, 2012, 7, e39447.	1.1	29
2586	Neural Activity in the Macaque Putamen Associated with Saccades and Behavioral Outcome. PLoS ONE, 2012, 7, e51596.	1.1	16
2587	Dynamics of Distraction: Competition among Auditory Streams Modulates Gain and Disrupts Inter-Trial Phase Coherence in the Human Electroencephalogram. PLoS ONE, 2013, 8, e53953.	1.1	18
2588	Is Transcranial Alternating Current Stimulation Effective in Modulating Brain Oscillations?. PLoS ONE, 2013, 8, e56589.	1.1	92

#	Article	IF	CITATIONS
2589	Spatiotemporal Dynamics of High-Gamma Activities during a 3-Stimulus Visual Oddball Task. PLoS ONE, 2013, 8, e59969.	1.1	23
2590	Adaptive Filtering Methods for Identifying Cross-Frequency Couplings in Human EEG. PLoS ONE, 2013, 8, e60513.	1.1	14
2591	Noisy Galvanic Vestibular Stimulation Modulates the Amplitude of EEG Synchrony Patterns. PLoS ONE, 2013, 8, e69055.	1.1	44
2592	Network Bursting Dynamics in Excitatory Cortical Neuron Cultures Results from the Combination of Different Adaptive Mechanism. PLoS ONE, 2013, 8, e75824.	1.1	36
2593	Reconstructing Coherent Networks from Electroencephalography and Magnetoencephalography with Reduced Contamination from Volume Conduction or Magnetic Field Spread. PLoS ONE, 2013, 8, e81553.	1.1	29
2594	Inhibition of Propofol Anesthesia on Functional Connectivity between LFPs in PFC during Rat Working Memory Task. PLoS ONE, 2013, 8, e83653.	1.1	10
2595	The Default Mode Network and EEG Regional Spectral Power: A Simultaneous fMRI-EEG Study. PLoS ONE, 2014, 9, e88214.	1.1	121
2596	Beta, but Not Gamma, Band Oscillations Index Visual Form-Motion Integration. PLoS ONE, 2014, 9, e95541.	1.1	17
2597	The Golden Section as Optical Limitation. PLoS ONE, 2015, 10, e0131045.	1.1	7
2598	Decoding Sensorimotor Rhythms during Robotic-Assisted Treadmill Walking for Brain Computer Interface (BCI) Applications. PLoS ONE, 2015, 10, e0137910.	1.1	47
2599	Global Neuromagnetic Cortical Fields Have Non-Zero Velocity. PLoS ONE, 2016, 11, e0148413.	1.1	17
2600	Rhythmic Components in Extracranial Brain Signals Reveal Multifaceted Task Modulation of Overlapping Neuronal Activity. PLoS ONE, 2016, 11, e0154881.	1.1	21
2601	The Contribution of Increased Gamma Band Connectivity to Visual Non-Verbal Reasoning in Autistic Children: A MEG Study. PLoS ONE, 2016, 11, e0163133.	1.1	15
2602	The variability of multisensory processes of natural stimuli in human and non-human primates in a detection task. PLoS ONE, 2017, 12, e0172480.	1.1	13
2603	Failure to modulate reward prediction errors in declarative learning with theta (6 Hz) frequency transcranial alternating current stimulation. PLoS ONE, 2020, 15, e0237829.	1.1	5
2604	Lag-invariant detection of interactions in spatially-extended systems using linear inverse modeling. PLoS ONE, 2020, 15, e0242715.	1.1	4
2605	Olfactory response as a marker for Alzheimer's disease: Evidence from perceptual and frontal lobe oscillation coherence deficit. PLoS ONE, 2020, 15, e0243535.	1.1	13
2606	Modeling Biological Systems Using Crowdsourcing. Foundations of Computing and Decision Sciences, 2018, 43, 219-243.	0.5	2

#	Article	IF	CITATIONS
2607	Competing Mechanisms of Gamma and Beta Oscillations in the Olfactory Bulb Based on Multimodal Inhibition of Mitral Cells Over a Respiratory Cycle. ENeuro, 2015, 2, ENEURO.0018-15.2015.	0.9	44
2608	Unanticipated Stressful and Rewarding Experiences Engage the Same Prefrontal Cortex and Ventral Tegmental Area Neuronal Populations. ENeuro, 2020, 7, ENEURO.0029-20.2020.	0.9	14
2609	At What Latency Does the Phase of Brain Oscillations Influence Perception?. ENeuro, 2017, 4, ENEURO.0078-17.2017.	0.9	30
2610	Beyond the Status Quo: A Role for Beta Oscillations in Endogenous Content (Re)Activation. ENeuro, 2017, 4, ENEURO.0170-17.2017.	0.9	363
2611	Hetereogeneity in Neuronal Intrinsic Properties: A Possible Mechanism for Hub-Like Properties of the Rat Anterior Cingulate Cortex during Network Activity. ENeuro, 2017, 4, ENEURO.0313-16.2017.	0.9	17
2612	Signature Patterns for Top-Down and Bottom-Up Information Processing via Cross-Frequency Coupling in Macaque Auditory Cortex. ENeuro, 2019, 6, ENEURO.0467-18.2019.	0.9	21
2613	Large-Scale 3–5 Hz Oscillation Constrains the Expression of Neocortical Fast Ripples in a Mouse Model of Mesial Temporal Lobe Epilepsy. ENeuro, 2019, 6, ENEURO.0494-18.2019.	0.9	25
2615	Neural Networks and Neurofeedback in Parkinson's Disease. NeuroRegulation, 2014, 1, 240-272.	0.7	11
2616	Increased local connectivity of brain functional networks during facial processing in schizophrenia: evidence from EEG data. Oncotarget, 2017, 8, 107312-107322.	0.8	20
2617	Changes in Event-Related Desynchronization and Synchronization during the Auditory Oddball Task in Schizophrenia Patients. Open Neuroimaging Journal, 2012, 6, 26-36.	0.2	20
2619	Good vibrations, bad vibrations: Oscillatory brain activity in the attentional blink. Advances in Cognitive Psychology, 2011, 7, 92-107.	0.2	16
2620	Brain rhythms and neural syntax: implications for efficient coding of cognitive content and neuropsychiatric disease Dialogues in Clinical Neuroscience, 2012, 14, 345-367.	1.8	404
2621	High-frequency oscillations and the neurobiology of schizophrenia. Dialogues in Clinical Neuroscience, 2013, 15, 301-313.	1.8	151
2622	The frontoparietal network: function, electrophysiology, and importance of individual precision mapping. Dialogues in Clinical Neuroscience, 2018, 20, 133-140.	1.8	458
2623	ISSUES, POSSIBILITIES AND THE ROLE OF NEURAL NOISE IN MEDITATION RESEARCH. Simbio-Logias Revista Eletrônica De Educação Filosofia E Nutrição, 2018, 10, 149-159.	0.1	3
2624	Synchronization of Autonomic and Cerebral Rhythms During Listening to Music: Effects of Tempo and Cognition of Songs. Physiological Research, 2019, 68, 1005-1019.	0.4	7
2625	Are Different Rhythms Good for Different Functions?. Frontiers in Human Neuroscience, 2010, 4, 187.	1.0	119
2626	Dynamic BOLD functional connectivity in humans and its electrophysiological correlates. Frontiers in Human Neuroscience, 2012, 6, 339.	1.0	248

#	Article	IF	Citations
2627	Fronto-parietal network oscillations reveal relationship between working memory capacity and cognitive control. Frontiers in Human Neuroscience, 2014, 8, 761.	1.0	75
2628	Measuring the Coupling Direction between Neural Oscillations with Weighted Symbolic Transfer Entropy. Entropy, 2020, 22, 1442.	1.1	3
2629	Rapidly forming, slowly evolving, spatial patterns from quasi-cycle Mexican Hat coupling. Mathematical Biosciences and Engineering, 2019, 16, 6769-6793.	1.0	5
2630	What the Brain can Tell us in Musculoskeletal Rehabilitation. , 2012, 02, .		2
2631	EEG Characteristics of Adolescents Raised in Institutional Environments and Their Relation to Psychopathological Symptoms. Journal of Behavioral and Brain Science, 2018, 08, 519-537.	0.2	1
2632	Self-Organization and Coherency in Biology and Medicine. Open Journal of Biophysics, 2014, 04, 119-146.	0.7	8
2633	Females with schizophrenia have abnormal functional cortical connectivity in the gamma frequency during an auditory oddball task using magnetoencephalography. Open Journal of Psychiatry, 2014, 04, 24-38.	0.2	2
2634	Gamma Oscillation in Schizophrenia. Psychiatry Investigation, 2011, 8, 288.	0.7	45
2635	Controlling Working Memory Operations by Selective Gating: The Roles of Oscillations and Synchrony. Advances in Cognitive Psychology, 2016, 12, 209-232.	0.2	20
2636	Directive Minds: How Dynamics Shapes Cognition. , 2010, , 219-243.		34
2637	Dynamic Coordination in Brain and Mind. , 2010, , 1-24.		26
2638	Cortical network architecture for context processing in primate brain. ELife, 2015, 4, .	2.8	8
2639	Cross-frequency synchronization connects networks of fast and slow oscillations during visual working memory maintenance. ELife, 2016, 5, .	2.8	91
2640	Neural oscillations as a signature of efficient coding in the presence of synaptic delays. ELife, 2016, 5, .	2.8	40
2641	Rotating waves during human sleep spindles organize global patterns of activity that repeat precisely through the night. ELife, $2016, 5, .$	2.8	151
2642	Synchronous beta rhythms of frontoparietal networks support only behaviorally relevant representations. ELife, 2016, 5, .	2.8	72
2643	Speed and segmentation control mechanisms characterized in rhythmically-active circuits created from spinal neurons produced from genetically-tagged embryonic stem cells. ELife, 2017, 6, .	2.8	40
2644	Lamina-specific cortical dynamics in human visual and sensorimotor cortices. ELife, 2018, 7, .	2.8	45

#	Article	IF	CITATIONS
2645	Analogue closed-loop optogenetic modulation of hippocampal pyramidal cells dissociates gamma frequency and amplitude. ELife, $2018, 7, .$	2.8	15
2646	Decoding hierarchical control of sequential behavior in oscillatory EEG activity. ELife, 2018, 7, .	2.8	20
2647	Anatomical and physiological foundations of cerebello-hippocampal interaction. ELife, 2019, 8, .	2.8	85
2648	Surface color and predictability determine contextual modulation of V1 firing and gamma oscillations. ELife, 2019, 8, .	2.8	70
2649	Non-selective inhibition of inappropriate motor-tendencies during response-conflict by a fronto-subthalamic mechanism. ELife, 2019, 8, .	2.8	51
2650	Novel long-range inhibitory nNOS-expressing hippocampal cells. ELife, 2019, 8, .	2.8	25
2651	An image-computable model for the stimulus selectivity of gamma oscillations. ELife, 2019, 8, .	2.8	37
2652	Learning improves decoding of odor identity with phase-referenced oscillations in the olfactory bulb. ELife, 2020, 9, .	2.8	61
2653	The frequency gradient of human resting-state brain oscillations follows cortical hierarchies. ELife, 2020, 9, .	2.8	77
2654	Different theta frameworks coexist in the rat hippocampus and are coordinated during memory-guided and novelty tasks. ELife, 2020, 9, .	2.8	47
2655	EEG-Based Drowsiness Detection With Fuzzy Independent Phase-Locking Value Representations Using Lagrangian-Based Deep Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 101-111.	5.9	10
2656	Precisely timed theta oscillations are selectively required during the encoding phase of memory. Nature Neuroscience, 2021, 24, 1614-1627.	7.1	22
2657	The Effects of Intermittent Theta Burst Stimulation on Functional Brain Network Following Stroke: An Electroencephalography Study. Frontiers in Neuroscience, 2021, 15, 755709.	1.4	15
2658	In vitro Oscillation Patterns Throughout the Hippocampal Formation in a Rodent Model of Epilepsy. Neuroscience, 2021, 479, 1-21.	1.1	6
2661	An Effortful Approach to Social Affiliation in Schizophrenia: Preliminary Evidence of Increased Theta and Alpha Connectivity during a Live Social Interaction. Brain Sciences, 2021, 11, 1346.	1.1	2
2662	A state-informed stimulation approach with real-time estimation of the instantaneous phase of neural oscillations by a Kalman filter. Journal of Neural Engineering, 2021, 18, 066001.	1.8	2
2663	Emulation of Astrocyte Induced Neural Phase Synchrony in Spin-Orbit Torque Oscillator Neurons. Frontiers in Neuroscience, 2021, 15, 699632.	1.4	2
2664	A mechanism for inter-areal coherence through communication based on connectivity and oscillatory power. Neuron, 2021, 109, 4050-4067.e12.	3.8	80

#	Article	IF	CITATIONS
2665	A multivariate phase distribution and its estimation. Frontiers in Systems Neuroscience, 0, 3, .	1.2	O
2666	A Theoretical Framework for Photosensitivity: Evidence of Systemic Regulation. Journal of Computer Science and Systems Biology, 2009, 02, .	0.0	10
2667	Far in Space and Yet in Synchrony: Neuronal Mechanisms for Zero-Lag Long-Range Synchronization. , 2009, , 143-167.		0
2668	BOLD Response and EEG Gamma Oscillations. , 2009, , 465-483.		0
2669	Complex Network Modeling: A New Approach to Neurosciences. , 2009, , 241-263.		1
2670	Cortical Oscillations and Multisensory Interactions in Humans. , 2010, , 71-82.		2
2672	Targeted Path Scanning: An Emerging Method for Recording Fast Changing Network Dynamics across Large Distances. Journal of Bioengineering & Biomedical Science, $2011,01,\ldots$	0.2	1
2673	The Reversal Potential of Inhibitory Synapses Strongly Impacts the Dynamics of Neural Networks. Lecture Notes in Computer Science, 2011, , 100-108.	1.0	0
2674	The Binding Problem and the Dissociated Mind. , 2012, , 49-69.		0
2675	Consciousness and Functional Connectivity. , 2012, , 27-48.		0
2677	Science of self awareness and memory. International Journal of Research Studies in Psychology, 2012, 2, .	0.4	0
2678	Attentional Resources and Control. , 2013, , 69-90.		0
2679	Learning to Make Feelings: Expressive Performance as a Part of a Machine Learning Tool for Sound-Based Emotion Control. Lecture Notes in Computer Science, 2013, , 490-499.	1.0	0
2680	Modulating the Phase Coherence of Neuronal Population Oscillations in the Gamma Band. , 2013, , 475-481.		0
2681	La especializaci \tilde{A}^3 n hemisf \tilde{A} ©rica y la regulaci \tilde{A}^3 n de la conducta motora desde la perspectiva de la neurociencia cognitiva. Salud Mental, 2013, 36, 513.	0.3	1
2683	Brain and Mind. Philosophia Scientiae, 2013, , 71-87.	0.1	1
2685	Performance Comparison of Phase Detectors for the Synchronization Analysis of Electroencephalographic Signal. Journal of the Institute of Electronics and Information Engineers, 2013, 50, 277-284.	0.0	0
2687	Cognitive Decline Associated with Aging, Alzheimer's Disease and Cerebrovascular Risk: Advantages of Dynamic Imaging with MEG. , 2014, , 657-676.		1

#	Article	IF	CITATIONS
2688	Gamma Rhythm, Neural Population Models of the., 2014, , 1-10.		1
2689	Decoding Field Potentials. , 2014, , 1-4.		0
2690	Human Brain Oscillations: From Physiological Mechanisms to Analysis and Cognition. , 2014, , 359-403.		14
2691	Spectral Interdependency Methods. , 2014, , 1-6.		O
2692	Recent Developments in MEG Network Analysis., 2014,, 263-277.		3
2694	A Computational Model of Cortical Pathways Formed with Electroencephalogram Synchronization. Advances in Cognitive Neurodynamics, 2015, , 221-230.	0.1	0
2695	Computation Through Neuronal Oscillations. Lecture Notes in Physics, 2015, , 235-255.	0.3	0
2696	Decoding Field Potentials., 2015,, 965-968.		0
2700	Altered Neural Synchronies Underlying Cognitive Deficits in a Transgenic Mouse Model of Huntington's Disease. , 2016, , 321-335.		0
2704	Causal Interaction Between Prefrontal Cortex and Striatum Estimated by Granger Causality. Advances in Cognitive Neurodynamics, 2016, , 199-205.	0.1	0
2705	Reward-Modulated Functional Connectivity Between Prefrontal Cortex and Striatum. Advances in Cognitive Neurodynamics, 2016, , 225-232.	0.1	0
2706	Alpha Hypersynchrony and Atypical Memory Processes in Soldiers with Post-Traumatic Stress Disorder. Journal of Neuroimaging in Psychiatry & Neurology, 0, , .	0.4	0
2707	Appraising Circuit-Centered Neurophenotypes. Innovations in Cognitive Neuroscience, 2016, , 37-57.	0.3	0
2718	Chapter 22 Gamma abnormalities in autism spectrum disorders. , 2016, , 457-496.		0
2719	Gamma Rhythms and Communication. Texts in Applied Mathematics, 2017, , 333-337.	0.4	0
2720	Experimental Verification of Desynchronization of Neurons via Heterogeneous Inhibitory Connections. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 611-618.	0.2	0
2721	The Phase of Oscillation in Cortical Network and Its Relationship with Firing Rate and Neuronal Activation. , 2017 , , .		0
2747	Awareness on Digital Drugs Abuse and its Applied Prevention among Healthcare Practitioners in KSA. Arab Journal of Forensic Sciences and Forensic Medicine, 2017, 1, .	0.1	2

#	Article	IF	CITATIONS
2751	Repetitive Stimulation Enhances V1 Encoding Efficiency. SSRN Electronic Journal, 0, , .	0.4	0
2752	Non-Selective Suppression of Inappropriate Motor-Tendencies During Response-Conflict by a Fronto-Subthalamic Mechanism for Inhibitory Control. SSRN Electronic Journal, 0, , .	0.4	O
2769	Synchronization Under External Electric Field in a Network with Two-Compartment Models. , 2018, , .		0
2775	Estimating the Topology of Neural Networks from Distributed Observations. , 2018, , .		O
2782	Deep brain stimulation in the obsessive-compulsive syndrome. Current Problems of Psychiatry, 2018, 19, 279-284.	0.1	0
2785	Personal Identification Based on Brain Networks of EEG Signals. International Journal of Applied Mathematics and Computer Science, 2018, 28, 745-757.	1.5	11
2789	Cognitive Decline Associated with Aging, Alzheimer's Disease, and Cerebrovascular Risk: Advantages of Dynamic Imaging with MEG. , 2019, , 1099-1119.		0
2790	Electroencephalogram: Expanded Applications in Clinical and Nonclinical Settings. , 2019, , 221-243.		0
2793	An Introduction to MEG Connectivity Measurements. , 2019, , 433-470.		0
2796	Neural Network Dynamics and Audiovisual Integration. Springer Handbook of Auditory Research, 2019, , 201-220.	0.3	O
2797	Studying Dynamic Neural Interactions with MEG. , 2019, , 519-541.		3
2798	Recent Developments in MEG Network Analysis. , 2019, , 631-645.		1
2799	Cognitive Decline Associated with Aging, Alzheimer's Disease, and Cerebrovascular Risk: Advantages of Dynamic Imaging with MEG. , 2019, , 1-20.		1
2800	An Introduction to MEG Connectivity Measurements. , 2019, , 1-38.		0
2801	Application of MEG in Understanding the Development of Executive and Social Cognitive Functions. , 2019, , 769-798.		0
2802	Studying Dynamic Neural Interactions with MEG. , 2019, , 1-23.		1
2818	Synchronous Oscillations Influenced by Synaptic Dynamics in Visual Cortical Column Model., 2019,,.		0
2836	Effect of Electroacupuncture at GB14 on Brain Activity. Korean Journal of Acupuncture, 2019, 36, 241-251.	0.1	1

#	ARTICLE	IF	CITATIONS
2837	Theta Rhythm in Hippocampus and Cognition. , 2020, , 45-70.		0
2838	A Review of EEG-Neurofeedback. Advances in Psychology, 2020, 10, 465-476.	0.0	1
2854	Resolving the Connectome, Spectrally-Specific Functional Connectivity Networks and Their Distinct Contributions to Behavior. ENeuro, 2020, 7, ENEURO.0101-20.2020.	0.9	6
2855	Mining Temporal Dynamics With Support Vector Machine for Predicting the Neural Fate of Target in Attentional Blink. Frontiers in Systems Neuroscience, 2021, 15, 734660.	1.2	0
2856	Anticipating social incentives recruits alpha-beta oscillations in the human substantia nigra and invigorates behavior across the life span. NeuroImage, 2021, 245, 118696.	2.1	3
2857	Emergency Braking Intention Detect System Based on K-Order Propagation Number Algorithm: A Network Perspective. Brain Sciences, 2021, 11, 1424.	1.1	4
2859	Improved Algorithm for Neuronal Ensemble Inference by Monte Carlo Method. Springer Proceedings in Complexity, 2020, , 77-90.	0.2	0
2861	Oscillations and Synchrony in Attention. , 2020, , 71-97.		0
2864	Nerve Injury Decreases Hyperacute Resting-State Connectivity Between the Anterior Cingulate and Primary Somatosensory Cortex in Anesthetized Rats. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2691-2698.	2.7	3
2866	Subjective Experience and Its Neural Basis. , 2021, , 253-284.		0
2872	OBSOLETE: Entrainment in Human Auditory Cortex: Mechanism and Functions. , 2020, , .		1
2873	Exploring Oscillations in Expert Sensorimotor Anticipation: The Tennis Return of Serve. , 2020, , 3-44.		0
2874	Alterations of Neuronal Dynamics as a Mechanism for Cognitive Impairment in Epilepsy. Current Topics in Behavioral Neurosciences, 2020, , 65-106.	0.8	2
2875	Temporal Coherence: A Versatile Code for the Definition of Relations. , 2020, , 480-486.		0
2878	Magnetoencephalographical Research in Schizophrenia: Current Status and Perspectives. , 2020, , 211-225.		0
2879	Granger causality in the frequency domain: derivation and applications. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	3
2889	Neural Circuits and Symbolic Processing. Neurobiology of Learning and Memory, 2021, 186, 107552.	1.0	6
2892	Intracortical Recordings During Attentional Tasks. , 2009, , 29-49.		2

#	Article	IF	CITATIONS
2893	High-fidelity vibrokinetic stimulation induces sustained changes in intercortical coherence during a cinematic experience. Journal of Neural Engineering, 2020, 17, 046046.	1.8	3
2894	Synchronization and resilience in the Kuramoto white matter network model with adaptive state-dependent delays. Journal of Mathematical Neuroscience, 2020, 10, 16.	2.4	7
2903	Low-frequency rTMS in patients with subacute ischemic stroke: clinical evaluation of short and long-term outcomes and neurophysiological assessment of cortical excitability. Journal of Medicine and Life, 2015, 8, 378-87.	0.4	36
2904	Reduced Dynamic Aperiodic Spectral Slope Marks Atypical Neural Information Processing in Children With Attention Deficit Hyperactivity Disorder. SSRN Electronic Journal, 0, , .	0.4	1
2905	Predictive waves in the autism-schizophrenia continuum: A novel biobehavioral model. Neuroscience and Biobehavioral Reviews, 2022, 132, 1-22.	2.9	24
2906	EEG-based emotion recognition in an immersive virtual reality environment: From local activity to brain network features. Biomedical Signal Processing and Control, 2022, 72, 103349.	3.5	33
2907	Implementation of biohybrid olfactory bulb on a high-density CMOS-chip to reveal large-scale spatiotemporal circuit information. Biosensors and Bioelectronics, 2022, 198, 113834.	5.3	14
2909	<scp>Hippocampal–prefrontal</scp> interactions during spatial d <scp>ecisionâ€making</scp> . Hippocampus, 2022, 32, 38-54.	0.9	16
2910	Investigating Different Levels of Bimanual Interaction With a Novel Motor Learning Task: A Behavioural and Transcranial Alternating Current Stimulation Study. Frontiers in Human Neuroscience, 2021, 15, 755748.	1.0	2
2911	Feedforward and feedback influences through distinct frequency bands between two spiking-neuron networks. Physical Review E, 2021, 104, 054404.	0.8	0
2912	Criticality Creates a Functional Platform for Network Transitions Between Internal and External Processing Modes in the Human Brain. Frontiers in Systems Neuroscience, 2021, 15, 657809.	1.2	9
2914	Lowâ€beta repetitive transcranial magnetic stimulation to human dorsolateral prefrontal cortex during object recognition memory sample presentation, at a taskâ€related frequency observed in local field potentials in homologous macaque cortex, impairs subsequent recollection but not familiarity. European lournal of Neuroscience. 2021. 54. 7918-7945.	1.2	3
2915	Cerebro-cerebellar Connections., 2022, , 1275-1300.		0
2916	Phase response approaches to neural activity models with distributed delay. Biological Cybernetics, 2021, , 1.	0.6	2
2917	Using top-down modulation to optimally balance shared versus separated task representations. Neural Networks, 2022, 146, 256-271.	3.3	5
2918	Learning Curve of a Short-Time Neurofeedback Training: Reflection of Brain Network Dynamics Based on Phase-Locking Value. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1282-1295.	2.6	1
2919	Cerebellar Coordination of Neuronal Communication in Cerebral Cortex. Frontiers in Systems Neuroscience, 2021, 15, 781527.	1.2	20
2920	EEG microstates suggest atypical restingâ€state network activity in highâ€functioning children and adolescents with autism spectrum development. Developmental Science, 2022, 25, e13231.	1.3	15

#	Article	IF	CITATIONS
2921	EEG phase-amplitude coupling to stratify encephalopathy severity in the developing brain. Computer Methods and Programs in Biomedicine, 2022, 214, 106593.	2.6	6
2922	Instruction-based learning: A review. Neuropsychologia, 2022, 166, 108142.	0.7	0
2923	Lower resting brain entropy is associated with stronger task activation and deactivation. NeuroImage, 2022, 249, 118875.	2.1	11
2925	Adaptive deep brain stimulation: Retuning Parkinson's disease. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 184, 273-284.	1.0	11
2926	Traveling waves in the prefrontal cortex during working memory. PLoS Computational Biology, 2022, 18, e1009827.	1.5	37
2927	The Sensory and Motor Components of the Cortical Hierarchy Are Coupled to the Rhythm of the Stomach during Rest. Journal of Neuroscience, 2022, 42, 2205-2220.	1.7	18
2928	Phase synchronization and measure of criticality in a network of neural mass models. Scientific Reports, 2022, 12, 1319.	1.6	9
2930	Out of Rhythm: Compromised Precision of Theta-Gamma Coupling Impairs Associative Memory in Old Age. Journal of Neuroscience, 2022, 42, 1752-1764.	1.7	13
2931	Novel approaches for quantifying beta synchrony in Parkinson's disease. Experimental Brain Research, 2022, 240, 991-1004.	0.7	7
2932	Theta:gamma phase coupling and evoked gamma activity reflect the fidelity of mental templates during memory matching in visual perception. Cerebral Cortex, 2022, 32, 4156-4171.	1.6	3
2933	The fast continuous wavelet transformation (fCWT) for real-time, high-quality, noise-resistant time–frequency analysis. Nature Computational Science, 2022, 2, 47-58.	3.8	39
2934	Gamma Band Oscillations Reflect Sensory and Affective Dimensions of Pain. Frontiers in Neurology, 2021, 12, 695187.	1.1	5
2935	Dependence of Working Memory on Coordinated Activity Across Brain Areas. Frontiers in Systems Neuroscience, 2021, 15, 787316.	1.2	12
2936	Long-Range Amplitude Coupling Is Optimized for Brain Networks That Function at Criticality. Journal of Neuroscience, 2022, 42, 2221-2233.	1.7	17
2937	Dynamic primitives of brain network interaction. NeuroImage, 2022, 250, 118928.	2.1	18
2938	Bihemispheric sensorimotor oscillatory network states determine cortical responses to transcranial magnetic stimulation. Brain Stimulation, 2022, 15, 167-178.	0.7	10
2940	Cortical traveling waves reflect state-dependent hierarchical sequencing of local regions in the human connectome network. Scientific Reports, 2022, 12, 334.	1.6	10
2941	A New Framework to Interpret Individual Inter-Hemispheric Compensatory Communication after Stroke. Journal of Personalized Medicine, 2022, 12, 59.	1.1	9

#	Article	IF	CITATIONS
2942	Neural oscillations track recovery of consciousness in acute traumatic brain injury patients. Human Brain Mapping, 2022, 43, 1804-1820.	1.9	12
2943	The Control of Movements via Motor Gamma Oscillations. Frontiers in Human Neuroscience, 2021, 15, 787157.	1.0	13
2944	The effects of transcranial alternating current stimulation on memory performance in healthy adults: A systematic review. Cortex, 2022, 147, 112-139.	1.1	13
2945	Functional integration of mirror neuron system and sensorimotor cortex under virtual self-actions visual perception. Behavioural Brain Research, 2022, 423, 113784.	1.2	5
2946	Synchronization Through Uncorrelated Noise in Excitatory-Inhibitory Networks. Frontiers in Computational Neuroscience, 2022, 16, 825865.	1.2	0
2947	Null effects of musical groove on cortico-muscular coherence during isometric contraction. Neurolmage Reports, 2022, 2, 100075.	0.5	2
2948	Power spectrum slope confounds estimation of instantaneous oscillatory frequency. NeuroImage, 2022, 250, 118929.	2.1	18
2949	Hurst entropy profiles for Beta Low and Beta High EEG sub-bands Part I: Intragroup comparison Procedia Computer Science, 2022, 199, 1416-1423.	1.2	0
2950	OUP accepted manuscript. Cerebral Cortex, 2022, , .	1.6	0
2952	Alteration of Neural Network Activity With Aging Focusing on Temporal Complexity and Functional Connectivity Within Electroencephalography. Frontiers in Aging Neuroscience, 2022, 14, 793298.	1.7	4
2953	Sports-Related Motor Processing at Different Rates of Force Development. Journal of Motor Behavior, 2022, 54, 588-598.	0.5	0
2954	Cardiac cycle and respiration phase affect responses to the conditioned stimulus in young adults trained in trace eyeblink conditioning. Journal of Neurophysiology, 2022, 127, 767-775.	0.9	7
2956	Integrated Amygdala, Orbitofrontal and Hippocampal Contributions to Reward and Loss Coding Revealed with Human Intracranial EEG. Journal of Neuroscience, 2022, 42, 2756-2771.	1.7	8
2957	Looking through the windows: a study about the dependency of phase-coupling estimates on the data length. Journal of Neural Engineering, 2022, 19, 016039.	1.8	6
2958	<scp>EEG</scp> power spectral measures of cognitive workload: A metaâ€analysis. Psychophysiology, 2022, 59, e14009.	1.2	39
2960	Coherent theta oscillations in the cerebellum and supplementary motor area mediate visuomotor adaptation. Neurolmage, 2022, 251, 118985.	2.1	8
2962	A Machine Learning Approach Involving Functional Connectivity Features to Classify Rest-EEG Psychogenic Non-Epileptic Seizures from Healthy Controls. Sensors, 2022, 22, 129.	2.1	23
2963	Spindle-Shaped Neurons in the Human Posteromedial (Precuneus) Cortex. Frontiers in Synaptic Neuroscience, 2021, 13, 769228.	1.3	7

#	Article	IF	Citations
2964	Harmony in Design: A Synthesis of Literature from Classical Philosophy, the Sciences, Economics, and Design. She Ji, 2022, 8, 5-64.	0.6	5
2965	A Parsimonious Look at Neural Oscillations in Speech Perception. Springer Handbook of Auditory Research, 2022, , 81-111.	0.3	2
2966	Selective V1-to-V4 Communication of Attended Stimuli Mediated by Attentional Effects in V1. SSRN Electronic Journal, $0, , .$	0.4	0
2967	Differential Effects of 10 and 20 Hz Brain Stimulation in Chronic Stroke: A tACS-fMRI Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 455-464.	2.7	6
2970	From mechanisms to functions: The role of theta and gamma coherence in the intrahippocampal circuits. Hippocampus, 2022, 32, 342-358.	0.9	11
2971	Sensitive and reproducible MEG resting-state metrics of functional connectivity in Alzheimer's disease. Alzheimer's Research and Therapy, 2022, 14, 38.	3.0	14
2972	A machine learning approach to characterize sequential movement-related states in premotor and motor cortices. Journal of Neurophysiology, 2022, , .	0.9	1
2973	Complex Pearson Correlation Coefficient for EEG Connectivity Analysis. Sensors, 2022, 22, 1477.	2.1	34
2974	The Predictive Value of Individual Electric Field Modeling for Transcranial Alternating Current Stimulation Induced Brain Modulation. Frontiers in Cellular Neuroscience, 2022, 16, 818703.	1.8	18
2975	EEG-heart rate connectivity changes after sensorimotor rhythm neurofeedback training: Ancillary study. Neurophysiologie Clinique, 2022, 52, 58-68.	1.0	O
2976	Causal Evidence for a Role of Cerebellar Lobulus Simplex in Prefrontal-Hippocampal Interaction in Spatial Working Memory Decision-Making. Cerebellum, 2022, 21, 762-775.	1.4	9
2977	A comparative review of the psychophysiology of attention in typically developing children and children with attention deficit hyperactivity disorder. International Journal of Psychophysiology, 2022, , .	0.5	4
2979	Dissociable oscillatory theta signatures of memory formation in the developing brain. Current Biology, 2022, 32, 1457-1469.e4.	1.8	7
2980	Deficient Recurrent Cortical Processing in Congenital Deafness. Frontiers in Systems Neuroscience, 2022, 16, 806142.	1.2	10
2981	Dynamics of cortical and corticomuscular connectivity during planning and execution of visually guided steps in humans. Cerebral Cortex, 2022, 33, 258-277.	1.6	2
2982	Modeling functional difference between gyri and sulci within intrinsic connectivity networks. Cerebral Cortex, 2023, 33, 933-947.	1.6	8
2984	Preparing for Success: Neural Frontal Theta and Posterior Alpha Dynamics during Action Preparation Predict Flexible Resolution of Cognitive Conflicts. Journal of Cognitive Neuroscience, 2022, 34, 1070-1089.	1.1	9
2985	Cross-Frequency Brain Network Dynamics Support Pitch Change Detection. Journal of Neuroscience, 2022, 42, 3823-3835.	1.7	3

#	Article	IF	CITATIONS
2986	Effects of Pulsed-Wave Chromotherapy and Guided Relaxation on the Theta-Alpha Oscillation During Arrest Reaction. Frontiers in Psychology, 2022, 13, 792872.	1.1	2
2988	<scp>GABA_BR</scp> activation partially normalizes acute <scp>NMDAR</scp> hypofunction oscillatory abnormalities but fails to rescue sensory processing deficits. Journal of Neurochemistry, 2022, 161, 417-434.	2.1	6
2991	Cortical oscillatory dysfunction in Parkinson disease during movement activation and inhibition. PLoS ONE, 2022, 17, e0257711.	1.1	2
2992	In sync with your child: The potential of parent–child electroencephalography in developmental research. Developmental Psychobiology, 2022, 64, e22221.	0.9	15
2993	Metastable dynamics of neural circuits and networks. Applied Physics Reviews, 2022, 9, 011313.	5.5	25
2994	Recent insights into respiratory modulation of brain activity offer new perspectives on cognition and emotion. Biological Psychology, 2022, 170, 108316.	1.1	14
2995	Increases of Phosphorylated Tau (Ser202/Thr205) in the Olfactory Regions Are Associated with Impaired EEG and Olfactory Behavior in Traumatic Brain Injury Mice. Biomedicines, 2022, 10, 865.	1.4	2
2997	Social-Cognitive Network Connectivity in Preterm Children and Relations With Early Nutrition and Developmental Outcomes. Frontiers in Systems Neuroscience, 2022, 16, 812111.	1.2	1
2998	Impact of Effortful Word Recognition on Supportive Neural Systems Measured by Alpha and Theta Power. Ear and Hearing, 2022, Publish Ahead of Print, .	1.0	4
2999	Toward an integrative neurovascular framework for studying brain networks. Neurophotonics, 2022, 9, 032211.	1.7	3
3000	Rhythmic Memory Consolidation in the Hippocampus. Frontiers in Neural Circuits, 2022, 16, 885684.	1.4	8
3001	An interdisciplinary computational model for predicting traumatic brain injury: Linking biomechanics and functional neural networks. NeuroImage, 2022, 251, 119002.	2.1	5
3002	The anterior and centromedian thalamus: Anatomy, function, and dysfunction in epilepsy. Epilepsy Research, 2022, 182, 106913.	0.8	9
3003	Theta and gamma oscillatory dynamics in mouse models of Alzheimer's disease: A path to prospective therapeutic intervention. Neuroscience and Biobehavioral Reviews, 2022, 136, 104628.	2.9	16
3004	Effects of theta transcranial alternating current stimulation (tACS) on exploration and exploitation during uncertain decision-making. Behavioural Brain Research, 2022, 426, 113840.	1.2	8
3005	The neural hierarchy of consciousness: A theoretical model and review on neurophysiology and NCCs. Neuropsychologia, 2022, 169, 108202.	0.7	3
3006	Data and model considerations for estimating time-varying functional connectivity in fMRI. Neurolmage, 2022, 252, 119026.	2.1	8
3007	Directed coupling in multi-brain networks underlies generalized synchrony during social exchange. Neurolmage, 2022, 252, 119038.	2.1	10

#	ARTICLE	IF	Citations
3008	The overlapping modular organization of human brain functional networks across the adult lifespan. NeuroImage, 2022, 253, 119125.	2.1	7
3009	Altered brain network topology during speech tracking in developmental dyslexia. NeuroImage, 2022, 254, 119142.	2.1	2
3010	Comparison of domain specific connectivity metrics for estimation brain network indices in boys with ADHD-C. Biomedical Signal Processing and Control, 2022, 76, 103626.	3.5	6
3011	Transient beta modulates decision thresholds during human action-stopping. NeuroImage, 2022, 254, 119145.	2.1	8
3013	Test–Retest Reliability of Synchrony and Metastability in Resting State fMRI. Brain Sciences, 2022, 12, 66.	1.1	6
3014	Transcranial stimulation of alpha oscillations up-regulates the default mode network. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	29
3017	Resting-State EEG Signal for Major Depressive Disorder Detection: A Systematic Validation on a Large and Diverse Dataset. Biosensors, 2021, 11, 499.	2.3	34
3018	Gamma rhythms in the visual cortex: functions and mechanisms. Cognitive Neurodynamics, 2022, 16, 745-756.	2.3	16
3020	Alpha suppression indexes a spotlight of visual-spatial attention that can shine on both perceptual and memory representations. Psychonomic Bulletin and Review, 2022, 29, 681-698.	1.4	23
3021	Multiple gamma rhythms carry distinct spatial frequency information in primary visual cortex. PLoS Biology, 2021, 19, e3001466.	2.6	24
3022	Control of noise-induced coherent oscillations in three-neuron motifs. Cognitive Neurodynamics, 2022, 16, 941-960.	2.3	7
3023	Sex differences in neuronal systems function and behaviour: beyond a single diagnosis in autism spectrum disorders. Translational Psychiatry, 2021, 11, 625.	2.4	11
3025	The Effect of Deep Micro Vibrotactile Stimulation on Cognitive Function of Mild Cognitive Impairment and Mild Dementia. International Journal of Environmental Research and Public Health, 2022, 19, 3803.	1.2	1
3026	Connectomic Profiles and Cognitive Trajectories After Epilepsy Surgery in Children. Neurology, 2022, 98, .	1.5	3
3028	Altered myelination in youth born with congenital heart disease. Human Brain Mapping, 2022, 43, 3545-3558.	1.9	4
3029	The effect of mental schema evolution on mental workload measurement: an EEG study with simulated quadrotor UAV operation. Journal of Neural Engineering, 2022, 19, 026058.	1.8	10
3030	Differentiating amnestic from non-amnestic mild cognitive impairment subtypes using graph theoretical measures of electroencephalography. Scientific Reports, 2022, 12, 6219.	1.6	8
3031	Is Early Bilingual Experience Associated with Greater Fluid Intelligence in Adults?. Languages, 2022, 7, 100.	0.3	0

#	Article	IF	CITATIONS
3032	Lateralised dynamic modulations of corticomuscular coherence associated with bimanual learning of rhythmic patterns. Scientific Reports, 2022, 12, 6271.	1.6	2
3034	Within and Between Subject Spectral Fingerprints of EEG-Microstate Parameters. Brain Topography, 2022, 35, 277-281.	0.8	7
3068	Saccade-related neural communication in the human medial temporal lobe is modulated by the social relevance of stimuli. Science Advances, 2022, 8, eabl6037.	4.7	14
3069	Electrophysiological connectivity markers of preserved language functions in post-stroke aphasia. NeuroImage: Clinical, 2022, 34, 103036.	1.4	6
3070	Elucidating Brain Function of Attentional States in 3d Virtual Reality Semi-Autonomous Driving Via Univariate and Multivariate Eeg Analysis. SSRN Electronic Journal, 0, , .	0.4	0
3071	Understanding the mechanisms of brain functions from the angle of synchronization and complex network. Frontiers of Physics, 2022, 17, 1.	2.4	20
3072	Mutual information resonances in delay-coupled limit cycle and quasi-cycle brain rhythms. Biological Cybernetics, 2022, 116, 129-146.	0.6	0
3073	Longitudinal study of infants receiving extra motor stimulation, fullâ€term control infants, and infants born preterm: Highâ€density EEG analyses of cortical activity in response to visual motion. Developmental Psychobiology, 2022, 64, .	0.9	2
3074	Effects of beta-band and gamma-band rhythmic stimulation on motor inhibition. IScience, 2022, 25, 104338.	1.9	12
3075	Correlation Between Resting Theta Power and Cognitive Performance in Patients With Schizophrenia. Frontiers in Human Neuroscience, 2022, 16, 853994.	1.0	16
3076	Transient beta activity and cortico-muscular connectivity during sustained motor behaviour. Progress in Neurobiology, 2022, 214, 102281.	2.8	14
3077	The Task Pre-Configuration Is Associated With Cognitive Performance Evidence From the Brain Synchrony. Frontiers in Computational Neuroscience, 2022, 16, .	1.2	1
3078	Mechanisms for Cognitive Impairment in Epilepsy: Moving Beyond Seizures. Frontiers in Neurology, 2022, 13, .	1.1	7
3079	Tonic excitation of nucleus reuniens decreases prefrontalâ€hippocampal coordination during slowâ€wave states. Hippocampus, 2022, 32, 466-477.	0.9	2
3080	Modular Electrode Array for Multiâ€site Extracellular Recordings from Brains of Freely Moving Rodents. Current Protocols, 2022, 2, e399.	1.3	5
3081	Proximal CA1 20–40 Hz power dynamics reflect trial-specific information processing supporting nonspatial sequence memory. ELife, 2022, 11, .	2.8	5
3082	Neocortical localization and thalamocortical modulation of neuronal hyperexcitability contribute to Fragile X Syndrome. Communications Biology, 2022, 5, 442.	2.0	16
3083	The interaction between endogenous GABA, functional connectivity, and behavioral flexibility is critically altered with advanced age. Communications Biology, 2022, 5, 426.	2.0	3

#	ARTICLE	IF	CITATIONS
3084	Reduced Cross-Frequency Coupling and Daytime Sleepiness in Obstructive Sleep Apnea Patients. Biology, 2022, 11, 700.	1.3	4
3085	Theta and gamma hippocampal–neocortical oscillations during the episodic-like memory test: Impairment in epileptogenic rats. Experimental Neurology, 2022, 354, 114110.	2.0	4
3086	Locality in Language and Locality in Brain Oscillatory Structures. Biolinguistics, 0, 9, 074-095.	0.6	6
3088	Phase-locking patterns underlying effective communication in exact firing rate models of neural networks. PLoS Computational Biology, 2022, 18, e1009342.	1.5	6
3090	Absence of dynamic neural oscillatory response to environmental conditions marks childhood attention deficit hyperactivity disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2022, 63, 1615-1621.	3.1	5
3092	Multiscale and Extended Retrieval of Associative Memory Structures in a Cortical Model of Local-Global Inhibition Balance. ENeuro, 2022, 9, ENEURO.0023-22.2022.	0.9	2
3094	Changes in Spontaneous and Odorant-Induced Single-Unit Activity of Mitral/Tufted Neurons of the Rat Olfactory Bulb During Xylazine-Tiletamine-Zolazepam Anesthesia. SSRN Electronic Journal, 0, , .	0.4	0
3096	Neural network involvement for religious experiences in worship measured by EEG microstate analysis. Social Neuroscience, 2022, 17, 258-275.	0.7	5
3099	The expanding horizons of network neuroscience: From description to prediction and control. Neurolmage, 2022, 258, 119250.	2.1	11
3106	Neuro-anatomie morphologique et fonctionnelle. , 2021, , e1-e168.		0
3108	Linking α-synuclein-induced synaptopathy and neural network dysfunction in early Parkinson's disease. Brain Communications, 2022, 4, .	1.5	14
3109	Recognizing the individualized sensorimotor loop of stroke patients during BMI-supported rehabilitation training based on brain functional connectivity analysis. Journal of Neuroscience Methods, 2022, , 109658.	1.3	6
3110	Multiple functions of the angular gyrus at high temporal resolution. Brain Structure and Function, 2023, 228, 7-46.	1.2	12
3111	Brain morphometric similarity and flexibility. Cerebral Cortex Communications, 2022, 3, .	0.7	2
3112	The Use of Reduced Models to Generate Irregular, Broad-Band Signals That Resemble Brain Rhythms. Frontiers in Computational Neuroscience, $0,16,.$	1.2	1
3114	The global neuronal workspace as a broadcasting network. Network Neuroscience, 2022, 6, 1186-1204.	1.4	1
3115	Cross-frequency coupling of frontal theta and posterior alpha is unrelated to the fidelity of visual long-term memory encoding. Visual Cognition, 2022, 30, 379-392.	0.9	1
3116	Functional changes in brain oscillations in dementia: a review. Reviews in the Neurosciences, 2023, 34, 25-47.	1.4	9

#	Article	IF	Citations
3117	Evolution of Cortical Functional Networks in Healthy Infants. Frontiers in Network Physiology, 0, 2, .	0.8	1
3118	Spike–Gamma Phase Relationship in the Visual Cortex. Annual Review of Vision Science, 2022, 8, 361-381.	2.3	4
3119	Anticipation across modalities in children and adults: Relating anticipatory alpha rhythm lateralization, reaction time, and executive function. Developmental Science, 0, , .	1.3	2
3120	Auditory Target Detection Enhances Visual Processing and Hippocampal Functional Connectivity. Frontiers in Psychology, 0, 13, .	1.1	7
3121	Rapid Spectral Dynamics in Hippocampal Oscillons. Frontiers in Computational Neuroscience, 0, 16, .	1.2	0
3122	Phase offset determines alpha modulation of gamma phase coherence and hence signal transmission. BioSystems, 2022, 219, 104729.	0.9	2
3123	Spectral Interdependency Methods. , 2022, , 3216-3221.		0
3124	Gamma Rhythm, Neural Population Models of the. , 2022, , 1489-1496.		0
3125	After Effects of Frontoparietal Theta tACS on Verbal Working Memory: Behavioral and Neurophysiological Analysis. SSRN Electronic Journal, 0, , .	0.4	0
3126	Decoding Field Potentials. , 2022, , 1158-1160.		0
3127	Emotion Recognition Using Dynamic Graph Metrics Based on Functional Integration and Separation of EEG Brain Network. SSRN Electronic Journal, 0, , .	0.4	0
3128	Feasibility of EEG Phase-Amplitude Coupling to Stratify Encephalopathy Severity in Neonatal HIE Using Short Time Window. Brain Sciences, 2022, 12, 854.	1.1	3
3129	Detection of Transcranial Alternating Current Stimulation Aftereffects Is Improved by Considering the Individual Electric Field Strength and Self-Rated Sleepiness. Frontiers in Neuroscience, 0, 16, .	1.4	5
3130	May the 4C's be with you: an overview of complexity-inspired frameworks for analysing resting-state neuroimaging data. Journal of the Royal Society Interface, 2022, 19, .	1.5	9
3131	EEG Resting-State Functional Networks in Amnestic Mild Cognitive Impairment. Clinical EEG and Neuroscience, 2023, 54, 36-50.	0.9	7
3133	Targeting the frontoparietal network using bifocal transcranial alternating current stimulation during a motor sequence learning task in healthy older adults. Brain Stimulation, 2022, 15, 968-979.	0.7	14
3134	FiNN: A toolbox for neurophysiological network analysis. Network Neuroscience, 2022, 6, 1205-1218.	1.4	3
3135	Enhancement of the neural response during 40ÂHz auditory entrainment in closed-eye state in human prefrontal region. Cognitive Neurodynamics, 2023, 17, 399-410.	2.3	10

#	Article	IF	CITATIONS
3136	Epilepsy disrupts hippocampal phase precision and impairs working memory. Epilepsia, 2022, 63, 2583-2596.	2.6	5
3137	Tuning Neural Synchronization: The Role of Variable Oscillation Frequencies in Neural Circuits. Frontiers in Systems Neuroscience, 0, 16 , .	1.2	4
3138	Neural Oscillations in Aversively Motivated Behavior. Frontiers in Behavioral Neuroscience, 0, 16, .	1.0	12
3139	Neural Underpinnings of Proactive and Preemptive Adjustments of Action Control. Journal of Cognitive Neuroscience, 2022, 34, 1590-1615.	1.1	8
3140	Theory of the Multiregional Neocortex: Large-Scale Neural Dynamics and Distributed Cognition. Annual Review of Neuroscience, 2022, 45, 533-560.	5.0	30
3142	Advances in human intracranial electroencephalography research, guidelines and good practices. Neurolmage, 2022, 260, 119438.	2.1	50
3143	Qualia and Phenomenal Consciousness Arise From the Information Structure of an Electromagnetic Field in the Brain. Frontiers in Human Neuroscience, $0,16,.$	1.0	5
3144	Synchrony in directed connectomes. Europhysics Letters, 0, , .	0.7	1
3145	Developing control-theoretic objectives for large-scale brain dynamics and cognitive enhancement. Annual Reviews in Control, 2022, 54, 363-376.	4.4	3
3146	Spatially bivariate EEG-neurofeedback can manipulate interhemispheric inhibition. ELife, 0, 11 , .	2.8	8
3147	Classifying oscillatory brain activity associated with Indian Rasas using network metrics. Brain Informatics, 2022, 9, .	1.8	3
3148	Alternations in neural oscillation related to attention network reveal influence of indoor toluene on cognition at low concentration. Indoor Air, 2022, 32, .	2.0	6
3149	Theta-Phase Connectivity between Medial Prefrontal and Posterior Areas Underlies Novel Instructions Implementation. ENeuro, 2022, 9, ENEURO.0225-22.2022.	0.9	4
3152	Brain potential responses involved in decision-making in weightlessness. Scientific Reports, 2022, 12, .	1.6	5
3153	The Spatial Reach of Neuronal Coherence and Spike-Field Coupling across the Human Neocortex. Journal of Neuroscience, 2022, 42, 6285-6294.	1.7	5
3154	Evaluating interhemispheric connectivity during midline object recognition using EEG. PLoS ONE, 2022, 17, e0270949.	1.1	1
3155	Amygdala and anterior insula control the passage from nociception to pain. Cerebral Cortex, 2023, 33, 3538-3547.	1.6	4
3156	Rapid adaptation of predictive models during language comprehension: Aperiodic EEG slope, individual alpha frequency and idea density modulate individual differences in real-time model updating. Frontiers in Psychology, 0, 13, .	1.1	11

#	Article	IF	CITATIONS
3158	Learning shifts the preferred theta phase of gamma oscillations in <scp>CA1</scp> . Hippocampus, 2022, 32, 695-704.	0.9	1
3159	â€~Are these my thoughts?': A 20-year prospective study of thought insertion, thought withdrawal, thought broadcasting, and their relationship to auditory verbal hallucinations. Schizophrenia Research, 2024, 265, 46-57.	1.1	4
3160	Rewiring Cortico-Muscular Control in the Healthy and Poststroke Human Brain with Proprioceptive Î ² -Band Neurofeedback. Journal of Neuroscience, 2022, 42, 6861-6877.	1.7	8
3161	Human electromagnetic and haemodynamic networks systematically converge in unimodal cortex and diverge in transmodal cortex. PLoS Biology, 2022, 20, e3001735.	2.6	27
3162	Increasing interhemispheric connectivity between human visual motion areas uncovers asymmetric sensitivity to horizontal motion. Current Biology, 2022, 32, 4064-4070.e3.	1.8	15
3163	Neural and cognitive function in a pediatric brain injury model: The impact of task complexity. Cortex, 2022, 155, 307-321.	1.1	0
3165	Thalamocortical Circuitry Matters. , 2022, , 71-90.		2
3166	Challenges and new perspectives of developmental cognitive EEG studies. NeuroImage, 2022, 260, 119508.	2.1	6
3167	Temporally stable beta sensorimotor oscillations and corticomuscular coupling underlie force steadiness. Neurolmage, 2022, 261, 119491.	2.1	1
3168	Structural and functional network mechanisms of rescuing cognitive control in aging. Neurolmage, 2022, 262, 119547.	2.1	8
3169	Enhanced temporal complexity of EEG signals in older individuals with high cognitive functions. Frontiers in Neuroscience, 0, 16, .	1.4	4
3170	The decoupling of structural and functional connectivity of auditory networks in individuals at clinical high-risk for psychosis. World Journal of Biological Psychiatry, 2023, 24, 387-399.	1.3	0
3171	Electroencephalographic hallmarks of Alzheimer's disease. International Journal of Psychophysiology, 2022, 181, 85-94.	0.5	4
3172	Enjoying others' distress and indifferent to threat? Changes in prefrontal-posterior coupling during social-emotional processing are linked to malevolent creativity. Brain and Cognition, 2022, 163, 105913.	0.8	3
3173	More creative ideas are associated with increased right posterior power and frontal-parietal/occipital coupling in the upper alpha band: A within-subjects study. International Journal of Psychophysiology, 2022, 181, 95-103.	0.5	8
3174	Changes in spontaneous and odorant-induced single-unit activity of mitral/tufted neurons of the rat olfactory bulb during xylazine-tiletamine-zolazepam anesthesia. IBRO Neuroscience Reports, 2022, 13, 207-214.	0.7	0
3175	Midfrontal theta is associated with errors, but no evidence for a link with error-related memory. NeuroImage Reports, 2022, 2, 100129.	0.5	1
3176	Shared and Task-Specific Phase Coding Characteristics of Gamma- and Theta-Bands in Speech Perception and Covert Speech. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	CITATIONS
3177	Understanding Harmonic Structures Through Instantaneous Frequency. IEEE Open Journal of Signal Processing, 2022, 3, 320-334.	2.3	1
3178	Reward-Based Learning and Emotional Habit Formation in the Cerebellum. Advances in Experimental Medicine and Biology, 2022, , 125-140.	0.8	3
3179	Effect of music stimuli on corticomuscular coupling and the brain functional connectivity network. Biomedical Signal Processing and Control, 2023, 79, 104264.	3.5	2
3180	A Pursuit of the Degree of Nonlinearity for \hat{l}^2 Oscillations under Motor Imagery. , 2022, , .		0
3181	Oxytocin impacts top-down and bottom-up social perception in adolescents with ASD: a MEG study of neural connectivity. Molecular Autism, 2022, 13, .	2.6	5
3182	How critical is brain criticality?. Trends in Neurosciences, 2022, 45, 820-837.	4.2	79
3183	Therapeutic Neuromodulation toward a Critical State May Serve as a General Treatment Strategy. Biomedicines, 2022, 10, 2317.	1.4	0
3184	Abnormal Cross Frequency Coupling of Brain Electroencephalographic Oscillations Related to Visual Oddball Task in Parkinson's Disease with Mild Cognitive Impairment. Clinical EEG and Neuroscience, 2023, 54, 379-390.	0.9	4
3185	Amygdala and hippocampus dialogue with neocortex during human sleep and wakefulness. Sleep, 2023, 46, .	0.6	2
3186	A Hidden Markov Model reveals magnetoencephalography spectral frequency-specific abnormalities of brain state power and phase-coupling in neuropathic pain. Communications Biology, 2022, 5, .	2.0	6
3187	High-resolution optogenetics in space and time. Trends in Neurosciences, 2022, 45, 854-864.	4.2	7
3188	A neurodynamic model of inter-brain coupling in the gamma band. Journal of Neurophysiology, 2022, 128, 1085-1090.	0.9	4
3189	Distinct interacting cortical networks for stimulus-response and repetition-suppression. Communications Biology, 2022, 5, .	2.0	0
3191	Impaired Brain Information Transmission Efficiency and Flexibility in Parkinson's Disease and Rapid Eye Movement Sleep Behavior Disorder: Evidence from Functional Connectivity and Functional Dynamics. Parkinson's Disease, 2022, 2022, 1-10.	0.6	0
3193	Hippocampal-Prefrontal Î, Coupling Develops as Mice Become Proficient in Associative Odorant Discrimination Learning. ENeuro, 2022, 9, ENEURO.0259-22.2022.	0.9	2
3194	Baclofen-associated neurophysiologic target engagement across species in fragile X syndrome. Journal of Neurodevelopmental Disorders, 2022, 14, .	1.5	7
3195	Concussion Prone Scenarios: A Multi-Dimensional Exploration in Impact Directions, Brain Morphology, and Network Architectures Using Computational Models. Annals of Biomedical Engineering, 2022, 50, 1423-1436.	1.3	3
3196	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
3197	Heterogeneous mechanisms for synchronization of networks of resonant neurons under different E/I balance regimes. Frontiers in Network Physiology, $0, 2, .$	0.8	2
3198	A role for the claustrum in cognitive control. Trends in Cognitive Sciences, 2022, 26, 1133-1152.	4.0	15
3199	Neural synchrony in cortical networks: mechanisms and implications for neural information processing and coding. Frontiers in Integrative Neuroscience, 0, 16, .	1.0	3
3200	Spontaneous activity patterns in human motor cortex replay evoked activity patterns for hand movements. Scientific Reports, 2022, 12, .	1.6	4
3201	Breathing modulates gamma synchronization across species. Pflugers Archiv European Journal of Physiology, 2023, 475, 49-63.	1.3	6
3203	Visual cortex encodes timing information in humans and mice. Neuron, 2022, 110, 4194-4211.e10.	3.8	5
3204	Structure-function clustering in weighted brain networks. Scientific Reports, 2022, 12, .	1.6	2
3205	Flexible patterns of information transfer in frustrated networks of phase oscillators. Nonlinear Dynamics, 0, , .	2.7	1
3206	The role of aberrant neural oscillations in the hippocampal-medial prefrontal cortex circuit in neurodevelopmental and neurological disorders. Neurobiology of Learning and Memory, 2022, 195, 107683.	1.0	3
3207	Lexicality-Modulated Influence of Auditory Cortex on Subthalamic Nucleus During Motor Planning for Speech. Neurobiology of Language (Cambridge, Mass), 2023, 4, 53-80.	1.7	1
3208	Editorial: Investigation of brain functional connectivity from electroencephalogram data. Frontiers in Physiology, 0, 13 , .	1.3	0
3209	Amplitude modulating frequency overrides carrier frequency in <scp>tACS</scp> â€induced phosphene percept. Human Brain Mapping, 2023, 44, 914-926.	1.9	2
3210	Micro-scale functional modules in the human temporal lobe. Nature Communications, 2022, 13, .	5.8	1
3213	Spontaneous neuronal avalanches as a correlate of access consciousness. Frontiers in Psychology, 0, 13, .	1.1	4
3215	Universal Lifespan Trajectories of Source-Space Information Flow Extracted from Resting-State MEG Data. Brain Sciences, 2022, 12, 1404.	1.1	0
3216	Aftereffects of frontoparietal theta tACS on verbal working memory: Behavioral and neurophysiological analysis. IBRO Neuroscience Reports, 2022, 13, 469-477.	0.7	7
3217	Interference of unilateral lower limb amputation on motor imagery rhythm and remodeling of sensorimotor areas. Frontiers in Human Neuroscience, 0, 16, .	1.0	1
3219	Cardiorespiratory rhythms, brain oscillatory activity and cognition: review of evidence and proposal for significance. Neuroscience and Biobehavioral Reviews, 2022, 142, 104908.	2.9	8

#	Article	IF	CITATIONS
3220	Are you an empiricist or a believer? Neural signatures of predictive strategies in humans. Progress in Neurobiology, 2022, 219, 102367.	2.8	13
3221	Investigating dynamic causal network with unified Granger causality analysis. Journal of Neuroscience Methods, 2023, 383, 109720.	1.3	3
3222	A Method for Using Neurofeedback to Guide Mental Imagery for Improving Motor Skill. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 130-138.	2.7	3
3224	The role of aperiodic spectral slope in event-related potentials and cognition among children with and without attention deficit hyperactivity disorder. Journal of Neurophysiology, 2022, 128, 1546-1554.	0.9	9
3225	Stable, interactive modulation of neuronal oscillations produced through brain-machine equilibrium. Cell Reports, 2022, 41, 111616.	2.9	13
3226	Learning at your brain's rhythm: individualized entrainment boosts learning for perceptual decisions. Cerebral Cortex, 2023, 33, 5382-5394.	1.6	3
3227	Simultaneous transcranial electrical and magnetic stimulation boost gamma oscillations in the dorsolateral prefrontal cortex. Scientific Reports, 2022, 12, .	1.6	9
3228	From correlation to communication: Disentangling hidden factors from functional connectivity changes. Network Neuroscience, 0, , 1-42.	1.4	0
3229	Action experience in infancy predicts visualâ€motor functional connectivity during action anticipation. Developmental Science, 0, , .	1.3	0
3230	Recognizing intertwined patterns using a network of spiking pattern recognition platforms. Scientific Reports, 2022, 12, .	1.6	2
3231	Multistage classification identifies altered cortical phase- and amplitude-coupling in Multiple Sclerosis. Neurolmage, 2022, 264, 119752.	2.1	0
3233	Normalized compression distance to measure cortico-muscular synchronization. Frontiers in Neuroscience, 0, 16 , .	1.4	1
3234	Toward the Identification of Neurophysiological Biomarkers for Alzheimer's Disease in Down Syndrome: A Potential Role for Cross-Frequency Phase-Amplitude Coupling Analysis. , 2022, .		2
3235	Remote synchronization in multi-layered community networks with star-like topology. Chaos, Solitons and Fractals, 2023, 166, 112893.	2.5	6
3236	Coherence resonance in neural networks: Theory and experiments. Physics Reports, 2023, 1000, 1-57.	10.3	16
3237	Golden rhythms as a theoretical framework for cross-frequency organization. Neurons, Behavior, Data Analysis, and Theory, 0, 1 , .	1.8	3
3238	Inter-areal transmission of multiple neural signals through frequency-division-multiplexing communication. Cognitive Neurodynamics, 0, , .	2.3	1
3239	The music of the hemispheres: Cortical eigenmodes as a physical basis for large-scale brain activity and connectivity patterns. Frontiers in Human Neuroscience, 0, 16, .	1.0	3

#	Article	IF	CITATIONS
3240	Phase Analysis of Event-Related Potentials Based on Dynamic Mode Decomposition. Mathematics, 2022, 10, 4406.	1.1	1
3241	Propofol modulates neural dynamics of thalamo-cortical system associated with anesthetic levels in rats. Cognitive Neurodynamics, 0, , .	2.3	1
3242	Evaluating the Alterations Induced by Virtual Reality in Cerebral Small-World Networks Using Graph Theory Analysis with Electroencephalography. Brain Sciences, 2022, 12, 1630.	1.1	1
3243	An update on the use of gamma (multi)sensory stimulation for Alzheimer's disease treatment. Frontiers in Aging Neuroscience, 0, 14, .	1.7	12
3244	Human hippocampal responses to network intracranial stimulation vary with theta phase. ELife, $0,11,.$	2.8	4
3246	Two-dimensional materials for bio-realistic neuronal computing networks. Matter, 2022, 5, 4133-4152.	5.0	10
3247	What neural oscillations can and cannot do for syntactic structure building. Nature Reviews Neuroscience, 2023, 24, 113-128.	4.9	14
3249	A Method for Estimating Longitudinal Change in Motor Skill from Individualized Functional-Connectivity Measures. Sensors, 2022, 22, 9857.	2.1	0
3250	Beta rhythmicity in human motor cortex reflects neural population coupling that modulates subsequent finger coordination stability. Communications Biology, 2022, 5, .	2.0	3
3251	Modulation of EEG theta by naturalistic social content is not altered in infants with family history of autism. Scientific Reports, 2022, 12, .	1.6	2
3252	Reconstructing sources location of visual color cortex by the task-irrelevant visual stimuli through machine learning decoding. Heliyon, 2022, 8, e12287.	1.4	0
3253	Theta and gamma oscillations in the rat hippocampus support the discrimination of object displacement in a recognition memory task. Frontiers in Behavioral Neuroscience, $0,16,.$	1.0	6
3254	Binary operations on neuromorphic hardware with application to linear algebraic operations and stochastic equations. Neuromorphic Computing and Engineering, 2023, 3, 014002.	2.8	1
3256	Nine insights from internet engineering that help us understand brain network communication. Frontiers in Computer Science, 0, 4, .	1.7	0
3257	Revealing the neurobiology underlying interpersonal neural synchronization with multimodal data fusion. Neuroscience and Biobehavioral Reviews, 2023, 146, 105042.	2.9	7
3258	Neurophysiological assessment of cortical activity in DEPDC5- and NPRL3-related epileptic mTORopathies. Orphanet Journal of Rare Diseases, 2023, 18 , .	1.2	O
3259	Neurophysiological principles of inhibitory control processes during cognitive flexibility. Cerebral Cortex, 0, , .	1.6	2
3260	Theta tACS impairs episodic memory more than tDCS. Scientific Reports, 2023, 13, .	1.6	2

#	Article	IF	Citations
3261	Long-term memory, synaptic plasticity and dopamine in rodent medial prefrontal cortex: Role in executive functions. Frontiers in Behavioral Neuroscience, $0, 16, \ldots$	1.0	8
3262	Stimulationâ€induced entrainment of hippocampal network activity: Identifying optimal input frequencies. Hippocampus, 2023, 33, 85-95.	0.9	0
3263	Synapse-Specific Modulation of Synaptic Responses by Brain States in Hippocampal Pathways. Journal of Neuroscience, 2023, 43, 1191-1210.	1.7	2
3264	Precise Spiking Motifs in Neurobiological and Neuromorphic Data. Brain Sciences, 2023, 13, 68.	1.1	3
3265	EEG emotion recognition based on PLV-rich-club dynamic brain function network. Applied Intelligence, 2023, 53, 17327-17345.	3.3	4
3266	A QE Study on Golf Putting. Korean Journal of Sport Science, 2022, 33, 601-611.	0.0	0
3268	Theta power and functional connectivity as neurophysiological markers of executive functions in individuals with cognitive complaints in daily life. Biological Psychology, 2023, 178, 108503.	1.1	1
3269	Associations between spontaneous electroencephalogram oscillations and oxygen saturation across normobaric and hypobaric hypoxia. Human Brain Mapping, 2023, 44, 2345-2364.	1.9	2
3270	A meta-analysis showing improved cognitive performance in healthy young adults with transcranial alternating current stimulation. Npj Science of Learning, 2023, 8, .	1.5	6
3271	Resolving equivocal gain modulation of corticospinal excitability. NeuroImage, 2023, 269, 119891.	2.1	3
3272	Maximizing the potential of EEG as a developmental neuroscience tool. Developmental Cognitive Neuroscience, 2023, 60, 101201.	1.9	4
3273	Perception of Prosody in Hearing-Impaired Individuals and Users of Hearing Assistive Devices: An Overview of Recent Advances. Journal of Speech, Language, and Hearing Research, 2023, 66, 775-789.	0.7	1
3275	Atypical cortical processing of bottom-up speech binding cues in children with autism spectrum disorders. Neurolmage: Clinical, 2023, 37, 103336.	1.4	1
3276	Towards a systematization of brain oscillatory activity in actions. Communications Biology, 2023, 6, .	2.0	19
3277	A unified neural account of contextual and individual differences in altruism. ELife, 0, 12, .	2.8	3
3278	Uncovering the organization of neural circuits with Generalized Phase Locking Analysis. PLoS Computational Biology, 2023, 19, e1010983.	1.5	1
3279	Targeted rhythmic visual stimulation at individual participants' intrinsic alpha frequency causes selective increase of occipitoparietal BOLD-fMRI and EEG functional connectivity. NeuroImage, 2023, 270, 119981.	2.1	2
3280	Coherence fails to reliably capture inter-areal interactions in bidirectional neural systems with transmission delays. NeuroImage, 2023, 271, 119998.	2.1	3

#	Article	IF	CITATIONS
3281	Community-Derived Core Concepts for Neuroscience Higher Education. CBE Life Sciences Education, 2023, 22, .	1.1	1
3282	Effective networks mediate right hemispheric dominance of human 40ÂHz auditory steady-state response Neuropsychologia, 2023, 184, 108559.	0.7	1
3284	Rhythmic attentional scanning. Neuron, 2023, 111, 954-970.	3.8	17
3285	Oscillations in the dentate gyrus as a tool for the performance of the hippocampal functions: Healthy and epileptic brain. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2023, 125, 110759.	2.5	0
3286	Human single neuron recordings. , 2024, , .		0
3287	High-fidelity transmission of auditory symbolic material is associated with reduced right–left neuroanatomical asymmetry between primary auditory regions. Cerebral Cortex, 2023, 33, 6902-6916.	1.6	2
3288	Effects of breathing pathway and musical features on the processing of music induced emotions. Neuroscience Informatics, 2023, 3, 100117.	2.8	0
3289	Shared and task-specific phase coding characteristics of gamma- and theta-bands in speech perception and covert speech. Speech Communication, 2023, 147, 63-73.	1.6	0
3291	Noise-modulated multistable synapses in a Wilson-Cowan-based model of plasticity. Frontiers in Computational Neuroscience, $0,17,.$	1.2	1
3292	Thalamic neuromodulation in epilepsy: A primer for emerging circuit-based therapies. Expert Review of Neurotherapeutics, 2023, 23, 123-140.	1.4	1
3293	Hierarchy of Intra- and Cross-modal Redundancy Gains in Visuo-tactile Search: Evidence from the Posterior Contralateral Negativity. Journal of Cognitive Neuroscience, 2023, 35, 543-570.	1.1	2
3294	Frequency matters: how changes in hippocampal theta frequency can influence temporal coding, anxiety-reduction, and memory. Frontiers in Systems Neuroscience, 0, 16, .	1.2	2
3296	Emergent Low-Frequency Activity in Cortico-Cerebellar Networks with Motor Skill Learning. ENeuro, 2023, 10, ENEURO.0011-23.2023.	0.9	1
3299	Power and distribution of evoked gamma oscillations in brain aging and cognitive performance. GeroScience, 2023, 45, 1523-1538.	2.1	2
3300	Limited Consistency and Strength of Neural Oscillations During Sustained Visual Attention in Schizophrenia. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2024, 9, 337-345.	1,1	2
3301	Functional connectivity and gray matter deficits within the auditory attention circuit in first-episode psychosis. Frontiers in Psychiatry, 0, 14 , .	1.3	1
3303	Functional connectivity fingerprints of the frontal eye field and inferior frontal junction suggest spatial versus nonspatial processing in the prefrontal cortex. European Journal of Neuroscience, 2023, 57, 1114-1140.	1.2	3
3305	Analysis of the Local Dynamics of Interictal Discharge Propagation Using a Traveling Wave Model. Neuroscience and Behavioral Physiology, 0, , .	0.2	0

#	Article	IF	Citations
3306	Paranormal believers show reduced resting EEG beta band oscillations and inhibitory control than skeptics. Scientific Reports, 2023, 13, .	1.6	3
3307	Effects of the radio electric asymmetric conveyer (REAC) on motor disorders: An integrative review. Frontiers in Medical Technology, 0, 5, .	1.3	3
3308	TMS-Induced Modulation of EEG Functional Connectivity Is Affected by the E-Field Orientation. Brain Sciences, 2023, 13, 418.	1.1	3
3309	Functional connectivity changes during working memory in autism spectrum disorder: A two-year longitudinal MEG study. Neurolmage: Clinical, 2023, 37, 103364.	1.4	1
3310	Cognitive and Neuropathophysiological Outcomes of Gamma-tACS in Dementia: A Systematic Review. Neuropsychology Review, 2024, 34, 338-361.	2.5	6
3313	Mismatch Negativity and Theta Oscillations Evoked by Auditory Deviance in Early Schizophrenia. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 1186-1196.	1.1	1
3314	Aperiodic neural activity reflects metacontrol. Cerebral Cortex, 2023, 33, 7941-7951.	1.6	5
3316	Electrocorticographic Activation Patterns of Electroencephalographic Microstates. Brain Topography, 2024, 37, 287-295.	0.8	8
3317	Locus coeruleus noradrenergic neurons phase-lock to prefrontal and hippocampal infra-slow rhythms that synchronize to behavioral events. Frontiers in Cellular Neuroscience, 0, 17, .	1.8	2
3318	Neural Activity and Oscillations as Biological Markers in Traumatic Brain Injury. Biomarkers in Disease, 2023, , 993-1012.	0.0	0
3319	The little brain and the seahorse: Cerebellar-hippocampal interactions. Frontiers in Systems Neuroscience, 0, 17, .	1.2	4
3320	Resting State Dynamics in People with Varying Degrees of Anxiety and Mindfulness: A Nonlinear and Nonstationary Perspective. Neuroscience, 2023, 519, 177-197.	1.1	0
3322	Pattern dynamics and stochasticity of the brain rhythms. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	2
3323	Intermittent theta burst stimulation vs. high-frequency repetitive transcranial magnetic stimulation for post-stroke cognitive impairment: Protocol of a pilot randomized controlled double-blind trial. Frontiers in Neuroscience, 0, 17, .	1.4	2
3324	Cerebellar control of thalamocortical circuits for cognitive function: A review of pathways and a proposed mechanism. Frontiers in Systems Neuroscience, 0, 17, .	1.2	3
3327	Principles of large-scale neural interactions. Neuron, 2023, 111, 987-1002.	3.8	21
3328	Over and above frequency: Gamma oscillations as units of neural circuit operations. Neuron, 2023, 111, 936-953.	3.8	22
3329	Solving the binding problem: Assemblies form when neurons enhance their firing rateâ€"they don't need to oscillate or synchronize. Neuron, 2023, 111, 1003-1019.	3.8	9

#	ARTICLE	IF	CITATIONS
3330	Aerobic exercise and action observation priming modulate functional connectivity. PLoS ONE, 2023, 18, e0283975.	1.1	1
3333	The spectral dynamics of visual awareness: An interplay of different frequencies?. European Journal of Neuroscience, 2023, 57, 2136-2148.	1.2	3
3334	Functional Connectivity ofÂtheÂBrain While Solving Scientific Problems withÂUncertainty asÂRevealed byÂPhase Synchronization Based onÂHilbert Transform. Communications in Computer and Information Science, 2023, , 278-289.	0.4	0
3337	BOLD-Response and EEG Gamma Oscillations. , 2022, , 641-661.		0
3340	Cross-Frequency Coupling and Intelligent Neuromodulation. Cyborg and Bionic Systems, 2023, 4, .	3.7	10
3391	How Technology Is Changing Creativity. , 2023, , 391-412.		0
3398	Neural Oscillations in EEG and MEG. Neuromethods, 2023, , 241-284.	0.2	0
3399	Fundamentals of Electroencephalography and Magnetoencephalography. Neuromethods, 2023, , 163-194.	0.2	0
3417	Interoceptive rhythms in the brain. Nature Neuroscience, 2023, 26, 1670-1684.	7.1	9
3428	What Do ECoG Recordings Tell Us About Intracortical Action Potentials?. Studies in Neuroscience, Psychology and Behavioral Economics, 2023, , 283-295.	0.1	1
3429	How Can We Differentiate Narrow-Band Oscillations from Aperiodic Activity?. Studies in Neuroscience, Psychology and Behavioral Economics, 2023, , 351-364.	0.1	3
3430	How Can I Combine Data from fMRI, EEG, and Intracranial EEG?. Studies in Neuroscience, Psychology and Behavioral Economics, 2023, , 239-256.	0.1	1
3431	Which Rhythms Reflect Bottom-Up and Top-Down Processing?. Studies in Neuroscience, Psychology and Behavioral Economics, 2023, , 389-414.	0.1	0
3432	How Can We Use Simultaneous Microwire Recordings from Multiple Areas to Investigate Inter-Areal Interactions?. Studies in Neuroscience, Psychology and Behavioral Economics, 2023, , 719-737.	0.1	0
3433	How Can I Analyze Large-Scale Intrinsic Functional Networks with iEEG?. Studies in Neuroscience, Psychology and Behavioral Economics, 2023, , 539-556.	0.1	0
3440	Differential effects of slow deep inhalation and exhalation on brain functional connectivity., 2023,,.		0
3447	Neuromorphic Circuits with Redox-Based Memristive Devices. Springer Series on Bio- and Neurosystems, 2024, , 43-85.	0.2	0
3449	Biologically Inspired and Energy-Efficient Neurons. Springer Series on Bio- and Neurosystems, 2024, , 357-384.	0.2	O

#	Article	IF	CITATIONS
3465	The effects of different acetylcholinesterase inhibitors on EEG patterns in patients with Alzheimer's disease: A systematic review. Neurological Sciences, 0, , .	0.9	0
3496	Temporal prediction changes motor-related EEG phase synchronization and network centrality in alpha and beta band. , 2023, , .		0
3521	Crossmodal Associations and Working Memory in the Brain. Advances in Experimental Medicine and Biology, 2024, , 91-100.	0.8	0
3522	Neural Oscillations and Multisensory Processing. Advances in Experimental Medicine and Biology, 2024, , 121-137.	0.8	0
3526	Lateral prefrontal cortex and rule-based control. , 2024, , .		0
3538	A Dynamic Fitting Method for Hybrid Time-Delayed and Uncertain Internally-Coupled Complex Networks: From Kuramoto Model to Neural Mass Model. Studies in Computational Intelligence, 2024, , 27-38.	0.7	O