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EEGLAB: an open source toolbox for analysis of single-trial EEG dynamics including independent component analysis

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2241	EEG early evoked gamma-band synchronization reflects object recognition in visual oddball tasks. 2004 , 16, 261-4		13
2240	Comparison of supervised and unsupervised linear methods for recovering task-relevant activity in EEG.		
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2238	Electroencephalographic brain dynamics following manually responded visual targets. 2004 , 2, e176		268
2237	Classification of individual trials based on the best independent component of EEG-recorded sentences. 2004 , 61, 479-484		6
2236	Employing ICA and SOM for spike sorting of multielectrode recordings from CNS. 2004 , 98, 349-56		18
2235	Single-trial classification of ERPS using second-order blind identification (SOBI).		3
2234	Attention modulation of auditory event-related potentials in a brain-computer interface.		8
2233	Independent component analysis applied to the P600 component of event-related potentials. 2004 , 2006, 80-3		7
2232	Synchronization measures of bursting data: application to the electrocorticogram of an auditory event-related experiment. 2004 , 70, 011914		17
2231	Mining event-related brain dynamics. 2004 , 8, 204-10		1033
2230	Impairment of a cortical event-related desynchronisation during a bimanual load-lifting task in children with autistic disorder. 2004 , 367, 298-303		50
2229	Primary motor cortex activation during action observation revealed by wavelet analysis of the EEG. 2004 , 115, 1760-6		151
2228	Neural synchronization deficits to auditory stimulation in bipolar disorder. 2004 , 15, 1369-72		87
2227	Dopamine D4 receptor exon III genotype influence on the auditory evoked novelty P3. 2004 , 15, 2411-5		28

2226	Feature Selection and Blind Source Separation in an EEG-Based Brain-Computer Interface. 2005 , 2005, 1	36
2225	High gamma activity in response to deviant auditory stimuli recorded directly from human cortex. 2005 , 94, 4269-80	236
2224	Functional coupling between frontal and parietal lobes during recognition memory. 2005 , 16, 117-22	31
2223	Using ICA for removal of ocular artifacts in EEG recorded from blind subjects. 2005 , 18, 998-1005	58
2222	Investigating the relationship of music and language in children: influences of musical training and language impairment. 2005 , 1060, 231-42	41
2221	Electrophysiological correlates of error correction. 2005 , 42, 72-82	100
2220	What is novel in the novelty oddball paradigm? Functional significance of the novelty P3 event-related potential as revealed by independent component analysis. 2005 , 22, 309-21	205
2219	Asymmetry of evoked potential latency to speech sounds predicts the ear advantage in dichotic listening. 2005 , 24, 405-12	60
2218	Effects of aging on arithmetic problem-solving: an event-related brain potential study. 2005 , 17, 37-50	46
2217	Assessing the spatiotemporal evolution of neuronal activation with single-trial event-related potentials and functional MRI. 2005 , 102, 17798-803	251
2216	A direct intracranial record of emotions evoked by subliminal words. 2005 , 102, 7713-7	152
2215	Classification of Schizophrenia and Depression by EEG with ANNs*. 2005 , 2005, 2679-82	5
2214	Transient phase synchrony of independent cognitive components underlying scalp EEG. 2005 , 2005, 2037-40	2
2213	A Comparison of Time, Frequency and ICA Based Features and Five Classifiers for Wrist Movement Classification in EEG Signals. 2005 , 2005, 2118-21	13
2212	Fractal dimension of the EEG for detection of behavioural microsleeps. 2005 , 2005, 5742-5	7
2211	Spatio-temporal analysis of P300 using ICA and SSLOFO.	
2210	Coordination of locomotion with voluntary movements in humans. 2005 , 25, 7238-53	302
2209	High-frequency gamma-band activity in the basal temporal cortex during picture-naming and lexical-decision tasks. 2005 , 25, 3287-93	97

2208	Time-frequency Features Differentiate Direction of Finger Movement in Cued and Self-paced Tasks.	1
2207	Blind separation of skewed signals in instantaneous mixtures.	1
2206	Discovery and integrative neuroscience. 2005 , 36, 55-63	9
2205	PCA and ICA for the extraction of EEG components in cerebral death assessment.	4
2204	Independent component analysis and high-order statistics for automatic artifact rejection.	9
2203	EEG filtering based on blind source separation (BSS) for early detection of Alzheimer's disease. 2005 , 116, 729-37	103
2202	Independent component analysis of generalized spike-and-wave discharges: primary versus secondary bilateral synchrony. 2005 , 116, 913-9	25
2201	Coherent theta-band EEG activity predicts item-context binding during encoding. 2005 , 24, 692-703	164
2200	ICA-based procedures for removing ballistocardiogram artifacts from EEG data acquired in the MRI scanner. 2005 , 24, 50-60	229
2199	Validation of SOBI components from high-density EEG. 2005 , 25, 539-53	150
2198	Combined ICA-LORETA analysis of mismatch negativity. 2005 , 25, 471-7	193
2197	Frontal midline EEG dynamics during working memory. 2005 , 27, 341-56	584
2196	Recipes for the linear analysis of EEG. 2005 , 28, 326-41	366
2195	Neurophysiological markers of alert responding during goal-directed behavior: a high-density electrical mapping study. 2005 , 27, 587-601	50
2194	Simultaneous recording of laser-evoked brain potentials and continuous, high-field functional magnetic resonance imaging in humans. 2005 , 28, 708-19	99
2193	Removal of FMRI environment artifacts from EEG data using optimal basis sets. 2005 , 28, 720-37	412
2192	Reduction of the Ballistocardiogram Artifact in Simultaneous EEG-fMRI using ICA. 2005 , 2005, 3691-4	4
2191	Analyzing event-related brain dynamics in continuous compensatory tracking tasks. 2005 , 2005, 5750-3	3

2190	EEG Source Localization for Brain-Computer-Interfaces.	7
2189	The parietal distance effect appears in both the congenitally blind and matched sighted controls in an acoustic number comparison task. 2005 , 384, 11-6	38
2188	Cross-modal visual-auditory-somatosensory integration in a multimodal object recognition task in humans. 2005 , 1278, 163-166	4
2187	Odor mixture alters neural resources during symbolic problem solving. 2005 , 69, 205-16	4
2186	EEG correlates of verbal and nonverbal working memory. 2005 , 1, 20	44
2185	Attentional shifts towards an expected visual target alter the level of alpha-band oscillatory activity in the human calcarine cortex. 2005 , 25, 799-809	88
2184	Trial-by-trial coupling of concurrent electroencephalogram and functional magnetic resonance imaging identifies the dynamics of performance monitoring. 2005 , 25, 11730-7	847
2183	Electroencephalographic functional equivalence during observation of action. 2006 , 24, 605-16	14
2182	Using ICA to Remove Eye Blink and Power Line Artifacts in EEG.	11
2181	Seperability of four-class motor imagery data using independent components analysis. 2006 , 3, 208-16	196
2180	Quantification and visualization of event-related changes in oscillatory brain activity in the time-frequency domain. 2006 , 159, 79-97	95
2179	Parallel ICA methods for EEG neuroimaging. 2006 ,	6
2178	. 2006 ,	2
2177	Pain suppresses spontaneous brain rhythms. 2006 , 16, 537-40	119
2176	Reconstruction of fetal cardiac vectors from multichannel fMCG data using recursively applied and projected multiple signal classification. 2006 , 53, 2564-76	10
2175	Motor patterns in human walking and running. 2006 , 95, 3426-37	501
2174	Parallel Factor Analysis as an exploratory tool for wavelet transformed event-related EEG. 2006 , 29, 938-47	190
2173	Modulation of spectral power and of phase resetting of EEG contributes differentially to the generation of auditory event-related potentials. 2006 , 30, 909-16	89

2172	Persistent EEG overactivation in the cortical pain matrix of neurogenic pain patients. 2006 , 31, 721-31		191
2171	EEG oscillations and recognition memory: theta correlates of memory retrieval and decision making. 2006 , 32, 978-87		183
2170	Mapping single-trial EEG records on the cortical surface through a spatiotemporal modality. 2006 , 32, 195-207		22
2169	Mechanisms for detecting auditory temporal and spectral deviations operate over similar time windows but are divided differently between the two hemispheres. 2006 , 32, 275-82		41
2168	The VESPA: a method for the rapid estimation of a visual evoked potential. 2006 , 32, 1549-61		96
2167	A coherence-based technique for separating phase-locked from non-phase-locked power spectrum estimates during intermittent stimulation. <i>Journal of Neuroscience Methods</i> , 2006 , 156, 267-74	3	8
2166	The effect of cannabis use and gender on the visual steady state evoked potential. 2006 , 117, 144-56		40
2165	Quantitative multichannel EEG measure predicting the optimal weaning from ventilator in ICU patients with acute respiratory failure. 2006 , 117, 752-70		10
2164	A system for automatic artifact removal in ictal scalp EEG based on independent component analysis and Bayesian classification. 2006 , 117, 912-27		115
2163	EEG theta rhythm in infants and preschool children. 2006 , 117, 1047-62		117
2162	Automated single-trial measurement of amplitude and latency of laser-evoked potentials (LEPs) using multiple linear regression. 2006 , 117, 1331-44		47
2161	Analysis of the EEG dynamics of epileptic activity in gelastic seizures using decomposition in independent components. 2006 , 117, 1595-601		21
2160	Minimization of cochlear implant stimulus artifact in cortical auditory evoked potentials. 2006 , 117, 1772-82		136
2159	Tracking pattern learning with single-trial event-related potentials. 2006 , 117, 1957-73		49
2158	Attention-deficit hyperactivity disorder involves differential cortical processing in a visual spatial attention paradigm. 2006 , 117, 2540-8		34
2157	Visualization of the short term maximum Lyapunov exponent topography in the epileptic brain. 2006 , 2006, 4257-60		6
2156	Gamma band oscillations reveal neural network cortical coherence dysfunction in schizophrenia patients. 2006 , 60, 1231-40		306
2155	Miniature neurologgers for flying pigeons: multichannel EEG and action and field potentials in combination with GPS recording. 2006 , 95, 1263-73		76

2154	Hemodynamic and electrophysiological relationship involved in human face processing: evidence from a combined fMRI-ERP study. 2006 , 60, 176-86	41
2153	Caffeine improves anticipatory processes in task switching. 2006 , 73, 101-13	37
2152	Topography of EEG complexity in human neonates: effect of the postmenstrual age and the sleep state. 2006 , 394, 152-7	22
2151	Classifying Event-Related Desynchronization in EEG, ECoG and MEG Signals. 2006 , 404-413	26
2150	Direct intracranial, FMRI, and lesion evidence for the causal role of left inferotemporal cortex in reading. 2006 , 50, 191-204	292
2149	Single-trial EEG-fMRI reveals the dynamics of cognitive function. 2006 , 10, 558-63	311
2148	Sequential activation of muscle synergies during locomotion in the intact cat as revealed by cluster analysis and direct decomposition. 2006 , 96, 1991-2010	118
2147	Differentially variable component analysis: Identifying multiple evoked components using trial-to-trial variability. 2006 , 95, 3257-76	33
2146	Psycholinguistics Electrified II (1994-2005). 2006 , 659-724	144
2145	Independent Component Analysis. 2006 ,	
2144	PSVD: a method for robust, real time eye movement artifact rejection from the EEG. 2006 , 4	
2143	Event-related theta activity reflects memory processes in pronoun resolution. 2006 , 17, 1835-9	7
2142	Indicators of Sleepiness in an ambulatory EEG study of night driving. 2006 ,	3
2141	Combination of event-related potentials and functional magnetic resonance imaging during single-letter reading. 2006 , 2006, 984-7	
2140	Statistical Methods. 2006 ,	11
2139	Temporal pattern of odor administration alters hemispheric processing in humans. 2006 , 17, 231-4	2
2138	Dynamics of narrow-band EEG phase effects in the passive auditory oddball task. 2006 , 24, 291-304	25
2137	Frequent lapses of responsiveness during an extended visuomotor tracking task in non-sleep-deprived subjects. 2006 , 15, 291-300	84

2136	Similar nociceptive afferents mediate psychophysical and electrophysiological responses to heat stimulation of glabrous and hairy skin in humans. 2006 , 577, 235-48	127
2135	Spectral independent component analysis. 2006 , 21, 135-144	21
2134	Simultaneous EEG and fMRI in the macaque monkey at 4.7 Tesla. 2006 , 24, 335-42	21
2133	Magnetoencephalographic artifact identification and automatic removal based on independent component analysis and categorization approaches. <i>Journal of Neuroscience Methods</i> , 2006 , 157, 337-54 ³	32
2132	Reappraisal modulates the electrocortical response to unpleasant pictures. 2006 , 6, 291-7	413
2131	Joint application of independent component analysis and non-stationary fluctuation analysis for studying the mechanisms of the early phase of long-term potentiation in the rat hippocampus. 2006 , 36, 429-39	
2130	Transient synchrony of distant brain areas and perceptual switching in ambiguous figures. 2006 , 94, 445-57	36
2129	Movement-related parameters modulate cortical activity during imaginary isometric plantar-flexions. 2006 , 171, 78-90	53
2128	Recovering EEG brain signals: artifact suppression with wavelet enhanced independent component analysis. <i>Journal of Neuroscience Methods</i> , 2006 , 158, 300-12	3 343
2127	Automatic removal of high-amplitude artefacts from single-channel electroencephalograms. 2006 , 83, 125-38	43
2126	ERPs and contextual semantic discrimination: degrees of congruence in wakefulness and sleep. 2006 , 98, 264-75	69
2125	How does error correction differ from error signaling? An event-related potential study. 2006 , 1105, 102-9	63
2124	Error-processing of oculomotor capture. 2006 , 1081, 171-8	9
2123	Location of brain rhythms and their modulation by preparatory attention estimated by current density. 2006 , 1107, 151-60	36
2122	Effect of gravity on human spontaneous 10-Hz electroencephalographic oscillations during the arrest reaction. 2006 , 1121, 104-16	74
2121	Removal of ballistocardiogram artifacts from simultaneously recorded EEG and fMRI data using independent component analysis. 2006 , 53, 1294-308	76
2120	Geometric subspace methods and time-delay embedding for EEG artifact removal and classification. 2006 , 14, 142-6	37
2119	Cognitive inhibition of number/length interference in a Piaget-like task in young adults: evidence from ERPs and fMRI. 2006 , 27, 498-509	55

2118	Spectral analysis of category-specific knowledge in the intact brain. 2006 , 2006, 6336-8	
2117	Analysis of the automatic detection of critical epochs from coma-EEG by dominant components and features extraction. 2006 , 2006, 5727-30	
2116	Increased EEG power and slowed dominant frequency in patients with neurogenic pain. 2006 , 129, 55-64	276
2115	3D source localization of interictal spikes in epilepsy patients with MRI lesions. 2006 , 51, 4047-62	17
2114	Neurophysiologically driven image triage. 2006 ,	7
2113	Dissociable neural mechanisms for encoding predictable and unpredictable events. 2006 , 18, 1120-32	24
2112	Detrimental effects of irrelevant speech on serial recall of visual items are reflected in reduced visual N1 and reduced theta activity. 2006 , 16, 1097-105	19
2111	Independent component analysis of the EEG: is this the way forward for understanding abnormalities of brain-gut signalling?. 2006 , 55, 597-600	7
2110	Learning discrimination trajectories in EEG sensor space: application to inferring task difficulty. 2006 , 3, L1-6	4
2109	Frontoparietal network involved in successful retrieval from episodic memory. Spatial and temporal analyses using fMRI and ERP. 2006 , 16, 1349-60	86
2108	Blinking artifact removal in cognitive EEG data using ICA. 2006 , 2006, 5273-6	19
2107	Information-based modeling of event-related brain dynamics. 2006 , 159, 99-120	245
2106	A global approach for automatic artifact removal for standard EEG record. 2006 , 2006, 5719-22	8
2105	An ICA Approach for Extracting Task-related Components from EEG signals. 2006 ,	
2104	Indicators of sleepiness in an ambulatory EEG study of night driving. 2006 , 2006, 6201-4	40
2103	Neural representation of task difficulty and decision making during perceptual categorization: a timing diagram. 2006 , 26, 8965-75	266
2102	Spatiotemporal source tuning filter bank for multiclass EEG based brain computer interfaces. 2006 , 2006, 327-30	
2101	F-VEP AND ALPHA-SUPPRESSED EEG-PHYSIOLOGICAL EVIDENCE OF INNER-LIGHT PERCEPTION DURING ZEN MEDITATION. 2006 , 18, 1-7	7

2100	Cerebral processing of painful oesophageal stimulation: a study based on independent component analysis of the EEG. 2006 , 55, 619-29	29
2099	Triggering sleep slow waves by transcranial magnetic stimulation. 2007 , 104, 8496-501	311
2098	Improved detection of deep sources with weighted multielectrode EEG leads. 2007 , 2007, 5194-7	2
2097	Event-Related Brain Dynamics in Continuous Sustained-Attention Tasks. 2007 , 65-74	17
2096	The neural code of auditory phantom perception. 2007 , 27, 1479-84	294
2095	Medial prefrontal theta bursts precede rapid motor responses during visual selective attention. 2007 , 27, 11949-59	108
2094	High thalamocortical theta coherence in patients with Parkinson's disease. 2007 , 27, 124-31	97
2093	Outliers detection in multivariate time series by independent component analysis. 2007 , 19, 1962-84	31
2092	Mental training affects distribution of limited brain resources. 2007 , 5, e138	467
2091	Model selection for convolutive ICA with an application to spatiotemporal analysis of EEG. 2007 , 19, 934-55	36
2090	Synch before you speak: auditory hallucinations in schizophrenia. 2007 , 164, 458-66	146
2089	Linear coding of voice onset time. 2007 , 19, 1476-87	40
2088	Regularity extraction and application in dynamic auditory stimulus sequences. 2007 , 19, 1664-77	99
2087	Statistical modeling and analysis of laser-evoked potentials of electrocorticogram recordings from awake humans. 2007 , 2007, 10479	8
2086	Temporal and spatial features of single-trial EEG for brain-computer interface. 2007 , 2007, 37695	5
2085	Induced gamma band responses predict recognition delays during object identification. 2007 , 19, 921-34	35
2084	An automatic identification and removal method for eye-blink artifacts in event-related magnetoencephalographic measurements. 2007 , 28, 1523-32	20
2083	Schizophrenia Classification using Working Memory MEG ERD/ERS Patterns. 2007 ,	1

2082	Enhancing dominant modes in nonstationary time series by means of the symbolic resonance analysis. 2007 , 17, 043106	2
2081	Topography-time-frequency atomic decomposition for event-related M/EEG signals. 2007 , 2007, 5461-4	2
2080	Robust single-trial ERP estimation based on spatiotemporal filtering. 2007 , 2007, 5206-9	4
2079	Greedy kernel PCA applied to single-channel EEG recordings. 2007 , 2007, 5441-4	2
2078	Single-trial ERP estimation based on spatio-temporal filtering. 2007 ,	2
2077	Classification of imagined beats for use in a brain computer interface. 2007 , 2007, 678-81	4
2076	On the Use of Rough Sets for Artefact Extraction from EEG Datasets. 2007 ,	
2075	Independent components of sleep spindles. 2007 , 2007, 4002-5	4
2074	Multispectral infrared image classification using filters derived from independent component analysis. 2007 , 46, 116401	1
2073	Added noise affects the neural correlates of upright and inverted faces differently. 2007 , 7, 4	11
2072	Genetic contributions to long-range temporal correlations in ongoing oscillations. 2007 , 27, 13882-9	97
2071	Multiway analysis of epilepsy tensors. 2007 , 23, i10-8	158
2070	Magnetographic assessment of fetal hiccups and their effect on fetal heart rhythm. 2007 , 28, 665-76	21
2069	Application of decorrelation-independent component analysis to biomagnetic multi-channel measurements. 2007 , 52, 130-6	6
2068	Tracking short-term auditory cortical plasticity during classical conditioning using frequency-tagged stimuli. 2007 , 17, 1867-76	13
2067	Cortical response to auditory motion suggests an asymmetry in the reliance on inter-hemispheric connections between the left and right auditory cortices. 2007 , 97, 1649-55	78
2066	Different effects of voluntary and involuntary attention on EEG activity in the gamma band. 2007 , 27, 11986-90	63
2065	Binding symbols and sounds: evidence from event-related oscillatory gamma-band activity. 2007 , 17, 2696-702	53

2064	Spatiotemporal analysis of single-trial EEG of emotional pictures based on independent component analysis and source location. 2007 ,	1
2063	Multispectral MWIR image classification using filters derived from independent component analysis. 2007 ,	
2062	Removal of EEG noise and artifact using blind source separation. 2007 , 24, 232-43	82
2061	Brain response to birdsongs in bird experts. 2007 , 18, 335-40	6
2060	Subliminal words durably affect neuronal activity. 2007 , 18, 1527-31	17
2059	Cognitive neuroscience of creativity: EEG based approaches. 2007 , 42, 109-16	56
2058	An ERP study on self-relevant object recognition. 2007 , 63, 182-9	72
2057	The functional relationship between yawning and vigilance. 2007 , 179, 159-66	47
2056	Object Shift and Event-Related Brain Potentials. 2007 , 20, 462-481	11
2055	Vertical asymmetries in pre-attentive detection of changes in motion direction. 2007 , 64, 184-9	53
2054	The best of both worlds: phase-reset of human EEG alpha activity and additive power contribute to ERP generation. 2007 , 65, 58-68	66
2053	Rapid and slow brain systems of abstract and concrete words differentiation. 2007 , 65, 272-83	13
2052	Increased event-related potential latency and amplitude variability in schizophrenia detected through wavelet-based single trial analysis. 2007 , 66, 244-54	36
2051	Visual target processing in high- and low-performing older subjects indexed by P3 component. 2007 , 37, 53-61	19
2050	Electroencephalography effects to semantic and non-semantic mismatch in properties of visually presented single-characters: the N2b and the N400. 2007 , 412, 18-23	33
2049	Music increases frontal EEG coherence during verbal learning. 2007 , 412, 217-21	30
2048	The effect of selective attention on the gamma-band auditory steady-state response. 2007 , 420, 223-8	64
2047	Brain wave synchronization and entrainment to periodic acoustic stimuli. 2007 , 424, 55-60	111

2046	Automated protocol for evaluation of electromagnetic component separation (APECS): Application of a framework for evaluating statistical methods of blink extraction from multichannel EEG. 2007 , 118, 80-97	21
2045	The effect of hypobaric hypoxia on multichannel EEG signal complexity. 2007 , 118, 31-52	46
2044	Single-trial evoked potential estimation: comparison between independent component analysis and wavelet denoising. 2007 , 118, 495-504	52
2043	Theta EEG dynamics of the error-related negativity. 2007 , 118, 645-68	209
2042	Semantic priming modulates the N400, N300, and N400RP. 2007 , 118, 1053-68	84
2041	Analysis of the generators of epileptic activity in early-onset childhood benign occipital lobe epilepsy. 2007 , 118, 1341-7	15
2040	Late auditory evoked potentials asymmetry revisited. 2007 , 118, 1274-85	101
2039	Scalp electrical recording during paralysis: quantitative evidence that EEG frequencies above 20 Hz are contaminated by EMG. 2007 , 118, 1877-88	329
2038	Monitoring sleepiness with on-board electrophysiological recordings for preventing sleep-deprived traffic accidents. 2007 , 118, 1906-22	189
2037	Reliability of quantitative EEG features. 2007 , 118, 2162-71	129
2036	Brain dynamics in the active vs. passive auditory oddball task: exploration of narrow-band EEG phase effects. 2007 , 118, 2234-47	11
2035	Test-retest reliability of resting EEG spectra validates a statistical signature of persons. 2007 , 118, 2519-24	140
2034	Individual differences in EEG theta and alpha dynamics during working memory correlate with fMRI responses across subjects. 2007 , 118, 2419-36	123
2033	Exploration of computational methods for classification of movement intention during human voluntary movement from single trial EEG. 2007 , 118, 2637-55	88
2032	Independent component analysis and clustering improve signal-to-noise ratio for statistical analysis of event-related potentials. 2007 , 118, 2591-604	21
2031	Improved quality of auditory event-related potentials recorded simultaneously with 3-T fMRI: removal of the ballistocardiogram artefact. 2007 , 34, 587-97	167
2030	Complete artifact removal for EEG recorded during continuous fMRI using independent component analysis. 2007 , 34, 598-607	180
2029	Localization of individual area neuronal activity. 2007 , 34, 1519-34	30

2028	Enhanced detection of artifacts in EEG data using higher-order statistics and independent component analysis. 2007 , 34, 1443-9	1025
2027	Reward expectation modulates feedback-related negativity and EEG spectra. 2007 , 35, 968-78	389
2026	Groupwise independent component decomposition of EEG data and partial least square analysis. 2007 , 35, 1103-12	61
2025	Binding of verbal and spatial information in human working memory involves large-scale neural synchronization at theta frequency. 2007 , 35, 1654-62	48
2024	Single-trial EEG dynamics of object and face visual processing. 2007 , 36, 843-62	87
2023	Functional neural dynamics underlying auditory event-related N1 and N1 suppression response. 2007 , 36, 522-31	39
2022	Canonical decomposition of ictal scalp EEG reliably detects the seizure onset zone. 2007 , 37, 844-54	95
2021	Temporal dynamics of access to consciousness in the attentional blink. 2007 , 37, 947-55	99
2020	Isolating physiologic noise sources with independently determined spatial measures. 2007 , 37, 1286-300	123
2019	Single trial variability of EEG and fMRI responses to visual stimuli. 2007 , 38, 280-92	46
2018	Design and evaluation of tiled parallel coordinate visualization of multichannel EEG data. 2007 , 13, 70-9	13
2017	A cortical potential reflecting cardiac function. 2007 , 104, 6818-23	141
2016	Classification of EEG signals using different feature extraction techniques for mental-task BCI. 2007 ,	22
2015	Neuroinformatics. 2007 ,	5
2014	Spatio-Temporal Modeling of Neural Source Activation from EEG Data. 2007 ,	
2013	Biorthogonal 3.1 Wavelet Enhancement of Brain Activities. 2007 ,	1
2012	Single-channel electroencephalogram analysis using non-linear subspace techniques. 2007 ,	2
2011	INDEPENDENT COMPONENT ANALYSIS OF EEG RECORDED DURING TWO-PERSON GAME PLAYING. 2007 , 21, 883-894	2

2010	Exploring Cardioneural Signals from Noninvasive ECG Measurement. 2007 ,	1
2009	Multi-Scale EEG Brain Dynamics During Sustained Attention Tasks. 2007 ,	21
2008	Implementation of a 3-Dimensional Game for developing balanced Brainwave. 2007 ,	11
2007	Sustained neural activity patterns during working memory in the human medial temporal lobe. 2007 , 27, 7807-16	200
2006	Estimation of individual evoked potential components using iterative independent component analysis. 2007 , 52, 5353-68	16
2005	The speed of magnitude processing and executive functions in controlled and automatic number comparison in children: an electro-encephalography study. 2007 , 3, 23	60
2004	Synchronization of neural activity across cortical areas correlates with conscious perception. 2007 , 27, 2858-65	522
2003	Goal-related activity in hippocampal place cells. 2007 , 27, 472-82	149
2002	Online artifact removal for brain-computer interfaces using support vector machines and blind source separation. 2007 , 82069	59
2001	The significance of the sympathetic nervous system in the pathophysiology of periodic leg movements in sleep. 2007 , 30, 755-66	126
2000	The effects of bromazepam on the early stage of visual information processing (P100). 2007 , 65, 955-9	5
1999	Psychophysiology Principles, Pointers, and Pitfalls. 367-423	2
1998	Single-trial analysis of oddball event-related potentials in simultaneous EEG-fMRI. 2007 , 28, 602-13	173
1997	Evaluation of PCA and ICA of simulated ERPs: Promax vs. Infomax rotations. 2007 , 28, 742-63	141
1996	Cognitive function, P3a/P3b brain potentials, and cortical thickness in aging. 2007 , 28, 1098-116	40
1995	Local field potentials and oscillatory activity of the internal globus pallidus in myoclonus-dystonia. 2007 , 22, 369-76	80
1994	Filtering by optimal projection and application to automatic artifact removal from EEG. 2007 , 87, 1978-1992	21
1993	A brain-computer interface with vibrotactile biofeedback for haptic information. 2007 , 4, 40	125

1992	Functional source separation and hand cortical representation for a brain-computer interface feature extraction. 2007 , 580, 703-21	34
1991	Attention induces synchronization-based response gain in steady-state visual evoked potentials. 2007 , 10, 117-25	176
1990	IPRAENHANCING THE SENSING ABILITIES OF AMBIENT INTELLIGENCE. 2007 , 23, 464-483	3
1989	Optimal sustained attention is linked to the spectral content of background EEG activity: greater ongoing tonic alpha (approximately 10 Hz) power supports successful phasic goal activation. 2007 , 25, 900-7	83
1988	Psychosocial stress attenuates general sound processing and duration change detection. 2007 , 44, 30-8	35
1987	Predictive information and error processing: the role of medial-frontal cortex during motor control. 2007 , 44, 586-95	45
1986	Effects of caffeine on anticipatory control processes: evidence from a cued task-switch paradigm. 2007 , 44, 561-78	40
1985	Auditory temporal grouping in newborn infants. 2007 , 44, 697-702	44
1984	Source localization of auditory evoked potentials after cochlear implantation. 2008 , 45, 20-4	50
1983	Pure phase-locking of beta/gamma oscillation contributes to the N30 frontal component of somatosensory evoked potentials. 2007 , 8, 75	26
1982	Source localization of periodic sharp wave complexes using independent component analysis in sporadic Creutzfeldt-Jakob disease. 2007 , 1143, 228-37	19
1981	Proprioceptive evoked gamma oscillations. 2007 , 1147, 167-74	9
1980	ERP evidence for successful voluntary avoidance of conscious recollection. 2007 , 1151, 119-33	73
1979	Hierarchical error processing: different errors, different systems. 2007 , 1155, 70-80	82
1978	Cortical processing of visual motion in young infants. 2007 , 47, 1614-23	21
1977	Neural correlates of foveal splitting in reading: evidence from an ERP study of Chinese character recognition. 2007 , 45, 1280-92	39
1976	Direct intracranial recording of body-selective responses in human extrastriate visual cortex. 2007 , 45, 2621-5	61
1975	Single-trial classification of MEG recordings. 2007 , 54, 436-43	36

1974	EEG-based assessment of driver cognitive responses in a dynamic virtual-reality driving environment. 2007 , 54, 1349-52		69
1973	Automatic identification and removal of scalp reference signal for intracranial EEGs based on independent component analysis. 2007 , 54, 1560-72		39
1972	A high resolution EEG study of dynamic brain activity during video game play. 2007 , 2007, 2489-91		16
1971	Mu and alpha EEG rhythms during the arrest reaction in microgravity. 2007 , 19, 102-107		3
1970	Comparison of the effects of continuous and pulsed mobile phone like RF exposure on the human EEG. 2007 , 30, 274-80		23
1969	Duration of the cue-to-pain delay increases pain intensity: a combined EEG and MEG study. 2007 , 180, 205-15		17
1968	The amplitude and phase precision of 40 Hz auditory steady-state response depend on the level of arousal. 2007 , 183, 133-8		39
1967	Overcomplete Independent Component Analysis via Linearly Constrained Minimum Variance Spatial Filtering. 2007 , 48, 161-171		3
1966	Electrophysiological evidence of different interpretative strategies in irony comprehension. 2007 , 36, 411-30		29
1965	Topography, independent component analysis and dipole source analysis of movement related potentials. 2007 , 1, 327-40		17
1964	ERPWAVELAB a toolbox for multi-channel analysis of time-frequency transformed event related potentials. <i>Journal of Neuroscience Methods</i> , 2007 , 161, 361-8	3	97
1963	Evaluating gradient artifact correction of EEG data acquired simultaneously with fMRI. 2007 , 25, 923-32		60
1962	Sensor noise suppression. <i>Journal of Neuroscience Methods</i> , 2008 , 168, 195-202	3	52
1961	Denoising based on spatial filtering. <i>Journal of Neuroscience Methods</i> , 2008 , 171, 331-9	3	137
1960	Dynamic processing of nociception in cortical network in conscious rats: a laser-evoked field potential study. 2008 , 28, 671-87		17
1959	Acute tryptophan depletion in healthy males attenuates phasic cardiac slowing but does not affect electro-cortical response to negative feedback. 2008 , 199, 255-63		19
1958	Asynchrony from synchrony: long-range gamma-band neural synchrony accompanies perception of audiovisual speech asynchrony. 2008 , 185, 11-20		49
1957	Depth electrode recordings show double dissociation between pitch processing in lateral Heschl's gyrus and sound onset processing in medial Heschl's gyrus. 2008 , 187, 97-105		71

1956	Electroencephalographic correlates of target and outcome errors. 2008 , 190, 401-11		64
1955	Delta band contribution in cue based single trial classification of real and imaginary wrist movements. 2008 , 46, 529-39		66
1954	Muscle artifact removal from human sleep EEG by using independent component analysis. 2008 , 36, 467-75		74
1953	Exploring event-related brain dynamics with tests on complex valued time-frequency representations. 2008 , 27, 2922-47		29
1952	Extraction of Alpha Activities from an EEG Obtained During Gum Chewing. 2008 , 3, 324-333		
1951	Heritability of "small-world" networks in the brain: a graph theoretical analysis of resting-state EEG functional connectivity. 2008 , 29, 1368-78		194
1950	Enhanced automatic artifact detection based on independent component analysis and Renyi's entropy. 2008 , 21, 1029-40		41
1949	BSMART: a Matlab/C toolbox for analysis of multichannel neural time series. 2008 , 21, 1094-104		138
1948	Evaluation of a technique to measure latency jitter in event-related potentials. <i>Journal of Neuroscience Methods</i> , 2008 , 168, 248-55	3	18
1947	Assessing transient cross-frequency coupling in EEG data. <i>Journal of Neuroscience Methods</i> , 2008 , 168, 494-9	3	187
1946	Sharp edge artifacts and spurious coupling in EEG frequency comodulation measures. <i>Journal of Neuroscience Methods</i> , 2008 , 170, 352-7	3	149
1945	High-density EEG coherence analysis using functional units applied to mental fatigue. <i>Journal of Neuroscience Methods</i> , 2008 , 171, 271-8	3	27
1944	Speech auditory brainstem response (speech ABR) characteristics depending on recording conditions, and hearing status: an experimental parametric study. <i>Journal of Neuroscience Methods</i> , 2008 , 175, 196-205	3	34
1943	A comparative study of automatic techniques for ocular artifact reduction in spontaneous EEG signals based on clinical target variables: a simulation case. 2008 , 38, 348-60		124
1942	Long-interval cortical inhibition from the dorsolateral prefrontal cortex: a TMS-EEG study. 2008 , 33, 2860-9		177
1941	An ERP investigation of location invariance in masked repetition priming. 2008 , 8, 222-8		39
1940	Making decisions with a continuous mind. 2008 , 8, 454-74		16
1939	Spatial compatibility between stimulated eye and response location. 2008 , 45, 279-85		7

1938	One-channel EOG artifact correction: an analytic approach. 2008 , 45, 569-78	1
1937	P300 amplitude age reductions are not caused by latency jitter. 2008 , 45, 545-53	46
1936	The feedback correct-related positivity: sensitivity of the event-related brain potential to unexpected positive feedback. 2008 , 45, 688-97	430
1935	Characterizing the ERP Old-New effect in a short-term memory task. 2008 , 45, 784-93	66
1934	ERP correlates of complex human decision making in a gambling paradigm: detection and resolution of conflict. 2008 , 45, 714-20	37
1933	Integration of amplitude and phase statistics for complete artifact removal in independent components of neuromagnetic recordings. 2008 , 55, 2353-62	68
1932	Ballistocardiogram Artifact Removal in EEG-fMRI Signals Using Discrete Hermite Transforms. 2008 , 2, 839-853	18
1931	Parametric study of EEG sensitivity to phase noise during face processing. 2008 , 9, 98	62
1930	Theta EEG oscillatory activity and auditory change detection. 2008 , 1220, 93-101	81
1929	The interaction of task-relevant and task-irrelevant stimulus features in the number/size congruency paradigm: an ERP study. 2008 , 1190, 143-58	40
1928	Induced gamma-band activity is related to the time point of object identification. 2008 , 1198, 93-106	23
1927	Attentional changes in pre-stimulus oscillatory activity within early visual cortex are predictive of human visual performance. 2008 , 1197, 115-22	67
1926	Regularity increases middle latency evoked and late induced beta brain response following proprioceptive stimulation. 2008 , 1218, 114-31	7
1925	Event-related potential (ERP) responses to violations of inflectional and derivational rules of Finnish. 2008 , 1218, 181-93	35
1924	Enhanced gamma-band activity in ADHD patients lacks correlation with memory performance found in healthy children. 2008 , 1235, 117-32	48
1923	Anxiety and oscillatory responses to emotional facial expressions. 2008 , 1227, 174-88	53
1922	Altered oscillatory alpha and theta networks in schizophrenia. 2008 , 1235, 143-52	48
1921	Parallel perceptual enhancement and hierarchic relevance evaluation in an audio-visual conjunction task. 2008 , 1236, 126-39	8

1920	Cortical reorganization in children with cochlear implants. 2008 , 1239, 56-65	120
1919	Effects of sleep deprivation on gamma oscillation of waking human EEG. 2008 , 18, 1533-1537	10
1918	What grabs his attention but not hers? Estrogen correlates with neurophysiological measures of vocal change detection. 2008 , 33, 718-27	18
1917	The SSVEP topographic scalp maps by canonical correlation analysis. 2008 , 2008, 3759-62	8
1916	Analysis of the dynamics and origin of epileptic activity in patients with tuberous sclerosis evaluated for surgery of epilepsy. 2008 , 119, 853-61	12
1915	Short-term learning of a visually guided power-grip task is associated with dynamic changes in EEG oscillatory activity. 2008 , 119, 1419-30	37
1914	Sub-processes of working memory in the N-back task: an investigation using ERPs. 2008 , 119, 1546-59	70
1913	Brain function in the minimally conscious state: a quantitative neurophysiological study. 2008 , 119, 1506-14	66
1912	Origin of frontal lobe spikes in the early onset benign occipital lobe epilepsy (Panayiotopoulos syndrome). 2008 , 119, 1985-91	14
1911	The infant mirror neuron system studied with high density EEG. 2008 , 3, 334-47	156
1910	Advances in Data Mining. Medical Applications, E-Commerce, Marketing, and Theoretical Aspects. 2008 ,	3
1909	. 2008 ,	7
1908	Influence of physical parameters of sound on the sensory gating effects of N40 in rats. 2008 , 432, 100-4	5
1907	The Fear Survey Schedule as a measure of anxious arousal: evidence from ERPs. 2008 , 441, 243-7	9
1906	Event-related brain potential evidence for implicit change detection: a replication of Fernandez-Duque et al. (2003). 2008 , 448, 236-9	15
1905	Unmixing concurrent EEG-fMRI with parallel independent component analysis. 2008 , 67, 222-34	88
1904	Scanning strategies for simultaneous EEG-fMRI evoked potential studies at 3 T. 2008 , 67, 169-77	16
1903	Properties of the ballistocardiogram artefact as revealed by EEG recordings at 1.5, 3 and 7 T static magnetic field strength. 2008 , 67, 189-99	162

1902	Joint independent component analysis for simultaneous EEG-fMRI: principle and simulation. 2008 , 67, 212-21	96
1901	Frontal theta EEG activity correlates negatively with the default mode network in resting state. 2008 , 67, 242-51	280
1900	Decomposition of working memory-related scalp ERPs: crossvalidation of fMRI-constrained source analysis and ICA. 2008 , 67, 200-11	19
1899	Impulsivity, anxiety, and individual differences in evoked and induced brain oscillations. 2008 , 68, 242-54	17
1898	ERP study of viewpoint-independence in familiar-face recognition. 2008 , 69, 119-26	29
1897	Feature processing during visual search in normal aging: electrophysiological evidence. 2008 , 29, 1101-10	52
1896	Effects of twenty-minute 3G mobile phone irradiation on event related potential components and early gamma synchronization in auditory oddball paradigm. 2008 , 157, 453-62	23
1895	Docosahexaenoic acid and cognitive function: Is the link mediated by the autonomic nervous system?. 2008 , 79, 135-40	21
1894	EEG applications for sport and performance. 2008 , 45, 279-88	129
1893	Large-scale gamma-band phase synchronization and selective attention. 2008 , 18, 386-96	183
1892	. 2008 , 25, 69-77	79
1891	Electroencephalographic frontal asymmetry and depressive symptoms in the elderly. 2008 , 79, 317-22	53
1890	Influence of ongoing alpha rhythm on the visual evoked potential. 2008 , 39, 707-16	71
1889	High thalamocortical theta coherence in patients with neurogenic pain. 2008 , 39, 1910-7	127
1888	Human face preference in gamma-frequency EEG activity. 2008 , 39, 1980-7	37
1887	Tonic and phasic electroencephalographic dynamics during continuous compensatory tracking. 2008 , 39, 1896-909	84
1886	EEG alpha distinguishes between cuneal and precuneal activation in working memory. 2008 , 40, 1296-310	88
1885	Music training leads to the development of timbre-specific gamma band activity. 2008 , 41, 113-22	104

1884	Enhanced frontal low and high frequency power and synchronization in the resting EEG of parkinsonian patients. 2008 , 41, 985-97	84
1883	Rapid extraction of auditory feature contingencies. 2008 , 41, 1111-9	71
1882	Single-trial coupling of EEG and fMRI reveals the involvement of early anterior cingulate cortex activation in effortful decision making. 2008 , 42, 158-68	116
1881	BOLD correlates of continuously fluctuating epileptic activity isolated by independent component analysis. 2008 , 42, 635-48	43
1880	Modality-independent processes in cued motor preparation revealed by cortical potentials. 2008 , 42, 1255-65	8
1879	Enhanced EEG gamma-band activity reflects multisensory semantic matching in visual-to-auditory object priming. 2008 , 42, 1244-54	119
1878	Shift-invariant multilinear decomposition of neuroimaging data. 2008 , 42, 1439-50	57
1877	Test-retest reliability of EEG spectra during a working memory task. 2008 , 43, 687-93	39
1876	Magnetic sources of the M50 response are localized to frontal cortex. 2008 , 119, 388-98	35
1875	Does long-term unilateral deafness change auditory evoked potential asymmetries?. 2008 , 119, 576-586	32
1874	A failure to stop and attention fluctuations: an evoked oscillations study of the stop-signal paradigm. 2008 , 119, 556-567	18
1873	Language lateralization using MEG beta frequency desynchronization during auditory oddball stimulation with one-syllable words. 2008 , 42, 1499-507	54
1872	BSS and ICA in neuroinformatics: from current practices to open challenges. 2008 , 1, 50-61	54
1871	Neuroelectromagnetic forward modeling toolbox. 2008 , 2008, 3991-4	7
1870	Bipolar electrode selection for a motor imagery based brain-computer interface. 2008 , 5, 342-9	66
1869	ERS and ERD analysis during the imaginary movement of arms. 2008 ,	1
1868	Comparing SVM and convolutional networks for epileptic seizure prediction from intracranial EEG. 2008 ,	86
1867	Increase in regularity and decrease in variability seen in electroencephalography (EEG) signals from alert to fatigue during a driving simulated task. 2008 , 2008, 1096-9	7

1866	Dynamic clustering for vigilance analysis based on EEG. 2008 , 2008, 54-7	21
1865	Prediction of Temporal Lobe Seizures Using the Singular Spectrum Analysis. 2008 ,	1
1864	Differential modulation of word recognition by semantic and spatial orienting of attention. 2008 , 20, 787-801	18
1863	Combining Energy and Wavelet Transform for Epileptic Seizure Prediction in an Advanced Computational System. 2008 ,	12
1862	Non-nutritive sucking recorded in utero via fetal magnetography. 2008 , 29, 127-39	17
1861	Event-related EEG time-frequency analysis: an overview of measures and an analysis of early gamma band phase locking in schizophrenia. 2008 , 34, 907-26	391
1860	The role of sleep in declarative memory consolidation--direct evidence by intracranial EEG. 2008 , 18, 500-7	34
1859	The effects of parts, wholes, and familiarity on face-selective responses in MEG. 2008 , 8, 4.1-12	22
1858	Evaluating the relationship between long interval cortical inhibition, working memory and gamma band activity in the dorsolateral prefrontal cortex. 2008 , 39, 150-5	35
1857	An expectation-maximization method for spatio-temporal blind source separation using an AR-MOG source model. 2008 , 19, 508-19	32
1856	Properties of in vivo interictal spike generation in the human subiculum. 2008 , 131, 485-99	43
1855	Children with specific language impairment also show impairment of music-syntactic processing. 2008 , 20, 1940-51	76
1854	Comparative analyses of anthropometry associated with overweight and obesity: PCA and ICA approaches. 2008 , 9, 441-475	3
1853	Task-irrelevant alpha component analysis in motor imagery based brain computer interface. 2008 , 2008, 1021-4	1
1852	Spectral modulation of LFP activity in M1 during dexterous finger movements. 2008 , 2008, 5314-7	11
1851	Assessment of neural dynamic coupling and causal interactions between independent EEG components from cognitive tasks using linear and nonlinear methods. 2008 , 2008, 3767-70	4
1850	A brain computer interface based on motion-onset VEPs. 2008 , 2008, 4478-81	2
1849	Selection of spectro-temporal patterns in multichannel MEG with support vector machines for schizophrenia classification. 2008 , 2008, 3554-7	5

1848	Subspace techniques to remove artifacts from EEG: a quantitative analysis. 2008 , 2008, 4395-8	1
1847	A brain-computer interface using motion-onset visual evoked potential. 2008 , 5, 477-85	120
1846	The role of awareness in processing of oculomotor capture: evidence from event-related potentials. 2008 , 20, 2285-97	33
1845	Effects of working memory load on oscillatory power in human intracranial EEG. 2008 , 18, 1843-55	134
1844	Normal electrocortical facilitation but abnormal target identification during visual sustained attention in schizophrenia. 2008 , 28, 13411-8	36
1843	Measures of cortical plasticity after transcranial paired associative stimulation predict changes in electroencephalogram slow-wave activity during subsequent sleep. 2008 , 28, 7911-8	106
1842	Trial-by-trial fluctuations in the event-related electroencephalogram reflect dynamic changes in the degree of surprise. 2008 , 28, 12539-45	168
1841	TSPad. 2008 ,	3
1840	The effect of mutual information on independent component analysis in EEG/MEG analysis: a simulation study. 2008 , 118, 1534-46	1
1839	Increased brain signal variability accompanies lower behavioral variability in development. 2008 , 4, e1000106	265
1838	Neurophysiological measures of involuntary and voluntary attention allocation and dispositional differences in need for cognition. 2008 , 34, 862-74	42
1837	Error negativity does not reflect conflict: a reappraisal of conflict monitoring and anterior cingulate cortex activity. 2008 , 20, 1637-55	122
1836	Rapid image analysis using neural signals. 2008 ,	17
1835	TSPad. 2008 ,	
1834	Reduced evoked gamma oscillations in the frontal cortex in schizophrenia patients: a TMS/EEG study. 2008 , 165, 996-1005	166
1833	ERP qualification exploiting waveform, spectral and time-frequency infomax. 2008 ,	2
1832	Quantitative evaluation of ocular artifact removal methods based on real and estimated EOG signals. 2008 , 2008, 5041-4	7
1831	A Robust Method to Filter Various Types of Artifacts on Long Duration EEG Recordings. 2008 ,	2

1830	A QEEG index of level of functional dependence for people sustaining acquired brain injury: the Seville Independence Index (SINDI). 2008 , 22, 61-74	20
1829	Electrophysiological evidence for independent consolidation of multiple targets. 2008 , 19, 1493-6	4
1828	Asymmetrical effects of frequent gains and frequent losses in a gambling task. 2008 , 19, 1345-9	7
1827	Voluntary modulations of attention in a semantic auditory-visual matching Task: an ERP study. 2008 , 41,	7
1826	Time course and robustness of ERP object and face differences. 2008 , 8, 3.1-18	102
1825	Interactions with compliant loads alter stretch reflex gains but not intermuscular coordination. 2008 , 99, 2101-13	92
1824	Coding of visual object features and feature conjunctions in the human brain. 2008 , 3, e3781	51
1823	. 2008 ,	26
1822	Alpha Brain Oscillations and Inhibitory Control. 2009 , 23, 208-215	9
1821	. 2009 ,	784
1820	Comparison of time-frequency responses and the event-related potential to auditory speech stimuli in human cortex. 2009 , 102, 377-86	118
1819	Overview of analytical approaches. 93-110	3
1818	Sleep-dependent improvement in visuomotor learning: a causal role for slow waves. 2009 , 32, 1273-84	167
1817	Repetitive Transcranial Magnetic Stimulation Affects behavior by Biasing Endogenous Cortical Oscillations. 2009 , 3, 14	69
1816	Oscillatory brain activity related to control mechanisms during laboratory-induced reactive aggression. 2009 , 3, 46	12
1815	Differential maturation of brain signal complexity in the human auditory and visual system. 2009 , 3, 48	95
1814	Neural mechanisms of intermodal sustained selective attention with concurrently presented auditory and visual stimuli. 2009 , 3, 58	65
1813	High-frequency Broadband Modulations of Electroencephalographic Spectra. 2009 , 3, 61	93

1812	DataViewer3D: An Open-Source, Cross-Platform Multi-Modal Neuroimaging Data Visualization Tool. 2009 , 3, 9	17
1811	Offline Identification of Imagined Speed of Wrist Movements in Paralyzed ALS Patients from Single-Trial EEG. 2009 , 3, 62	25
1810	Ablation of mouse adult neurogenesis alters olfactory bulb structure and olfactory fear conditioning. 2009 , 3, 51	69
1809	New technologies to investigate the brain-gut axis. 2009 , 15, 182-91	38
1808	C-fiber-related EEG-oscillations induced by laser radiant heat stimulation of capsaicin-treated skin. 2009 , 2, 49-56	19
1807	Automated ocular artifact removal: comparing regression and component-based methods. 2009 ,	1
1806	Generalized Morphological Component Analysis for EEG source separation and artifact removal. 2009 ,	8
1805	Monitoring of cognitive processes in older persons. 2009 ,	6
1804	Improved separability of dipole sources by tripolar versus conventional disk electrodes: a modeling study using independent component analysis. 2009 , 2009, 4023-6	0
1803	Do we see before we look?. 2009 ,	2
1802	Brain decoding of texture processing using independent component analysis and support vector machines. 2009 ,	3
1801	Error-related EEG patterns during tactile human-machine interaction. 2009 ,	13
1800	Detecting wrong notes in advance: neuronal correlates of error monitoring in pianists. 2009 , 19, 2625-39	79
1799	Cross-modal elicitation of affective experience. 2009 ,	4
1798	Theta-gamma coupling increases during the learning of item-context associations. 2009 , 106, 20942-7	587
1797	Acquisition of human EEG data during linear self-motion on a Stewart platform. 2009 ,	7
1796	Entropy spatial clustering in epileptic EEG. 2009 ,	1
1795	Somatosensory evoked potential components with and without contact cold stimulus. 2009 , 2009, 2943-6	

1794	Adaptive active auditory brain computer interface. 2009 , 2009, 4531-4	2
1793	S-cone signals invisible to the motion system can improve motion extraction via grouping by color. 2009 , 26, 237-48	4
1792	Partial directed coherence-based information flow in Parkinson's disease patients performing a visually-guided motor task. 2009 , 2009, 1873-8	1
1791	EEG dynamics during music appreciation. 2009 , 2009, 5316-9	5
1790	On-line orthographic influences on spoken language in a semantic task. 2009 , 21, 169-79	67
1789	The Race Effect on the Emotion-Induced Gamma Oscillation in The EEG. 2009 ,	2
1788	MMN Analysis for Chinese Lexical Tones Based on Enhanced ICA. 2009 ,	
1787	Effects of task and EEG-based reference signal on performance of on-line ocular artifact removal from real EEG. 2009 ,	3
1786	Dynamic and task-dependent encoding of speech and voice by phase reorganization of cortical oscillations. 2009 , 29, 1699-706	34
1785	Working memory-related hippocampal deactivation interferes with long-term memory formation. 2009 , 29, 1052-960	44
1784	Theta phase synchrony and conscious target perception: impact of intensive mental training. 2009 , 21, 1536-49	93
1783	Single-trial EEG data to classify type and intensity of facial emotion from P100 and N170. 2009 ,	4
1782	Automatic identification of useful independent components with a view to removing artifacts from eeg signal. 2009 ,	5
1781	Interactions between cortical rhythms and spiking activity of single basal ganglia neurons in the normal and parkinsonian state. 2009 , 19, 1330-44	33
1780	Color-selective attention need not be mediated by spatial attention. 2009 , 9, 2.1-7	63
1779	Evaluation of evoked potentials to dyadic tones after cochlear implantation. 2009 , 132, 1967-79	51
1778	Dimensionality reduction and channel selection of motor imagery electroencephalographic data. 2009 , 537504	34
1777	Potentiation of gamma oscillatory activity through repetitive transcranial magnetic stimulation of the dorsolateral prefrontal cortex. 2009 , 34, 2359-67	80

1776	EEG activity underlying successful study of associative and order information. 2009 , 21, 1346-64	9
1775	Real-time tracking of motor response activation and response competition in a Stroop task in young children: a lateralized readiness potential study. 2009 , 21, 2195-206	35
1774	A template-based isomap algorithm for real-time removal of ocular artifacts from EEG signals. 2009 , 21, 1346-64	9
1773	Induced gamma-band activity elicited by visual representation of unattended objects. 2009 , 21, 42-57	17
1772	Event-related potential evidence that automatic recollection can be voluntarily avoided. 2009 , 21, 1280-301	36
1771	Steady state responses: electrophysiological assessment of sensory function in schizophrenia. 2009 , 35, 1065-77	161
1770	Brain potentials related to the human penile erection. 2009 , 21, 292-300	7
1769	Attention increases the temporal precision of conscious perception: verifying the Neural-ST Model. 2009 , 5, e1000576	21
1768	Suppression of gamma-oscillations in the dorsolateral prefrontal cortex following long interval cortical inhibition: a TMS-EEG study. 2009 , 34, 1543-51	75
1767	Pervasive embedded real time monitoring of EEG and SpO2. 2009 , 21, 1346-64	4
1766	Unconscious errors enhance prefrontal-occipital oscillatory synchrony. 2009 , 3, 54	86
1765	Nociceptive laser-evoked brain potentials do not reflect nociceptive-specific neural activity. 2009 , 101, 3258-69	254
1764	Neural suppression of irrelevant information underlies optimal working memory performance. 2009 , 29, 3059-66	216
1763	Neural signature of the conscious processing of auditory regularities. 2009 , 106, 1672-7	390
1762	Visually induced analgesia: seeing the body reduces pain. 2009 , 29, 12125-30	188
1761	When the brain changes its mind: flexibility of action selection in instructed and free choices. 2009 , 19, 2352-60	34
1760	Effects of semantic matching and of semantic category on reaction time and N400 that resist numerous repetitions. 2009 , 47, 506-17	15
1759	Electrophysiological correlates of semantic processing during encoding of neutral and emotional pictures in patients with ADHD. 2009 , 47, 1873-82	14

1758	The temporal interaction of modality specific and process specific neural networks supporting simple working memory tasks. 2009 , 47, 1954-63	8
1757	Hemispheric specialization during discrimination of sound sources reflected by MMN. 2009 , 47, 2652-9	27
1756	Efficiency of working memory encoding in twins discordant for schizophrenia. 2009 , 174, 97-104	12
1755	Improving the SNR of EEG generated by deep sources with weighted multielectrode leads. 2009 , 103, 306-14	9
1754	Age-related delay in information accrual for faces: evidence from a parametric, single-trial EEG approach. 2009 , 10, 114	53
1753	Electrophysiological evidence for an early processing of human voices. 2009 , 10, 127	74
1752	Contextual blending of ingroup/outgroup face stimuli and word valence: LPP modulation and convergence of measures. 2009 , 10, 69	47
1751	A toolbox for the fast information analysis of multiple-site LFP, EEG and spike train recordings. 2009 , 10, 81	155
1750	. 2009 , 58, 2433-2443	20
1749	Cerebral plasticity after subcortical stroke as revealed by cortico-muscular coherence. 2009 , 17, 234-43	24
1748	A spatiotemporal filtering methodology for single-trial ERP component estimation. 2009 , 56, 83-92	19
1747	Removal of BCG artifacts using a non-Kirchhoffian overcomplete representation. 2009 , 56, 200-4	20
1746	Beamforming in noninvasive brain-computer interfaces. 2009 , 56, 1209-19	119
1745	Decision-level fusion of EEG and pupil features for single-trial visual detection analysis. 2009 , 56, 1929-37	25
1744	. 2009 , 4, 32-46	37
1743	New electroencephalogram (EEG) neuroimaging methods of analyzing brain activity applicable to the study of human sexual response. 2009 , 6, 1830-45	21
1742	EEG responses to visual landmarks in flying pigeons. 2009 , 19, 1159-66	107
1741	Occipital EEG correlates of conscious awareness when subjective target shine-through and effective visual masking are compared: bifocal early increase in gamma power and speed-up of P1. 2009 , 1271, 60-73	54

1740	The influence of mental fatigue and motivation on neural network dynamics; an EEG coherence study. 2009 , 1270, 95-106	102
1739	Neurocognitive processing of auditorily and visually presented inflected words and pseudowords: evidence from a morphologically rich language. 2009 , 1275, 54-66	34
1738	Orthographic effects in spoken language: on-line activation or phonological restructuring?. 2009 , 1275, 73-80	78
1737	Spatiotemporospectral characteristics of scalp ictal EEG in mesial temporal lobe epilepsy with hippocampal sclerosis. 2009 , 1287, 206-19	22
1736	Intracranial electroencephalography reveals two distinct similarity effects during item recognition. 2009 , 1299, 33-44	14
1735	How perceptual processes help to generate new meaning: an EEG study of chunk decomposition in Chinese characters. 2009 , 1296, 104-12	30
1734	Hostility- and gender-related differences in oscillatory responses to emotional facial expressions. 2009 , 35, 502-13	20
1733	Hand somatosensory subcortical and cortical sources assessed by functional source separation: an EEG study. 2009 , 30, 660-74	45
1732	Decrease in early right alpha band phase synchronization and late gamma band oscillations in processing syntax in music. 2009 , 30, 1207-25	26
1731	Movement gating of beta/gamma oscillations involved in the N30 somatosensory evoked potential. 2009 , 30, 1568-79	26
1730	Defective inhibition and inter-regional phase synchronization in pianists with musician's dystonia: an EEG study. 2009 , 30, 2689-700	24
1729	ICA decomposition of EEG signal for fMRI processing in epilepsy. 2009 , 30, 2986-96	36
1728	Ocular reduction in EEG signals based on adaptive filtering, regression and blind source separation. 2009 , 37, 176-91	43
1727	PCAICA for automatic identification of critical events in continuous coma-EEG monitoring. 2009 , 4, 229-235	18
1726	EEG paroxysmal gamma waves during Bhramari Pranayama: a yoga breathing technique. 2009 , 18, 977-88	56
1725	Unmasking word processing with ERPs: two novel linear techniques for the estimation of temporally overlapped waveforms. 2009 , 22, 60-71	
1724	The cortical chronometry of electrogustatory event-related potentials. 2009 , 22, 73-82	19
1723	On the robust parametric detection of EEG artifacts in polysomnographic recordings. 2009 , 7, 147-60	12

1722	Independent component analysis: comparison of algorithms for the investigation of surface electrical brain activity. 2009 , 47, 413-23	34
1721	Gamma-band activity reflects multisensory matching in working memory. 2009 , 198, 363-72	21
1720	Visual stimulus locking of EEG is modulated by temporal congruency of auditory stimuli. 2009 , 198, 137-51	23
1719	Neural basis of postural instability identified by VTC and EEG. 2009 , 199, 1-16	81
1718	The role of hand dominance and sensorimotor congruence in voluntary movement. 2009 , 199, 195-200	14
1717	Task-specific signal transmission from prefrontal cortex in visual selective attention. 2009 , 12, 85-91	128
1716	Olfactory behavior and physiology are disrupted in prion protein knockout mice. 2009 , 12, 60-9	76
1715	The relation of ventromedial prefrontal cortex activity and heart rate fluctuations at rest. 2009 , 30, 2205-10	49
1714	Understanding the benefits of musical training: effects on oscillatory brain activity. 2009 , 1169, 133-42	64
1713	Functional brain mapping of ictal activity in gelastic epilepsy associated with hypothalamic hamartoma: a case report. 2009 , 50, 1624-31	20
1712	Transverse patterning dissociates human EEG theta power and hippocampal BOLD activation. 2009 , 46, 153-62	20
1711	Phenotypic and genetic correlations between evoked EEG/ERP measures during the response anticipation period of a delayed response task. 2009 , 46, 344-56	8
1710	Validation of regression-based myogenic correction techniques for scalp and source-localized EEG. 2009 , 46, 578-92	34
1709	Cognitive processes facilitated by contextual cueing: evidence from event-related brain potentials. 2009 , 46, 668-79	48
1708	A simple classification tool for single-trial analysis of ERP components. 2009 , 46, 747-57	10
1707	Bilateral parietal and contralateral responses during maintenance of unilaterally encoded objects in visual short-term memory: evidence from magnetoencephalography. 2009 , 46, 1090-9	65
1706	Modulation of the error-related negativity by response conflict. 2009 , 46, 1288-98	114
1705	When cognitive control is calibrated: event-related potential correlates of adapting to information-processing conflict despite erroneous response preparation. 2009 , 46, 1226-33	24

1704	Single-trial classification of vowel speech imagery using common spatial patterns. 2009 , 22, 1334-9		126
1703	Movement induces suppression of interictal spikes in sensorimotor neocortical epilepsy. 2009 , 87, 12-7		8
1702	Distributed analysis of simultaneous EEG-fMRI time-series: modeling and interpretation issues. 2009 , 27, 1120-30		32
1701	Single-trial P300 estimation with a spatiotemporal filtering method. <i>Journal of Neuroscience Methods</i> , 2009 , 177, 488-96	3	20
1700	Consensus Matching Pursuit for multi-trial EEG signals. <i>Journal of Neuroscience Methods</i> , 2009 , 180, 161-70		31
1699	Graphical modelling for brain connectivity via partial coherence. <i>Journal of Neuroscience Methods</i> , 2009 , 180, 374-83	3	48
1698	Oscillatory brain states interact with late cognitive components of the somatosensory evoked potential. <i>Journal of Neuroscience Methods</i> , 2009 , 183, 49-56	3	32
1697	Analyzing large data sets acquired through telemetry from rats exposed to organophosphorous compounds: an EEG study. <i>Journal of Neuroscience Methods</i> , 2009 , 184, 176-83	3	23
1696	Detection of neural correlates of self-paced motor activity using empirical mode decomposition phase locking analysis. <i>Journal of Neuroscience Methods</i> , 2009 , 184, 54-70	3	20
1695	Working memory in children with epilepsy: an event-related potentials study. 2009 , 86, 183-90		18
1694	Attention to faces modulates early face processing during low but not high face discriminability. 2009 , 71, 837-46		31
1693	Removal of the ballistocardiographic artifact from EEG-fMRI data: a canonical correlation approach. 2009 , 54, 1673-89		10
1692	Source localization of EEG/MEG data by correlating columns of ICA and lead field matrices. 2009 , 56, 2619-26		22
1691	Phase resetting and evoked activity contribute to the genesis of P300 signal in BCI system. 2009 ,		
1690	A General Framework of Brain-Computer Interface with Visualization and Virtual Reality Feedback. 2009 ,		3
1689	Evoked activity and EEG phase resetting in the genesis of auditory Go/NoGo ERPs. 2009 , 80, 292-9		59
1688	Gesture and metaphor comprehension: electrophysiological evidence of cross-modal coordination by audiovisual stimulation. 2009 , 70, 42-52		87
1687	Brain oscillations during semantic evaluation of speech. 2009 , 70, 259-66		92

1686	Frequency-band coupling in surface EEG reflects spiking activity in monkey visual cortex. 2009 , 64, 281-9	255
1685	Hearing illusory sounds in noise: the timing of sensory-perceptual transformations in auditory cortex. 2009 , 64, 550-61	60
1684	Event-related delta and theta synchronization during explicit and implicit emotion processing. 2009 , 164, 1588-600	139
1683	Power spectral density changes and language lateralization during covert object naming tasks measured with high-density EEG recordings. 2009 , 14, 54-9	13
1682	Is cortical distribution of spectral power a stable individual characteristic?. 2009 , 72, 123-33	18
1681	Linking brain, mind and behavior. 2009 , 73, 95-100	231
1680	Brain dynamics in the auditory oddball task as a function of stimulus intensity and task requirements. 2009 , 73, 313-25	8
1679	Greater frontal-parietal synchrony at low gamma-band frequencies for inefficient than efficient visual search in human EEG. 2009 , 73, 350-4	63
1678	Left-edge boundary tone and main clause verb effects on syntactic processing in embedded clauses [An ERP study. 2009 , 22, 55-73	21
1677	EEG-correlates of trait anxiety in the stop-signal paradigm. 2009 , 449, 112-6	40
1676	Boosting up gamma-band oscillations leaves target-stimulus in masking out of awareness: Explaining an apparent paradox. 2009 , 450, 351-5	20
1675	Crossmodal transfer of emotion by music. 2009 , 455, 129-33	70
1674	Early induced beta/gamma activity during illusory contour perception. 2009 , 462, 244-7	6
1673	Effects of task complexity and sensory conflict on goal-directed movement. 2009 , 464, 10-3	14
1672	Phased processing of facial emotion: an ERP study. 2009 , 64, 30-40	56
1671	Global synchronization in the theta band during mental imagery of navigation in humans. 2009 , 65, 44-52	14
1670	Delta-alpha ratio correlates with level of recovery after neurorehabilitation in patients with acquired brain injury. 2009 , 120, 1039-45	61
1669	Independent component analysis reveals atypical electroencephalographic activity during visual perception in individuals with autism. 2009 , 65, 22-30	113

1668	The involvement of cognitive processing in a perceptual-motor process examined with EEG time-frequency analysis. 2009 , 120, 484-96	4
1667	Alternative cerebral generators and circuitry pathways in alpha coma revealed by independent component analysis. 2009 , 120, 686-94	5
1666	The right hemisphere fails to respond to temporal novelty in autism: evidence from an ERP study. 2009 , 120, 520-9	39
1665	Electrophysiological study of the basal temporal language area: a convergence zone between language perception and production networks. 2009 , 120, 539-50	21
1664	Semi-automatic identification of independent components representing EEG artifact. 2009 , 120, 868-77	245
1663	Reproducibility and clinical relevance of quantitative EEG parameters in cerebral ischemia: a basic approach. 2009 , 120, 845-55	76
1662	Two discrete components of the 20 Hz steady-state response are distinguished through the modulation of activation level. 2009 , 120, 904-9	11
1661	Differential effect of first versus second concussive episodes on wavelet information quality of EEG. 2009 , 120, 862-7	58
1660	Developmental brain alterations in 17 year old boys are related to antenatal maternal anxiety. 2009 , 120, 1116-22	55
1659	Classification of schizophrenia with spectro-temporo-spatial MEG patterns in working memory. 2009 , 120, 1123-34	22
1658	Cognitive inhibition of number/length interference in a Piaget-like task: evidence by combining ERP and MEG. 2009 , 120, 1501-13	16
1657	N200-speller using motion-onset visual response. 2009 , 120, 1658-66	151
1656	Investigation of cue-based vertical and horizontal eye movements with electroencephalographic and eye-tracking data. 2009 , 120, 1988-1993	10
1655	Classification of patterns of EEG synchronization for seizure prediction. 2009 , 120, 1927-1940	248
1654	Composite Common Spatial Pattern for Subject-to-Subject Transfer. 2009 , 16, 683-686	152
1653	NeuroTRIP: A Framework for Bridging between Open Source Software. Application to Training a Brain Machine Interface. 2009 ,	0
1652	Intermodal auditory, visual, and tactile attention modulates early stages of neural processing. 2009 , 21, 669-83	69
1651	Feature Extraction and Classification of EEG Signals Using Wavelet Transform, SVM and Artificial Neural Networks for Brain Computer Interfaces. 2009 ,	24

1650	Adaptive changes of rhythmic EEG oscillations in space implications for brain-machine interface applications. 2009 , 86, 171-87	7
1649	Natural frequencies of human corticothalamic circuits. 2009 , 29, 7679-85	428
1648	A novel segmentation, mutual information network framework for EEG analysis of motor tasks. 2009 , 8, 9	16
1647	Mental training enhances attentional stability: neural and behavioral evidence. 2009 , 29, 13418-27	304
1646	Oscillatory activity and phase-amplitude coupling in the human medial frontal cortex during decision making. 2009 , 21, 390-402	151
1645	Electrophysiological correlates of word comprehension: event-related potential (ERP) and independent component analysis (ICA). 2009 , 48, 1-11	25
1644	Coordinated Activity in the Brain. 2009 ,	7
1643	Artifact removal in EEG using Morphological Component Analysis. 2009 ,	19
1642	Single trial EEG classification of observed wrist movements. 2009 ,	
1641	Automatic Removal of Ocular Artifacts from EEG Signals. 2009 ,	1
1640	Correlation Between Forehead EEG and Sensorimotor Area EEG in Motor Imagery Task. 2009 ,	10
1639	Evaluating the efficacy of an automated procedure for EEG artifact removal. 2009 , 2009, 376-9	2
1638	An auditory BCI using voluntary mental response. 2009 ,	4
1637	EEG error-related potentials detection with a Bayesian filter. 2009 ,	4
1636	. 2009 ,	
1635	Improved separability of dipole sources by tripolar versus conventional disk electrodes: A modeling study using independent component analysis. 2009 ,	
1634	Open Source Programming for Interpreted Language: Graphic Interface and Macro Bridging Interface in the EEGLAB Software. 2009 ,	
1633	Comparator and non-comparator mechanisms of change detection in the context of speech--an ERP study. 2009 , 44, 546-62	14

1632	Investigating the neural correlates of continuous speech computation with frequency-tagged neuroelectric responses. 2009 , 44, 509-19	87
1631	Space-time-frequency analysis of EEG data using within-subject statistical tests followed by sequential PCA. 2009 , 45, 109-21	20
1630	Object knowledge during entry-level categorization is activated and modified by implicit memory after 200 ms. 2009 , 44, 1423-38	69
1629	Identifying reliable independent components via split-half comparisons. 2009 , 45, 1199-211	133
1628	Genetic determinants of target and novelty-related event-related potentials in the auditory oddball response. 2009 , 46, 809-16	47
1627	Steady state and induced auditory gamma deficits in schizophrenia. 2009 , 47, 1711-9	107
1626	Musical training modulates the development of syntax processing in children. 2009 , 47, 735-44	123
1625	Spatio-temporal dynamics of reach-related neural activity for visual and somatosensory targets. 2009 , 47, 1767-77	19
1624	Motor conflict in Stroop tasks: direct evidence from single-trial electro-myography and electro-encephalography. 2009 , 47, 1960-73	42
1623	Dissociable medial frontal negativities from a common monitoring system for self- and externally caused failure of goal achievement. 2009 , 47, 2023-30	124
1622	Ultrahigh-frequency EEG during fMRI: pushing the limits of imaging-artifact correction. 2009 , 48, 94-108	56
1621	Decoding center-out hand velocity from MEG signals during visuomotor adaptation. 2009 , 47, 1691-700	55
1620	ERP and behavioural evidence for direct suppression of unwanted memories. 2009 , 48, 726-37	87
1619	Altered temporal correlations in parietal alpha and prefrontal theta oscillations in early-stage Alzheimer disease. 2009 , 106, 1614-9	204
1618	Blind Decomposition of Spectral Imaging Microscopy: A Study on Artificial and Real Test Data. 2009 , 548-556	3
1617	Trial-by-trial coupling between EEG and BOLD identifies networks related to alpha and theta EEG power increases during working memory maintenance. 2009 , 44, 1224-38	242
1616	BOLD correlates of EEG alpha phase-locking and the fMRI default mode network. 2009 , 45, 903-16	211
1615	Signal Extraction in Multisensor Biomedical Recordings. 2009 , 95-143	1

1614	Localization of Generalized Discharge Sources in Patients with Juvenile Myoclonic Epilepsy Using Independent Components Analysis. 2009 , 411-418	0
1613	To see or not to see: prestimulus alpha phase predicts visual awareness. 2009 , 29, 2725-32	698
1612	An online multi-channel SSVEP-based brain-computer interface using a canonical correlation analysis method. 2009 , 6, 046002	462
1611	Human microsaccade-related visual brain responses. 2009 , 29, 12321-31	114
1610	Early integration of form and motion in the neural response to biological motion. 2009 , 20, 1334-8	9
1609	Ictal localization by invasive recording of infraslow activity with DC-coupled amplifiers. 2009 , 26, 135-44	19
1608	Impaired theta phase-resetting underlying auditory N1 suppression in chronic alcoholism. 2009 , 20, 337-42	6
1607	Inverse modeling on decomposed electroencephalographic data: a way forward?. 2009 , 26, 227-35	24
1606	Facilitation of visual processing by masked presentation of a conditioned facial stimulus. 2009 , 20, 750-4	12
1605	Sensory gating impairments in heavy cannabis users are associated with altered neural oscillations. 2009 , 123, 894-904	39
1604	Multi-Way Array (Tensor) Factorizations and Decompositions. 337-432	4
1603	An ERP examination of the different effects of sleep deprivation on exogenously cued and endogenously cued attention. 2009 , 32, 1285-97	39
1602	Changes in performance monitoring during sensorimotor adaptation. 2009 , 102, 1868-79	76
1601	Electrical neuroimaging in the time domain. 111-144	27
1600	The neural correlates of intending not to do something. 2009 , 101, 1913-20	17
1599	Dissociated behavior of low-frequency responses and high-frequency oscillations after systemic morphine administration in conscious rats. 2010 , 21, 2-7	6
1598	Automatic removal of various artifacts from EEG signals using combined methods. 2010 , 27, 312-20	10
1597	An event-related potential study of temporal information encoding and decision making. 2010 , 21, 152-5	6

1596	Electroencephalographic dynamics of musical emotion perception revealed by independent spectral components. 2010 , 21, 410-5	40
1595	ERP effects of change localization, change identification, and change blindness. 2010 , 21, 371-5	24
1594	Negative feedback influences auditory recognition: behavioral and event-related potential evidence. 2010 , 21, 751-5	
1593	Gamma band unit activity and population responses in the pedunculopontine nucleus. 2010 , 104, 463-74	73
1592	Removal of movement artifact from high-density EEG recorded during walking and running. 2010 , 103, 3526-34	416
1591	Evidence for opponent-channel coding of interaural time differences in human auditory cortex. 2010 , 104, 1997-2007	81
1590	Combining computer game-based behavioural experiments with high-density EEG and infrared gaze tracking. 2010 ,	6
1589	Investigation of linear coupling between single-event blood flow responses and interictal discharges in a model of experimental epilepsy. 2010 , 103, 3139-52	21
1588	Development of auditory phase-locked activity for music sounds. 2010 , 103, 218-29	38
1587	Masked priming from orthographic neighbors: an ERP investigation. 2010 , 36, 162-74	40
1586	Gender differences in implicit and explicit processing of emotional facial expressions as revealed by event-related theta synchronization. 2010 , 10, 678-87	61
1585	Capture versus suppression of attention by salient singletons: electrophysiological evidence for an automatic attend-to-me signal. 2010 , 72, 1455-70	244
1584	Event-related potentials to overlapping shapes: effects of saliency and interference. 2010 , 72, 1471-9	
1583	A new device to present textured stimuli to touch with simultaneous EEG recording. 2010 , 42, 547-55	8
1582	Controlling low-level image properties: the SHINE toolbox. 2010 , 42, 671-84	573
1581	Temporal precedence of emotion over attention modulations in the lateral amygdala: Intracranial ERP evidence from a patient with temporal lobe epilepsy. 2010 , 10, 83-93	99
1580	Induced cortical gamma-band oscillations reflect cognitive control elicited by implicit probability cues in the preparing-to-overcome-prepotency (POP) task. 2010 , 10, 431-40	4
1579	Independent component analysis for robust assessment of auditory system maturation in children with cochlear implants. 2010 , 11, 71-83	2

1578	EEG dynamics reflects the partial and holistic effects in mental imagery generation. 2010 , 11, 944-51	6
1577	Disturbance of automatic auditory change detection in dementia associated with Parkinson's disease: A mismatch negativity study. 2010 , 31, 104-13	49
1576	Effects of response-set size on error-related brain activity. 2010 , 202, 571-81	12
1575	Competitive effects on steady-state visual evoked potentials with frequencies in- and outside the β band. 2010 , 205, 489-95	18
1574	Consistency of the blind source separation computed with five common algorithms for magnetoencephalogram background activity. 2010 , 32, 1137-44	5
1573	Compatibility between stimulated eye, target location and response location. 2010 , 74, 291-301	7
1572	Occipital gamma activation during Vipassana meditation. 2010 , 11, 39-56	144
1571	The removal of ocular artifacts from EEG signals using adaptive filters based on ocular source components. 2010 , 38, 3489-99	25
1570	Endophenotypes in a dynamically connected brain. 2010 , 40, 167-77	72
1569	Real-time removal of ocular artifacts from EEG based on independent component analysis and manifold learning. 2010 , 19, 1217-1226	18
1568	Discrimination of left and right leg motor imagery for brain-computer interfaces. 2010 , 48, 343-50	23
1567	Bacteria Hunt. 2010 , 4, 11-25	56
1566	Neurophysiologic markers of abnormal brain activity in schizophrenia. 2010 , 12, 572-8	43
1565	Wavelet analysis as a tool for investigating movement-related cortical oscillations in EEG-fMRI coregistration. 2010 , 23, 46-57	23
1564	Using EEG to explore how rTMS produces its effects on behavior. 2010 , 22, 281-93	36
1563	Are females more responsive to emotional stimuli? A neurophysiological study across arousal and valence dimensions. 2010 , 23, 27-40	192
1562	Automatic removal of eye-movement and blink artifacts from EEG signals. 2010 , 23, 105-14	57
1561	Canonical bicoherence analysis of dynamic EEG data. 2010 , 29, 23-34	9

1560	Disentanglement of local field potential sources by independent component analysis. 2010 , 29, 445-57	53
1559	Comparative power spectral analysis of simultaneous electroencephalographic and magnetoencephalographic recordings in humans suggests non-resistive extracellular media. 2010 , 29, 405-21	80
1558	Effects of Correct and Wrong Answers on ERPs Recorded under Conditions of the Continuous Performance Test in ADHD/Normal Participants. 2010 , 42, 213-220	7
1557	Likeness-based detection of sleep slow oscillations in normal and altered sleep conditions: application on low-density EEG recordings. 2010 , 57, 363-72	14
1556	Graph-based variability estimation in single-trial event-related neural responses. 2010 , 57, 1051-61	13
1555	Removal of ballistocardiogram artifacts using the cyclostationary source extraction method. 2010 , 57,	24
1554	Toward emotion aware computing: an integrated approach using multichannel neurophysiological recordings and affective visual stimuli. 2010 , 14, 589-97	139
1553	Alteration of cortical functional connectivity as a result of traumatic brain injury revealed by graph theory, ICA, and sLORETA analyses of EEG signals. 2010 , 18, 11-9	84
1552	An auditory brain-computer interface using active mental response. 2010 , 18, 230-5	60
1551	Learning from EEG error-related potentials in noninvasive brain-computer interfaces. 2010 , 18, 381-8	142
1550	Reduced overnight consolidation of procedural learning in chronic medicated schizophrenia is related to specific sleep stages. 2010 , 44, 112-20	113
1549	Delays in neural processing during working memory encoding in normal aging. 2010 , 48, 13-25	75
1548	Errors recruit both cognitive and emotional monitoring systems: simultaneous intracranial recordings in the dorsal anterior cingulate gyrus and amygdala combined with fMRI. 2010 , 48, 1144-59	99
1547	Altered evoked gamma-band responses reveal impaired early visual processing in ADHD children. 2010 , 48, 1985-93	35
1546	Altered cingulate sub-region activation accounts for task-related dissociation in ERN amplitude as a function of obsessive-compulsive symptoms. 2010 , 48, 2098-109	37
1545	The time-course of auditory and visual distraction effects in a new crossmodal paradigm. 2010 , 48, 2130-9	39
1544	An electrophysiological study of response conflict processing across the lifespan: assessing the roles of conflict monitoring, cue utilization, response anticipation, and response suppression. 2010 , 48, 3305-16	89
1543	Motion-onset visual evoked potentials predict performance during a global direction discrimination task. 2010 , 48, 3563-72	13

1542	Adaptation modulates the electrophysiological substrates of perceived facial distortion: support for opponent coding. 2010 , 48, 3743-56	22
1541	The modulation of auditory novelty processing by working memory load in school age children and adults: a combined behavioral and event-related potential study. 2010 , 11, 126	37
1540	Temporo-insular enhancement of EEG low and high frequencies in patients with chronic tinnitus. QEEG study of chronic tinnitus patients. 2010 , 11, 40	101
1539	Aerobic exercise during pregnancy influences fetal cardiac autonomic control of heart rate and heart rate variability. 2010 , 86, 213-7	80
1538	EEG theta and alpha responses reveal qualitative differences in processing taxonomic versus thematic semantic relationships. 2010 , 114, 16-25	52
1537	Misaligning face halves increases and delays the N170 specifically for upright faces: implications for the nature of early face representations. 2010 , 1318, 96-109	41
1536	Differences in the neural basis of automatic auditory and visual time perception: ERP evidence from an across-modal delayed response oddball task. 2010 , 1325, 100-11	25
1535	Word accents and morphology--ERPs of Swedish word processing. 2010 , 1330, 114-23	30
1534	Neural correlates of top-down processing in emotion perception: an ERP study of emotional faces in white noise versus noise-alone stimuli. 2010 , 1337, 56-63	18
1533	Steady-state visually evoked potential correlates of object recognition. 2010 , 1343, 112-21	32
1532	Role of frontal and parietal cortices in the control of bottom-up and top-down attention in humans. 2010 , 1344, 173-84	70
1531	Encoding of visual-spatial information in working memory requires more cerebral efforts than retrieval: Evidence from an EEG and virtual reality study. 2010 , 1347, 80-9	48
1530	Separating the visual sentence N400 effect from the P400 sequential expectancy effect: cognitive and neuroanatomical implications. 2010 , 1355, 126-40	54
1529	Signal enhancement and suppression during visual-spatial selective attention. 2010 , 1359, 155-77	36
1528	Perception of a Japanese vowel length contrast by Japanese and American English listeners: behavioral and electrophysiological measures. 2010 , 1360, 89-105	40
1527	Brain responses evoked by high-frequency repetitive transcranial magnetic stimulation: an event-related potential study. 2010 , 3, 2-14	50
1526	Priming resolves perceptual ambiguity in visual search: evidence from behaviour and electrophysiology. 2010 , 50, 1362-71	16
1525	Electroencephalographic Coherence and Learning: Distinct Patterns of Change During Word Learning and Figure Learning Tasks. 2010 , 4, 208-218	2

1524	Independent component analysis of erroneous and correct responses suggests online response control. 2010 , 31, 1305-15		67
1523	Objective detection of subtle freezing of gait episodes in Parkinson's disease. 2010 , 25, 1684-93		60
1522	Fast human brain magnetic resonance responses associated with epileptiform spikes. 2010 , 64, 1728-38		16
1521	Multimodal imaging: an evaluation of univariate and multivariate methods for simultaneous EEG/fMRI. 2010 , 28, 1104-12		28
1520	Avoiding the ballistocardiogram (BCG) artifact of EEG data acquired simultaneously with fMRI by pulse-triggered presentation of stimuli. <i>Journal of Neuroscience Methods</i> , 2010 , 186, 231-41	3	15
1519	A MATLAB toolbox for Granger causal connectivity analysis. <i>Journal of Neuroscience Methods</i> , 2010 , 186, 262-73	3	55 ¹
1518	The ERP PCA Toolkit: an open source program for advanced statistical analysis of event-related potential data. <i>Journal of Neuroscience Methods</i> , 2010 , 187, 138-45	3	357
1517	Visualization and modelling of STLmax topographic brain activity maps. <i>Journal of Neuroscience Methods</i> , 2010 , 189, 281-94	3	17
1516	Neuroelectromagnetic forward head modeling toolbox. <i>Journal of Neuroscience Methods</i> , 2010 , 190, 258-70	3	89
1515	FASTER: Fully Automated Statistical Thresholding for EEG artifact Rejection. <i>Journal of Neuroscience Methods</i> , 2010 , 192, 152-62	3	60 ³
1514	Tracking brain dynamics via time-dependent network analysis. <i>Journal of Neuroscience Methods</i> , 2010 , 193, 145-55	3	89
1513	Coupling of simultaneously acquired electrophysiological and haemodynamic responses during visual stimulation. 2010 , 28, 1066-77		12
1512	Integration of EEG source imaging and fMRI during continuous viewing of natural movies. 2010 , 28, 1135-42		32
1511	Brain oscillatory activity during motor imagery in EEG-fMRI coregistration. 2010 , 28, 1403-12		66
1510	Time-locked and phase-locked features of P300 event-related potentials (ERPs) for brain-computer interface speller. 2010 , 5, 243-251		33
1509	Peri-ictal correlation dynamics of high-frequency (80-200 Hz) intracranial EEG. 2010 , 89, 72-81		23
1508	Cortical potential imaging using L-curve and GCV method to choose the regularisation parameter. 2010 , 4 Suppl 1, S4		4
1507	Transient process of cortical activity during Necker cube perception: from local clusters to global synchrony. 2010 , 4 Suppl 1, S7		12

1506	Evaluating two-step PCA of ERP data with Geomin, Infomax, Oblimin, Promax, and Varimax rotations. 2010 , 47, 170-83	208
1505	Measurement of mismatch negativity in individuals: a study using single-trial analysis. 2010 , 47, 697-705	38
1504	Correction of blink artifacts using independent component analysis and empirical mode decomposition. 2010 , 47, 955-60	21
1503	The effects of electrode impedance on data quality and statistical significance in ERP recordings. 2010 , 47, 888-904	168
1502	Effects of cycling exercise on vigor, fatigue, and electroencephalographic activity among young adults who report persistent fatigue. 2010 , 47, 1066-74	14
1501	Validation of ICA as a tool to remove eye movement artifacts from EEG/ERP. 2010 , 47, 1142-50	36
1500	Event-related oscillations versus event-related potentials in a P300 task as biomarkers for alcoholism. 2010 , 34, 669-80	36
1499	Electrophysiological indices of abnormal error-processing in adolescents with attention deficit hyperactivity disorder (ADHD). 2010 , 51, 66-76	72
1498	Brain potentials related to corpus cavernosum electromyography. 2010 , 22, 171-8	2
1497	Dynamic links between theta executive functions and alpha storage buffers in auditory and visual working memory. 2010 , 31, 1683-9	93
1496	Sensory gating in primary insomnia. 2010 , 31, 2112-21	28
1495	Evidence for early specialized processing of speech formant information in anterior and posterior human auditory cortex. 2010 , 32, 684-92	8
1494	Refinement of metre perception--training increases hierarchical metre processing. 2010 , 32, 1979-85	57
1493	Auditory steady state response in bipolar disorder: relation to clinical state, cognitive performance, medication status, and substance disorders. 2010 , 12, 793-803	53
1492	A Soft Admission Control methodology for wireless Ad-Hoc networks: Evaluating the impact on existing flows before admission. 2010 ,	
1491	Healthy aging delays scalp EEG sensitivity to noise in a face discrimination task. 2010 , 1, 19	31
1490	Open source tools for the information theoretic analysis of neural data. 2010 , 4,	22
1489	Neural correlates of attentional and mnemonic processing in event-based prospective memory. 2010 , 4, 5	18

1488	Visual target selection and motor planning define attentional enhancement at perceptual processing stages. 2010 , 4, 14	15
1487	Knowledge-Driven Contrast Gain Control is Characterized by Two Distinct Electro cortical Markers. 2010 , 3, 78	3
1486	Quantifying auditory event-related responses in multichannel human intracranial recordings. 2010 , 4, 4	32
1485	Mal-adaptation of event-related EEG responses preceding performance errors. 2010 , 4,	39
1484	Visual evoked responses during standing and walking. 2010 , 4, 202	146
1483	Deconstructing the "resting" state: exploring the temporal dynamics of frontal alpha asymmetry as an endophenotype for depression. 2010 , 4, 232	50
1482	Temporal coding of brain patterns for direct limb control in humans. 2010 , 4,	38
1481	Effect of aerobic training on EEG alpha asymmetry and depressive symptoms in the elderly: a 1-year follow-up study. 2010 , 43, 585-92	44
1480	Temporo-spatial dynamics of event-related EEG beta activity during the initial contingent negative variation. 2010 , 5, e12514	22
1479	Stochastic resonance modulates neural synchronization within and between cortical sources. 2010 , 5, e14371	74
1478	Neurophysiological evidence for the influence of past experience on figure-ground perception. 2010 , 10, 5.1-21	28
1477	Magnetoencephalography demonstrates multiple asynchronous generators during human sleep spindles. 2010 , 104, 179-88	50
1476	Minor contribution of principal excitatory pathways to hippocampal LFPs in the anesthetized rat: a combined independent component and current source density study. 2010 , 104, 484-97	25
1475	"Seeing" electroencephalogram through the skull: imaging prefrontal cortex with fast optical signal. 2010 , 15, 061702	22
1474	Preparatory activations across a distributed cortical network determine production of express saccades in humans. 2010 , 30, 7350-7	34
1473	Modulation of face processing by emotional expression and gaze direction during intracranial recordings in right fusiform cortex. 2010 , 22, 2086-107	45
1472	Diminished parietal cortex activity associated with poor motion direction discrimination performance in schizophrenia. 2010 , 20, 1749-55	28
1471	Automatic removal of eye-blink artifacts based on ICA and peak detection algorithm. 2010 ,	3

1470	Temporally distinct neural coding of perceptual similarity and prototype bias. 2010 , 10, 12	11
1469	Acute tryptophan depletion selectively attenuates cardiac slowing in an Eriksen flanker task. 2010 , 24, 1455-63	4
1468	Neural time course of echo suppression in humans. 2010 , 30, 1905-13	9
1467	The relationship between behavioural microsleeps, visuomotor performance and EEG theta. 2010 , 2010, 4452-5	6
1466	Single-trial EEG power and phase dynamics associated with voluntary response inhibition. 2010 , 22, 714-27	65
1465	Hippocampal gamma oscillations increase with memory load. 2010 , 30, 2694-9	142
1464	EEG Spectral Analysis of Workload for a Part-task UAV Simulation. 2010 , 54, 200-204	2
1463	Detection of neonatal seizure using multiple filters. 2010 ,	1
1462	Identical fits of nonnegative matrix/tensor factorization may correspond to different extracted event-related potentials. 2010 ,	4
1461	Modifying the Spatially-Constrained ICA for Efficient Removal of Artifacts from EEG Data. 2010 ,	2
1460	Reduced spatial focality of electrical field in tDCS with ring electrodes due to tissue anisotropy. 2010 , 2010, 2053-6	7
1459	Arousing feedback rectifies lapse in performance and corresponding EEG power spectrum. 2010 , 2010, 1792-5	6
1458	Influence of EEG artifacts on detecting neonatal seizure. 2010 ,	1
1457	Event-related perturbation in spectral power and in potentials during periodic fast and slow motor imagination for brain-controlled robots interface. 2010 ,	5
1456	Spectral Spatio-Temporal template extraction from EEG signals. 2010 , 2010, 4678-82	2
1455	Reconstructing three-dimensional hand movements from noninvasive electroencephalographic signals. 2010 , 30, 3432-7	250
1454	Visual object representations can be formed outside the focus of voluntary attention: evidence from event-related brain potentials. 2010 , 22, 1179-88	34
1453	A novel approach to improve the performance of the P300 speller paradigm. 2010 ,	

1452	Concatenated trial based Hilbert-Huang transformation on event-related potentials. 2010 ,	1
1451	Automatic artifact removal from EEG - a mixed approach based on double blind source separation and support vector machine. 2010 , 2010, 5383-6	14
1450	Language acquisition in premature and full-term infants. 2010 , 107, 3823-8	110
1449	Attention protects the fidelity of visual memory: behavioral and electrophysiological evidence. 2010 , 30, 13461-71	20
1448	Developmental tuning and decay in senescence of oscillations linking the corticospinal system. 2010 , 30, 3663-74	52
1447	Phase entrainment of human delta oscillations can mediate the effects of expectation on reaction speed. 2010 , 30, 13578-85	280
1446	Single-trial based independent component analysis on mismatch negativity in children. 2010 , 20, 279-92	28
1445	Towards a brain controlled assistive technology for powered mobility. 2010 , 2010, 4176-80	6
1444	Removal of ballistocardiogram artifacts exploiting second order cyclostationarity. 2010 ,	1
1443	Reward changes salience in human vision via the anterior cingulate. 2010 , 30, 11096-103	437
1442	Stimulation of the frontal eye field reveals persistent effective connectivity after controlled behavior. 2010 , 30, 4295-305	19
1441	Superposition model predicts EEG occipital activity during free viewing of natural scenes. 2010 , 30, 4787-95	47
1440	Cortical networks produce three distinct 7-12 Hz rhythms during single sensory responses in the awake rat. 2010 , 30, 4315-24	33
1439	Lower-frequency event-related desynchronization: a signature of late mismatch responses to sounds, which is reduced or absent in children with specific language impairment. 2010 , 30, 15578-84	48
1438	Prefrontal cortex and basal ganglia contributions to visual working memory. 2010 , 107, 18167-72	131
1437	Continuous perception and graded categorization: electrophysiological evidence for a linear relationship between the acoustic signal and perceptual encoding of speech. 2010 , 21, 1532-40	123
1436	Online removal of muscle artifact from electroencephalogram signals based on canonical correlation analysis. 2010 , 41, 53-9	76
1435	The adaptive pattern of the late auditory evoked potential elicited by repeated stimuli in cochlear implant users. 2010 , 49, 277-85	28

1434	Prosody meets syntax: the role of the corpus callosum. 2010 , 133, 2643-55	53
1433	Default network connectivity reflects the level of consciousness in non-communicative brain-damaged patients. 2010 , 133, 161-71	574
1432	Evidence for gamma inhibition deficits in the dorsolateral prefrontal cortex of patients with schizophrenia. 2010 , 133, 1505-14	120
1431	Heterogeneous neuronal firing patterns during interictal epileptiform discharges in the human cortex. 2010 , 133, 1668-81	119
1430	Multiple forms of learning yield temporally distinct electrophysiological repetition effects. 2010 , 20, 1726-38	50
1429	Waveform analysis of non-oscillatory independent components in single-trial auditory event-related activity in healthy subjects and Alzheimer's disease patients. 2010 , 7, 334-47	5
1428	Reliability of long-interval cortical inhibition in healthy human subjects: a TMS-EEG study. 2010 , 104, 1339-46	85
1427	Duration of coherence intervals in electrical brain activity in perceptual organization. 2010 , 20, 365-82	17
1426	Validation of independent component analysis for rapid spike sorting of optical recording data. 2010 , 104, 3721-31	18
1425	Auditory Evoked Potentials after Cochlear Implantation. 2010 , 11, 99-103	
1424	MATLAB-Based Tools for BCI Research. 2010 , 241-259	22
1423	Selected Abstracts of Conference Presentations at the 2010 International Society for Neurofeedback and Research (ISNR) 18th Annual Conference, Denver, Colorado. 2010 , 14, 321-371	
1422	Characteristics of stimulus artifacts in EEG recordings induced by electrical stimulation of cochlear implants. 2010 ,	6
1421	Analysis of Design Activities Using EEG Signals. 2010 ,	17
1420	. 2010 ,	2
1419	Hemicraniectomy: a new model for human electrophysiology with high spatio-temporal resolution. 2010 , 22, 2491-502	39
1418	EEG. 2010 ,	3
1417	Independent component analysis for source localization of EEG sleep spindle components. 2010 , 329436	27

1416	Common anatomical and external coding for hands and feet in tactile attention: evidence from event-related potentials. 2010 , 22, 184-202	77
1415	Lateralized frontal eye field activity precedes occipital activity shortly before saccades: evidence for cortico-cortical feedback as a mechanism underlying covert attention shifts. 2010 , 22, 1931-43	23
1414	Processing expectancy violations during music performance and perception: an ERP study. 2010 , 22, 2401-13	55
1413	The role of awareness in semantic and syntactic processing: an ERP attentional blink study. 2010 , 22, 2514-29	29
1412	Evidence of cognitive and neurophysiological impairment in patients with untreated naive acromegaly. 2010 , 95, 4367-79	55
1411	Ethical and regulatory challenges in psychophysiology and neuroscience-based technology for determining behavior. 2010 , 17, 8-29	16
1410	Social Robotics. 2010 ,	
1409	Cognitive Biometrics: Challenges for the Future. 2010 , 79-86	14
1408	Shifts in gamma phase-amplitude coupling frequency from theta to alpha over posterior cortex during visual tasks. 2010 , 4, 191	275
1407	Ketamine modulates theta and gamma oscillations. 2010 , 22, 1452-64	164
1406	The role of the corpus callosum in transcranial magnetic stimulation induced interhemispheric signal propagation. 2010 , 68, 825-31	85
1405	Validating β oscillations and delayed auditory responses as translational biomarkers of autism. 2010 , 68, 1100-6	218
1404	Additional value of quantitative EEG in acute anterior circulation syndrome of presumed ischemic origin. 2010 , 121, 1719-25	38
1403	Lateralised EEG power and phase dynamics related to motor response execution. 2010 , 121, 1711-8	10
1402	Neurophysiological evidence of impaired musical sound perception in cochlear-implant users. 2010 , 121, 2070-82	59
1401	Changes in movement-related β band EEG signals in human spinal cord injury. 2010 , 121, 2017-23	45
1400	Dysfunctional gamma-band activity during face structural processing in schizophrenia patients. 2010 , 119, 191-7	29
1399	Evidence for excessive frontal evoked gamma oscillatory activity in schizophrenia during working memory. 2010 , 121, 146-52	93

1398	Aberrant EEG responses to gamma-frequency visual stimulation in schizophrenia. 2010 , 124, 101-9	18
1397	Increased temporal variability of auditory event-related potentials in schizophrenia and Schizotypal Personality Disorder. 2010 , 124, 110-8	27
1396	Impaired information processing speed and attention allocation in multiple sclerosis patients versus controls: a high-density EEG study. 2010 , 293, 45-50	16
1395	Multi-set canonical correlation analysis for the fusion of concurrent single trial ERP and functional MRI. 2010 , 50, 1438-45	110
1394	Large-scale spontaneous fluctuations and correlations in brain electrical activity observed with magnetoencephalography. 2010 , 51, 102-11	116
1393	Rostral Cingulate Zone and correct response monitoring: ICA and source localization evidences for the unicity of correct- and error-negativities. 2010 , 51, 391-403	127
1392	Premotor cortex mediates perceptual performance. 2010 , 51, 844-58	76
1391	Separating distinct aspects of the voluntary selection between response alternatives: N2- and P3-related BOLD responses. 2010 , 51, 356-64	40
1390	Predicting variations of perceptual performance across individuals from neural activity using pattern classifiers. 2010 , 51, 1425-37	52
1389	Size and probability of rewards modulate the feedback error-related negativity associated with wins but not losses in a monetarily rewarded gambling task. 2010 , 51, 1194-204	102
1388	Tonic and phasic EEG and behavioral changes induced by arousing feedback. 2010 , 52, 633-42	97
1387	Reactivity of hemodynamic responses and functional connectivity to different states of alpha synchrony: a concurrent EEG-fMRI study. 2010 , 52, 1252-60	95
1386	Cutaneous stimulation of the digits and lips evokes responses with different adaptation patterns in primary somatosensory cortex. 2010 , 52, 1477-86	8
1385	Slow EEG pattern predicts reduced intrinsic functional connectivity in the default mode network: an inter-subject analysis. 2010 , 53, 239-46	77
1384	Why is the N170 enhanced for inverted faces? An ERP competition experiment. 2010 , 53, 782-9	62
1383	Distinguishing between lateralized and nonlateralized brain activity associated with visual short-term memory: fMRI, MEG, and EEG evidence from the same observers. 2010 , 53, 1334-45	63
1382	Decoding hand movement velocity from electroencephalogram signals during a drawing task. 2010 , 9, 64	42
1381	A Few Suggestions about Suggestion, Psychoanalysis, and Neuroscience. 2010 , 12, 32-34	1

1380	Electrophysiological evidence for different types of change detection and change blindness. 2010 , 22, 1852-69	53
1379	Human brain dynamics accompanying use of egocentric and allocentric reference frames during navigation. 2010 , 22, 2836-49	107
1378	Spectra-temporal patterns underlying mental addition: an ERP and ERD/ERS study. 2010 , 472, 5-10	16
1377	Feature-selective attention: evidence for a decline in old age. 2010 , 474, 5-8	35
1376	The relationship between peripheral and early cortical activation induced by transcranial magnetic stimulation. 2010 , 478, 24-8	72
1375	Induced EEG alpha oscillations are related to mental rotation ability: the evidence for neural efficiency and serial processing. 2010 , 482, 133-6	24
1374	What does delta band tell us about cognitive processes: a mental calculation study. 2010 , 483, 11-5	59
1373	Study of the origin of short- and long-latency SSEP during recovery from brain ischemia in a rat model. 2010 , 485, 157-61	14
1372	Frontal-parietal synchrony in elderly EEG for visual search. 2010 , 75, 39-43	14
1371	Brain dynamics in the auditory Go/NoGo task as a function of EEG frequency. 2010 , 78, 115-28	16
1370	Frontal theta and alpha power and coherence changes are modulated by semantic complexity in Go/NoGo tasks. 2010 , 78, 215-24	37
1369	Subjective and model-estimated reward prediction: association with the feedback-related negativity (FRN) and reward prediction error in a reinforcement learning task. 2010 , 78, 273-83	18
1368	Semantic processing of highly repeated concepts presented in single-word trials: Electrophysiological and behavioral correlates. 2010 , 84, 206-20	13
1367	EEG activity during the verbal-cognitive stage of motor skill acquisition. 2010 , 84, 221-7	30
1366	Event-related brain potentials to violations of arithmetic syntax represented by place value structure. 2010 , 84, 354-67	32
1365	Age effects on the asymmetry of the motor system: evidence from cortical oscillatory activity. 2010 , 85, 213-8	30
1364	Cognitive vs. affective listening modes and judgments of music--an ERP study. 2010 , 85, 393-409	99
1363	Electrical neuroimaging reveals intensity-dependent activation of human cortical gustatory and somatosensory areas by electric taste. 2010 , 85, 446-55	36

1362	Predictive knowledge of stimulus relevance does not influence top-down suppression of irrelevant information in older adults. 2010 , 46, 564-74	56
1361	Interregional synchrony of visuomotor tracking: perturbation effects and individual differences. 2010 , 213, 313-8	10
1360	Emotional MMN: Anxiety and heart rate correlate with the ERP signature for auditory change detection. 2010 , 121, 53-9	34
1359	Induced theta oscillations as biomarkers for alcoholism. 2010 , 121, 350-8	27
1358	An auditory oddball brain-computer interface for binary choices. 2010 , 121, 516-23	676
1357	Functional characterisation of sensory ERPs using probabilistic ICA: effect of stimulus modality and stimulus location. 2010 , 121, 577-87	16
1356	Effect of the static magnetic field of the MR-scanner on ERPs: evaluation of visual, cognitive and motor potentials. 2010 , 121, 672-85	14
1355	Robust EMG-fMRI artifact reduction for motion (FARM). 2010 , 121, 766-76	18
1354	EEG-fMRI reciprocal functional neuroimaging. 2010 , 121, 1240-50	23
1353	Human EEG shows long-range temporal correlations of oscillation amplitude in Theta, Alpha and Beta bands across a wide age range. 2010 , 121, 1187-97	44
1352	A high-density ERP study reveals latency, amplitude, and topographical differences in multiple sclerosis patients versus controls. 2010 , 121, 1420-1426	25
1351	Intracranial EEG correlates of expectancy and memory formation in the human hippocampus and nucleus accumbens. 2010 , 65, 541-9	126
1350	A conserved switch in sensory processing prepares developing neocortex for vision. 2010 , 67, 480-98	180
1349	Dynamic neuroplasticity after human prefrontal cortex damage. 2010 , 68, 401-8	82
1348	Single-trial electroencephalogram predicts cardiac acceleration: a time-lagged P-correlation approach for studying neurovisceral connectivity. 2010 , 166, 491-500	16
1347	Classifying motor imagery in presence of speech. 2010 ,	2
1346	Electrophysiological effects of guanosine and MK-801 in a quinolinic acid-induced seizure model. 2010 , 221, 296-306	19
1345	The phonemic restoration effect reveals pre-N400 effect of supportive sentence context in speech perception. 2010 , 1361, 54-66	26

1344	An information theoretic approach to EEG-fMRI integration of visually evoked responses. 2010 , 49, 498-516	57
1343	Increasing top-down suppression from prefrontal cortex facilitates tactile working memory. 2010 , 49, 1091-8	39
1342	Brain and autonomic association accompanying stochastic decision-making. 2010 , 49, 1024-37	38
1341	Exploring transient transfer entropy based on a group-wise ICA decomposition of EEG data. 2010 , 49, 1593-600	45
1340	Finding meaning in novel geometric shapes influences electrophysiological correlates of repetition and dissociates perceptual and conceptual priming. 2010 , 49, 2879-89	112
1339	Spatial and temporal EEG dynamics of motion sickness. 2010 , 49, 2862-70	62
1338	Validation of ICA-based myogenic artifact correction for scalp and source-localized EEG. 2010 , 49, 2416-32	157
1337	Saccadic spike potentials in gamma-band EEG: characterization, detection and suppression. 2010 , 49, 2248-63	192
1336	Frontal theta links prediction errors to behavioral adaptation in reinforcement learning. 2010 , 49, 3198-209	280
1335	Functional source separation improves the quality of single trial visual evoked potentials recorded during concurrent EEG-fMRI. 2010 , 50, 112-23	40
1334	Perceiving the writing sequence of Chinese characters: an ERP investigation. 2010 , 50, 782-95	11
1333	Spatiotemporal dynamics of bilingual word processing. 2010 , 49, 3286-94	48
1332	A novel approach for enhancing the signal-to-noise ratio and detecting automatically event-related potentials (ERPs) in single trials. 2010 , 50, 99-111	123
1331	Unsupervised statistical learning underpins computational, behavioural, and neural manifestations of musical expectation. 2010 , 50, 302-13	149
1330	Probability dependence and functional separation of the object-related and mismatch negativity event-related potential components. 2010 , 50, 285-90	16
1329	Removal of BCG artifacts from EEG recordings inside the MR scanner: a comparison of methodological and validation-related aspects. 2010 , 50, 920-34	77
1328	EEG evidence of face-specific visual self-representation. 2010 , 50, 1666-75	54
1327	PSGLab Matlab toolbox for polysomnographic data processing: Development and practical application. 2010 ,	4

1326	Laminar analysis of slow wave activity in humans. 2010 , 133, 2814-29	158
1325	An online brain-computer interface using non-flashing visual evoked potentials. 2010 , 7, 036003	59
1324	Effects of parametrical and trial-to-trial variation in prior probability processing revealed by simultaneous electroencephalogram/functional magnetic resonance imaging. 2010 , 30, 16709-17	50
1323	Comparative power spectral analysis of simultaneous electroencephalographic and magnetoencephalographic recordings in humans suggests non-resistive extracellular media : EEG and MEG power spectra. 2010 , 1	2
1322	Brain-Computer Interfaces. 2010 ,	132
1321	"First pain" in humans: convergent and specific forebrain responses. 2010 , 6, 81	6
1320	Theories of Mathematics Education. 2010 ,	45
1319	Brain-Computer Interfaces. 2010 ,	81
1318	Synchronization analysis of short EEG data through time-evolving relative wavelet entropy and IAPS affective visual stimuli. 2010 ,	
1317	Design of Support Vector Machines with Time Frequency Kernels for classification of EEG signals. 2010 ,	3
1316	Independent Component Analysis (ICA) methods for neonatal EEG artifact extraction: Sensitivity to variation of artifact properties. 2010 ,	7
1315	Gamma oscillatory power is impaired during cognitive control independent of medication status in first-episode schizophrenia. 2010 , 35, 2590-9	176
1314	A local tangent space based approach for single-trial representation of event-related potentials. 2010 ,	
1313	Online EMG artifacts removal from EEG based on blind source separation. 2010 ,	
1312	An online single trial analysis of the P300 event related potential for the disabled. 2010 ,	1
1311	Data model conversion for independent component analysis to extract brain signals. 2011 ,	
1310	An analysis of EEG signals during voluntary rhythmic foot movements. 2011 ,	1
1309	Assessment of Obstructive Sleep Apnea Syndrome by spectral analysis of physiological parameters. 2011 ,	2

1308	EEGLAB, SIFT, NFT, BCILAB, and ERICA: new tools for advanced EEG processing. 2011 , 2011, 130714	383
1307	MEG-based brain functional connectivity analysis using eConnectome. 2011 ,	3
1306	The role of instantaneous relations in the estimation of brain effective connectivity and a modified measure. 2011 ,	1
1305	Modeling latency and shape changes in trial based neuroimaging data. 2011 ,	4
1304	Effect of Odorant Presentation on Changes in Cognitive Interference and Brain Activity during Counting Stroop Task. 2011 ,	2
1303	Dynamic imaging of ictal rhythmic activity using dense-array EEG. 2011 , 2011, 8271-4	
1302	A multiple electrode scheme for optimal non-invasive electrical stimulation. 2011 ,	1
1301	Brainstorm: a user-friendly application for MEG/EEG analysis. 2011 , 2011, 879716	1585
1300	Taking into account latency, amplitude, and morphology: improved estimation of single-trial ERPs by wavelet filtering and multiple linear regression. 2011 , 106, 3216-29	40
1299	Craniux: a LabVIEW-based modular software framework for brain-machine interface research. 2011 , 2011, 363565	17
1298	Determining the number of sources in high-density EEG recordings of event-related potentials by model order selection. 2011 ,	2
1297	Characterization of evoked and induced activity in EEG and assessment of intertrial variability. 2011 ,	2
1296	Abnormalities of neuronal oscillations and temporal integration to low- and high-frequency auditory stimulation in schizophrenia. 2011 , 69, 989-96	103
1295	New and emerging imaging techniques for mapping brain circuitry. 2011 , 67, 226-51	21
1294	Single-trial EEG discrimination between wrist and finger movement imagery and execution in a sensorimotor BCI. 2011 , 2011, 6289-93	21
1293	Frontal oscillatory dynamics predict feedback learning and action adjustment. 2011 , 23, 4106-21	120
1292	Investigating Sleep Homeostasis with Extracellular Recording of Multiunit Activity from the Neocortex in Freely Behaving Rats. 2011 , 237-258	1
1291	Error-related medial frontal theta activity predicts cingulate-related structural connectivity. 2011 , 55, 1373-83	142

1290	A wavelet-based method for measuring the oscillatory dynamics of resting-state functional connectivity in MEG. 2011 , 56, 69-77	55
1289	A novel method for reliable and fast extraction of neuronal EEG/MEG oscillations on the basis of spatio-spectral decomposition. 2011 , 55, 1528-35	110
1288	EEG-BOLD correlations during (post-)adolescent brain maturation. 2011 , 56, 1493-505	28
1287	ERP correlates of action effect prediction and visual sensory attenuation in voluntary action. 2011 , 56, 1632-40	95
1286	The relationship between the visual evoked potential and the gamma band investigated by blind and semi-blind methods. 2011 , 56, 1059-71	28
1285	Probing the cortical network underlying the psychological refractory period: a combined EEG-fMRI study. 2011 , 56, 1608-21	37
1284	A hierarchical Bayesian approach for learning sparse spatio-temporal decompositions of multichannel EEG. 2011 , 56, 1929-45	39
1283	Dynamic imaging of ictal oscillations using non-invasive high-resolution EEG. 2011 , 56, 1908-17	65
1282	Error-related brain activity and adjustments of selective attention following errors. 2011 , 56, 2339-47	69
1281	Auditory sensory deficits in developmental dyslexia: a longitudinal ERP study. 2011 , 57, 723-32	41
1280	Induced gamma band responses in human EEG after the control of miniature saccadic artifacts. 2011 , 57, 1411-21	65
1279	Maturation of obligatory auditory responses and their neural sources: evidence from EEG and MEG. 2011 , 58, 630-9	28
1278	Reliability of ERP and single-trial analyses. 2011 , 58, 620-9	37
1277	Change in PASAT performance correlates with change in P3 ERP amplitude over a 12-month period in multiple sclerosis patients. 2011 , 305, 45-52	12
1276	Nonlinear connectivity by Granger causality. 2011 , 58, 330-8	105
1275	ICA-based muscle artefact correction of EEG data: what is muscle and what is brain? Comment on McMenamin et al. 2011 , 54, 1-3; discussion 4-9	49
1274	Species sensitivity of early face and eye processing. 2011 , 54, 705-13	50
1273	Human brain connectivity during single and paired pulse transcranial magnetic stimulation. 2011 , 54, 90-102	162

1272	Predicting EEG single trial responses with simultaneous fMRI and relevance vector machine regression. 2011 , 56, 826-36	30
1271	Manifestation of ocular-muscle EMG contamination in human intracranial recordings. 2011 , 54, 213-33	93
1270	Effects of transcranial magnetic stimulation on visual evoked potentials in a visual suppression task. 2011 , 54, 1375-84	37
1269	Frontal phasic and oscillatory generators of the N30 somatosensory evoked potential. 2011 , 54, 1297-306	51
1268	A better oscillation detection method robustly extracts EEG rhythms across brain state changes: the human alpha rhythm as a test case. 2011 , 54, 860-74	72
1267	Electrocortical activity is coupled to gait cycle phase during treadmill walking. 2011 , 54, 1289-96	312
1266	The BOLD correlates of the visual P1 and N1 in single-trial analysis of simultaneous EEG-fMRI recordings during a spatial detection task. 2011 , 54, 824-35	52
1265	Choice modulates the neural dynamics of prediction error processing during rewarded learning. 2011 , 54, 1385-94	16
1264	Lost in thoughts: neural markers of low alertness during mind wandering. 2011 , 54, 3040-7	233
1263	Effect of attention on cortical processing of sound motion: an EEG study. 2011 , 54, 2340-9	16
1262	Selection of independent components representing event-related brain potentials: a data-driven approach for greater objectivity. 2011 , 54, 2105-15	58
1261	Decoding word and category-specific spatiotemporal representations from MEG and EEG. 2011 , 54, 3028-39	86
1260	Integrating EEG and fMRI in epilepsy. 2011 , 54, 2719-31	42
1259	A comparison of methods for assessing alpha phase resetting in electrophysiology, with application to intracerebral EEG in visual areas. 2011 , 55, 67-86	15
1258	Voxel-wise information theoretic EEG-fMRI feature integration. 2011 , 55, 1270-86	20
1257	EEG oscillatory patterns are associated with error prediction during music performance and are altered in musician's dystonia. 2011 , 55, 1791-803	44
1256	Independent component analysis of resting brain activity reveals transient modulation of local cortical processing by transcranial direct current stimulation. 2011 , 2011, 8102-5	8
1255	Affective Computing and Intelligent Interaction. 2011 ,	4

1254	Decoding the rat forelimb movement direction from epidural and intracortical field potentials. 2011 , 8, 036013	40
1253	Behavioral and neurophysiological effects of repetitive transcranial magnetic stimulation on the minimally conscious state: a case study. 2011 , 25, 98-102	54
1252	Influence of task combination on EEG spectrum modulation for driver workload estimation. 2011 , 53, 168-79	76
1251	Subthalamic nucleus stimulation reverses mediofrontal influence over decision threshold. 2011 , 14, 1462-7	397
1250	Neural oscillations associated with item and temporal order maintenance in working memory. 2011 , 31, 10803-10	135
1249	Analysis of absence seizure EEG via Permutation Entropy spatio-temporal clustering. 2011 ,	4
1248	The relationship between brain oscillations and BOLD signal during memory formation: a combined EEG-fMRI study. 2011 , 31, 15674-80	129
1247	Expectations change the signatures and timing of electrophysiological correlates of perceptual awareness. 2011 , 31, 1386-96	184
1246	Abnormal visual habituation in pediatric photosensitive epilepsy. 2011 , 122, 16-20	24
1245	Topographical frequency dynamics within EEG and MEG sleep spindles. 2011 , 122, 229-35	40
1244	Quantitative EEG in ischemic stroke: correlation with functional status after 6 months. 2011 , 122, 874-83	81
1243	High resolution event-related potentials analysis of the arithmetic-operation effect in mental arithmetic. 2011 , 122, 518-529	9
1242	Relation between P300 and event-related theta-band synchronization: a single-trial analysis. 2011 , 122, 916-24	26
1241	A potential real-time procedure to evaluate correlation of recordings among single trials (CoRaST) for mismatch negativity (MMN) with Fourier transformation. 2011 , 122, 725-30	1
1240	EEG alpha spindle measures as indicators of driver fatigue under real traffic conditions. 2011 , 122, 1168-78	157
1239	Event-related delta and theta brain oscillations reflect age-related changes in both a general and a specific neuronal inhibitory mechanism. 2011 , 122, 1156-67	50
1238	Application of a novel measure of EEG non-stationarity as 'Shannon- entropy of the peak frequency shifting' for detecting residual abnormalities in concussed individuals. 2011 , 122, 1314-21	62
1237	Single-trial detection of somatosensory evoked potentials by probabilistic independent component analysis and wavelet filtering. 2011 , 122, 1429-39	30

1236	A postsleep decline in auditory evoked potential amplitude reflects sleep homeostasis. 2011 , 122, 1549-55	17
1235	Prediction of collision events: an EEG coherence analysis. 2011 , 122, 891-6	6
1234	Impaired slow wave sleep downscaling in encephalopathy with status epilepticus during sleep (ESES). 2011 , 122, 1779-87	86
1233	Distraction task rather than focal attention modulates gamma activity associated with auditory steady-state responses (ASSRs). 2011 , 122, 1541-8	30
1232	Determination of awareness in patients with severe brain injury using EEG power spectral analysis. 2011 , 122, 2157-68	159
1231	Electrophysiological traces of visuomotor learning and their renormalization after sleep. 2011 , 122, 2418-25	27
1230	Are left fronto-temporal brain areas a prerequisite for normal music-syntactic processing?. 2011 , 47, 659-73	63
1229	Perceived parental support predicts enhanced late positive event-related brain potentials to parent faces. 2011 , 86, 26-30	24
1228	Is contextual cueing more than the guidance of visual-spatial attention?. 2011 , 87, 58-65	19
1227	Neural co-activation as a yardstick of implicit motor learning and the propensity for conscious control of movement. 2011 , 87, 66-73	94
1226	Electrocortical activity prior to unpredictable stimuli in meditators and nonmeditators. 2011 , 7, 286-99	15
1225	Over-specified referring expressions impair comprehension: an ERP study. 2011 , 77, 304-14	44
1224	On the role of serotonin and effort in voluntary attention: evidence of genetic variation in N1 modulation. 2011 , 216, 122-8	42
1223	Sensory mismatch induces autonomic responses associated with hippocampal theta waves in rats. 2011 , 220, 244-53	9
1222	In the blink of an eye: the contribution of microsaccadic activity to the induced β band response. 2011 , 79, 73-82	18
1221	Saccadic context indicates information processing within visual fixations: evidence from event-related potentials and eye-movements analysis of the distractor effect. 2011 , 80, 54-62	18
1220	Cross-frequency coupling of brain oscillations: an impact of state anxiety. 2011 , 80, 236-45	58
1219	Inhibition control and error processing in children with attention deficit/hyperactivity disorder: an event-related potentials study. 2011 , 81, 1-11	32

1218	Exploring the dynamics of P300 amplitude in patients with schizophrenia. 2011 , 81, 159-68	11
1217	Vision of the body modulates processing in primary somatosensory cortex. 2011 , 489, 159-63	41
1216	Face recognition in Asperger syndrome: a study on EEG spectral power changes. 2011 , 492, 84-8	15
1215	Right-frontal slow negative potentials evoked by occipital TMS are reduced in NREM sleep. 2011 , 493, 116-21	10
1214	Age-related increases in within-person variability: delta and theta oscillations indicate that the elderly are not always old. 2011 , 495, 159-63	9
1213	The relationship between theta-gamma coupling and spatial memory ability in older adults. 2011 , 498, 37-41	22
1212	Electrophysiological analysis of the perception of passive movement. 2011 , 501, 61-6	9
1211	Functional connectivity analysis of steady-state visual evoked potentials. 2011 , 499, 199-203	23
1210	The level of arousal modulates P50 peak amplitude. 2011 , 499, 204-7	8
1209	Mismatch negativity and adaptation measures of the late auditory evoked potential in cochlear implant users. 2011 , 275, 17-29	35
1208	Tinnitus suppression by low-rate electric stimulation and its electrophysiological mechanisms. 2011 , 277, 61-6	53
1207	Multiple group membership influences face-recognition: Recall and neurological evidence. 2011 , 47, 1262-1268	12
1206	FieldTrip: Open source software for advanced analysis of MEG, EEG, and invasive electrophysiological data. 2011 , 2011, 156869	4747
1205	Neuronal dynamics underlying high- and low-frequency EEG oscillations contribute independently to the human BOLD signal. 2011 , 69, 572-83	335
1204	Effects of color information on face processing using event-related potentials and gamma oscillations. 2011 , 176, 265-73	14
1203	Attentional modulation of the somatosensory mu rhythm. 2011 , 180, 165-80	117
1202	Human hypothalamus shows differential responses to basic motivational stimuli—an invasive electrophysiology study. 2011 , 189, 330-6	6
1201	Attenuation of beta and gamma oscillations in schizophrenia spectrum patients following hand posture perturbation. 2011 , 185, 215-24	15

1200	Impaired spatial working memory in children with well-controlled epilepsy: an event-related potentials study. 2011 , 20, 143-50	15
1199	The short-term effect of verbally assessing drivers' state on vigilance indices during monotonous daytime driving. 2011 , 14, 251-260	31
1198	Phase-Locked and Non-Phase-Locked Event-Related Oscillations and Channel Power Spectra Analysis during Motor Imagery with Speed Parameters for BCRI. 2011 ,	1
1197	Binding under conflict conditions: state-space analysis of multivariate EEG synchronization. 2011 , 23, 2363-75	6
1196	Spectral characteristics of resting state networks. 2011 , 193, 259-76	140
1195	The role of eyes in early face processing: a rapid adaptation study of the inversion effect. 2011 , 102, 783-98	32
1194	Deep brain stimulation of the subthalamic nucleus alters the cortical profile of response inhibition in the beta frequency band: a scalp EEG study in Parkinson's disease. 2011 , 31, 5721-9	164
1193	Awareness of form-sound correspondence in Chinese children with dyslexia: Preliminary results from event-related potentials and time frequency analyses. 2011 ,	
1192	Altered directional connectivity in Parkinson's disease during performance of a visually guided task. 2011 , 56, 2144-56	22
1191	Classification of intended motor movement using surface EEG ensemble empirical mode decomposition. 2011 , 2011, 6281-4	7
1190	Optimizing the Performances of a P300-Based Brain-Computer Interface in Ambulatory Conditions. 2011 , 1, 566-577	24
1189	Electrophysiologic disturbances during daytime in patients with restless legs syndrome: further evidence of cognitive dysfunction?. 2011 , 12, 416-21	28
1188	Bedside detection of awareness in the vegetative state: a cohort study. 2011 , 378, 2088-94	440
1187	Using Brain Computer Interfaces for Geometry Selection in CAD Systems: P300 Detection Approach. 2011 ,	1
1186	Inverting faces elicits sensitivity to race on the N170 component: a cross-cultural study. 2010 , 10, 15.1-23	49
1185	BrainNetVis: an open-access tool to effectively quantify and visualize brain networks. 2011 , 2011, 747290	2
1184	Trial-by-Trial Variations in Subjective Attentional State are Reflected in Ongoing Prestimulus EEG Alpha Oscillations. 2011 , 2, 82	95
1183	The emotional influence on the breadth of attentional focus at the sensory input stage. 2011 , 19, 1-9	

1182	Deficits in Processing Characters in Chinese Developmental Dyslexia: Preliminary Results From Event-related Potentials and Time Frequency Analyses. 2011 , 3,	1
1181	Increased intra-participant variability in children with autistic spectrum disorders: evidence from single-trial analysis of evoked EEG. 2011 , 2, 51	116
1180	Increased Alpha-Band Power during the Retention of Shapes and Shape-Location Associations in Visual Short-Term Memory. 2011 , 2, 128	22
1179	Modeling Single-Trial ERP Reveals Modulation of Bottom-Up Face Visual Processing by Top-Down Task Constraints (in Some Subjects). 2011 , 2, 137	60
1178	Intercepting the First Pass: Rapid Categorization is Suppressed for Unseen Stimuli. 2011 , 2, 198	12
1177	Single-trial normalization for event-related spectral decomposition reduces sensitivity to noisy trials. 2011 , 2, 236	157
1176	Larger Error Signals in Major Depression are Associated with Better Avoidance Learning. 2011 , 2, 331	49
1175	Do Horizontal Saccadic Eye Movements Increase Interhemispheric Coherence? Investigation of a Hypothesized Neural Mechanism Underlying EMDR. 2011 , 2, 4	37
1174	Role of Thalamic Projection in NMDA Receptor-Induced Disruption of Cortical Slow Oscillation and Short-Term Plasticity. 2011 , 2, 14	47
1173	Impaired neural synchrony in the theta frequency range in adolescents at familial risk for schizophrenia. 2011 , 2, 51	15
1172	Electroencephalographic brain dynamics of memory encoding in emotionally arousing context. 2011 , 5, 35	4
1171	EEG and autonomic responses during performance of matching and non-matching to sample working memory tasks with emotional content. 2011 , 5, 82	17
1170	An EEG-MEG Dissociation between Online Syntactic Comprehension and Post Hoc Reanalysis. 2011 , 5, 10	17
1169	The temporal evolution of electromagnetic markers sensitive to the capacity limits of visual short-term memory. 2011 , 5, 18	21
1168	Implicit and Explicit Processes in Risk Perception: Neural Antecedents of Perceived HIV Risk. 2011 , 5, 43	20
1167	Visual mismatch negativity reveals automatic detection of sequential regularity violation. 2011 , 5, 46	73
1166	Human Scalp Electroencephalography Reveals that Repetition Suppression Varies with Expectation. 2011 , 5, 67	93
1165	Alteration and reorganization of functional networks: a new perspective in brain injury study. 2011 , 5, 90	25

1164	All about the Money - External Performance Monitoring is Affected by Monetary, but Not by Socially Conveyed Feedback Cues in More Antisocial Individuals. 2011 , 5, 100	31
1163	Time-Frequency and ERP Analyses of EEG to Characterize Anticipatory Postural Adjustments in a Bimanual Load-Lifting Task. 2011 , 5, 163	14
1162	Temporal accumulation and decision processes in the duration bisection task revealed by contingent negative variation. 2011 , 5, 77	52
1161	Components of cross-frequency modulation in health and disease. 2011 , 5, 59	55
1160	Parallel readout of pathway-specific inputs to laminated brain structures. 2011 , 5, 77	34
1159	Functional embedding predicts the variability of neural activity. 2011 , 5, 90	63
1158	Use of Telemetric EEG in Brain Injury. 2011 ,	
1157	Event-related potentials reveal an early advantage for luminance contours in the processing of objects. 2011 , 11,	33
1156	Temporal evolution of oscillatory activity predicts performance in a choice-reaction time reaching task. 2011 , 105, 18-27	63
1155	Aging and error processing: age related increase in the variability of the error-negativity is not accompanied by increase in response variability. 2011 , 6, e17482	37
1154	Auditory development between 7 and 11 years: an event-related potential (ERP) study. 2011 , 6, e18993	30
1153	Neural mechanisms of human perceptual learning: electrophysiological evidence for a two-stage process. 2011 , 6, e19221	18
1152	Brain-computer interface based on generation of visual images. 2011 , 6, e20674	82
1151	On the role of attention in binocular rivalry: electrophysiological evidence. 2011 , 6, e22612	13
1150	Dissociation of subjectively reported and behaviorally indexed mind wandering by EEG rhythmic activity. 2011 , 6, e23124	14
1149	Event-related potential correlates of performance-monitoring in a lateralized time-estimation task. 2011 , 6, e25591	55
1148	Web-based collection of expert opinion on routine scalp EEG: software development and interrater reliability. 2011 , 28, 178-84	20
1147	Attentional awakening, resource allocation and the focus of temporal attention. 2011 , 22, 161-5	9

1146	Nitrous oxide paradoxically modulates slow electroencephalogram oscillations: implications for anesthesia monitoring. 2011 , 113, 758-65	27
1145	The Role of Age-Related Neural Timing Variability in Speech Processing. 2011 , 55, 162-166	2
1144	A neurophysiological and behavioral investigation of tactile spatial exploration for sighted and non-sighted adults. 2011 , 55, 227-231	
1143	The EEG/ERP technologies in linguistic research. 2011 , 6, 141-170	3
1142	Probability effects of response and stimulus on error-related negativity. 2011 , 22, 902-5	3
1141	Neural decoding of treadmill walking from noninvasive electroencephalographic signals. 2011 , 106, 1875-87	154
1140	First Steps Toward a Motor Imagery Based Stroke BCI: New Strategy to Set up a Classifier. 2011 , 5, 86	74
1139	Widespread Brain Areas Engaged during a Classical Auditory Streaming Task Revealed by Intracranial EEG. 2011 , 5, 74	29
1138	A Dry EEG-System for Scientific Research and Brain-Computer Interfaces. 2011 , 5, 53	87
1137	Rapid increases of gamma power in the auditory cortex following noise trauma in humans. 2011 , 33, 568-75	59
1136	Using mu rhythm desynchronization to measure mirror neuron activity in infants. 2011 , 14, 327-35	131
1135	Is auditory discrimination mature by middle childhood? A study using time-frequency analysis of mismatch responses from 7 years to adulthood. 2011 , 14, 402-16	71
1134	Neural coding of formant-exaggerated speech in the infant brain. 2011 , 14, 566-81	59
1133	Maturation of EEG power spectra in early adolescence: a longitudinal study. 2011 , 14, 935-43	61
1132	ADJUST: An automatic EEG artifact detector based on the joint use of spatial and temporal features. 2011 , 48, 229-40	729
1131	Shifting visual attention away from fixation is specifically associated with alpha band activity over ipsilateral parietal regions. 2011 , 48, 312-22	28
1130	Exploring steady-state visual evoked potentials as an index for intermodal and crossmodal spatial attention. 2011 , 48, 665-75	9
1129	Manipulation of feedback expectancy and valence induces negative and positive reward prediction error signals manifest in event-related brain potentials. 2011 , 48, 656-64	125

1128	The dynamics of cognitive control: evidence for within-trial conflict adaptation from frequency-tagged EEG. 2011 , 48, 591-600	63
1127	Learning to multitask: effects of video game practice on electrophysiological indices of attention and resource allocation. 2011 , 48, 1173-83	51
1126	Neurobehavioral correlates of the rapid formation of the symbolic control of visuospatial attention. 2011 , 48, 1227-41	2
1125	Affective modulation of the LPP and ERD during picture viewing. 2011 , 48, 1397-404	71
1124	Alpha-generation as basic response-signature to transcranial magnetic stimulation (TMS) targeting the human resting motor cortex: a TMS/EEG co-registration study. 2011 , 48, 1381-9	58
1123	Uncovering auditory evoked potentials from cochlear implant users with independent component analysis. 2011 , 48, 1470-1480	55
1122	Pupillometry and P3 index the locus coeruleus-noradrenergic arousal function in humans. 2011 , 48, 1532-1543	268
1121	Electrophysiological correlates of speech perception mechanisms and individual differences in second language attainment. 2011 , 48, 1517-1531	20
1120	What characterizes changing-state speech in affecting short-term memory? An EEG study on the irrelevant sound effect. 2011 , 48, 1669-80	9
1119	Event-related potentials increase the discrimination performance of the autonomic-based concealed information test. 2011 , 48, 1701-10	29
1118	Mass univariate analysis of event-related brain potentials/fields II: Simulation studies. 2011 , 48, 1726-37	131
1117	Mass univariate analysis of event-related brain potentials/fields I: a critical tutorial review. 2011 , 48, 1711-25	640
1116	Local and regional network function in behaviorally relevant cortical circuits of adult mice following postnatal alcohol exposure. 2011 , 35, 1974-84	52
1115	Deficits in fronto-posterior interactions point to inefficient resource allocation in schizophrenia. 2011 , 123, 125-35	13
1114	An empirical investigation of motion effects in fMRI of interictal epileptiform spikes. 2011 , 29, 1401-9	1
1113	Phase synchronization with harmonic wavelet transform with application to neuronal populations. 2011 , 74, 3389-3403	16
1112	A big-world network in ASD: dynamical connectivity analysis reflects a deficit in long-range connections and an excess of short-range connections. 2011 , 49, 254-63	215
1111	Dissociable correlates of response conflict and error awareness in error-related brain activity. 2011 , 49, 405-15	97

1110	Tracking real-time neural activation of conceptual knowledge using single-trial event-related potentials. 2011 , 49, 970-983		52
1109	Planning: fixed-foreperiod event-related potentials during the Tower of London task. 2011 , 49, 1024-1032		6
1108	Serotonergic modulation in executive functioning: linking genetic variations to working memory performance. 2011 , 49, 3776-85		61
1107	Ageing affects event-related potentials and brain oscillations: a behavioral and electrophysiological study using a haptic recognition memory task. 2011 , 49, 3967-80		19
1106	EPILAB: a software package for studies on the prediction of epileptic seizures. <i>Journal of Neuroscience Methods</i> , 2011 , 200, 257-71	3	60
1105	Dimension reduction: additional benefit of an optimal filter for independent component analysis to extract event-related potentials. <i>Journal of Neuroscience Methods</i> , 2011 , 201, 269-80	3	23
1104	A critical note on the definition of phase-amplitude cross-frequency coupling. <i>Journal of Neuroscience Methods</i> , 2011 , 201, 438-43	3	70
1103	Partial amplitude synchronization detection in brain signals using Bayesian Gaussian mixture models. 2011 , 105, 98-105		1
1102	Interaction of anger with anxiety and responses to emotional facial expressions. 2011 , 50, 398-403		7
1101	Differential processing of laser stimuli by A and C fibres in major depression. 2011 , 152, 1796-1802		17
1100	Quantification of brain macrostates using dynamical nonstationarity of physiological time series. 2011 , 58, 1084-93		15
1099	Frequency and phase mixed coding in SSVEP-based brain-computer interface. 2011 , 58, 200-6		124
1098	A new spatiotemporal filtering method for single-trial estimation of correlated ERP subcomponents. 2011 , 58, 132-43		22
1097	Denoised P300 and machine learning-based concealed information test method. 2011 , 104, 410-7		28
1096	Stimulation of category-selective brain areas modulates ERP to their preferred categories. 2011 , 21, 1894-9		32
1095	Characterization of the fetal diaphragmatic magnetomyogram and the effect of breathing movements on cardiac metrics of rate and variability. 2011 , 87, 467-75		28
1094	EEG decoding of semantic category reveals distributed representations for single concepts. 2011 , 117, 12-22		44
1093	Effects of visual complexity and sublexical information in the occipitotemporal cortex in the reading of Chinese phonograms: a single-trial analysis with MEG. 2011 , 117, 1-11		23

1092	Beyond rhyme or reason: ERPs reveal task-specific activation of orthography on spoken language. 2011 , 116, 116-24	25
1091	Shadows of music-language interaction on low frequency brain oscillatory patterns. 2011 , 119, 50-7	12
1090	Feature priming and the capture of visual attention: linking two ambiguity resolution hypotheses. 2011 , 1370, 175-84	24
1089	Contextual influences on rapid object categorization in natural scenes. 2011 , 1398, 40-54	21
1088	The adaptive pattern of the auditory N1 peak revealed by standardized low-resolution brain electromagnetic tomography. 2011 , 1400, 42-52	22
1087	The default mode network and EEG oscillations: an independent component analysis. 2011 , 1402, 67-79	153
1086	Event-related brain responses as correlates of changes in predictive and affective values of conditioned stimuli. 2011 , 1414, 77-84	4
1085	Can back-projection fully resolve polarity indeterminacy of independent component analysis in study of event-related potential?. 2011 , 6, 422-426	12
1084	Sturge-Weber syndrome: a favourable surgical outcome in a case with contralateral seizure onset and myoclonic-astatic seizures. 2011 , 13, 76-81	4
1083	Amplitude-time characteristics of the long-latency components (N1, N2, and P300) of acoustic evoked potential in healthy subjects. 2011 , 37, 49-56	1
1082	Desynchronization frequency event-related in visual selective attention requiring tasks. 2011 , 37, 658-666	2
1081	Rostral anterior cingulate activity generates posterior versus anterior theta activity linked to agentic extraversion. 2011 , 11, 172-85	16
1080	Learning from delayed feedback: neural responses in temporal credit assignment. 2011 , 11, 131-43	41
1079	Performance monitoring and the causal attribution of errors. 2011 , 11, 309-20	25
1078	Does high-frequency repetitive transcranial magnetic stimulation produce residual and/or cumulative effects within an experimental session?. 2011 , 23, 355-67	11
1077	Implicit motor learning promotes neural efficiency during laparoscopy. 2011 , 25, 2950-5	51
1076	The effect of acute effort on EEG in healthy young and elderly subjects. 2011 , 111, 67-75	33
1075	Quantitative evaluation of artifact removal in real magnetoencephalogram signals with blind source separation. 2011 , 39, 2274-86	49

1074	Stroop matching task: role of feature selection and temporal modulation. 2011 , 208, 595-605	13
1073	Sustained selective intermodal attention modulates processing of language-like stimuli. 2011 , 213, 321-7	19
1072	The effects of visual material and temporal synchrony on the processing of letters and speech sounds. 2011 , 211, 287-98	13
1071	An electrophysiological study of task demands on concreteness effects: evidence for dual coding theory. 2011 , 212, 347-58	24
1070	Spatial metaphor processing during temporal sequencing comprehension. 2011 , 213, 475-91	3
1069	Anatomically constrained minimum variance beamforming applied to EEG. 2011 , 214, 515-28	20
1068	Excitability changes induced in the human auditory cortex by transcranial direct current stimulation: direct electrophysiological evidence. 2011 , 215, 135-40	74
1067	REG-ICA: A hybrid methodology combining Blind Source Separation and regression techniques for the rejection of ocular artifacts. 2011 , 6, 291-300	96
1066	An EEG-based real-time cortical functional connectivity imaging system. 2011 , 49, 985-95	8
1065	Answering six questions in extracting children's mismatch negativity through combining wavelet decomposition and independent component analysis. 2011 , 5, 343-59	18
1064	Correlations between EEG and clinical outcome in chronic neuropathic pain: surgical effects and treatment resistance. 2011 , 5, 329-48	15
1063	Transcranial direct current stimulation of the prefrontal cortex modulates working memory performance: combined behavioural and electrophysiological evidence. 2011 , 12, 2	291
1062	Topographical aspects in the dynamics of sleep homeostasis in young men: individual patterns. 2011 , 12, 84	22
1061	Evidence of a pharmacodynamic EEG profile in rats following clonidine administration using a nonlinear analysis. 2011 , 5, 4	1
1060	Emergence of synchronous EEG spindles from asynchronous MEG spindles. 2011 , 32, 2217-27	42
1059	Scalable tensor factorizations for incomplete data. 2011 , 106, 41-56	299
1058	Multimodal therapeutic assessment of peripheral nerve stimulation in neuropathic pain: five case reports with a 20-year follow-up. 2011 , 15, 161.e1-9	7
1057	Unraveling superimposed EEG rhythms with multi-dimensional decomposition. <i>Journal of Neuroscience Methods</i> , 2011 , 195, 47-60	3 7

1056	eConnectome: A MATLAB toolbox for mapping and imaging of brain functional connectivity. <i>Journal of Neuroscience Methods</i> , 2011 , 195, 261-9	3	152
1055	High-throughput ocular artifact reduction in multichannel electroencephalography (EEG) using component subspace projection. <i>Journal of Neuroscience Methods</i> , 2011 , 196, 131-40	3	19
1054	Intertrial coherence and causal interaction among independent EEG components. <i>Journal of Neuroscience Methods</i> , 2011 , 197, 302-14	3	23
1053	A Bayesian method to estimate single-trial event-related potentials with application to the study of the P300 variability. <i>Journal of Neuroscience Methods</i> , 2011 , 198, 114-24	3	32
1052	Time-frequency spectral analysis of TMS-evoked EEG oscillations by means of Hilbert-Huang transform. <i>Journal of Neuroscience Methods</i> , 2011 , 198, 236-45	3	41
1051	A comparison of methods for separation of transient and oscillatory signals in EEG. <i>Journal of Neuroscience Methods</i> , 2011 , 199, 273-89	3	36
1050	Extraction de réseaux fonctionnels en EEG par analyse en composantes indépendantes spatiales. 2011 , 32, 35-41		
1049	Error awareness revisited: accumulation of multimodal evidence from central and autonomic nervous systems. 2011 , 23, 3021-36		147
1048	EEGIFT: group independent component analysis for event-related EEG data. 2011 , 2011, 129365		64
1047	fMRI artefact rejection and sleep scoring toolbox. 2011 , 2011, 598206		39
1046	TopoToolbox: using sensor topography to calculate psychologically meaningful measures from event-related EEG/MEG. 2011 , 2011, 674605		10
1045	ElectroMagnetEncephalography software: overview and integration with other EEG/MEG toolboxes. 2011 , 2011, 861705		163
1044	Single-Trial Inference on Visual Attention. 2011 ,		1
1043	Cortical spatio-temporal dynamics underlying phonological target detection in humans. 2011 , 23, 1437-46		55
1042	Perceptual and conceptual priming of environmental sounds. 2011 , 23, 3241-53		18
1041	When "it" becomes "mine": attentional biases triggered by object ownership. 2011 , 23, 3725-33		69
1040	Multichannel wearable system dedicated for simultaneous electroencephalography–near-infrared spectroscopy real-time data acquisitions. 2011 , 16, 096014		47
1039	Induced gamma activity in EEG represents cognitive control during detecting emotional expressions. 2011 , 2011, 1717-20		5

1038	Prestimulus theta activity predicts correct source memory retrieval. 2011 , 108, 10702-7	131
1037	EEG complexity drug-induced changes in disorders of consciousness: a preliminary report. 2011 , 2011, 3724-7	5
1036	Nonlinear granger causality for brain connectivity. 2011 ,	
1035	Inter-channel Connectivity of Motor Imagery EEG Signals for a Noninvasive BCI Application. 2011 ,	2
1034	Identification of hypoglycemic states for patients with T1DM using various parameters derived from EEG signals. 2011 , 2011, 2760-3	14
1033	An auditory brain-computer interface using virtual sound field. 2011 , 2011, 4568-71	5
1032	Individualising EEG frequency bands for sleep deprivation studies. 2011 , 2011, 6083-6	3
1031	Evidence of rapid gender processing revealed by ERSP. 2011 , 2011, 7360-3	1
1030	Active suppression of distractors that match the contents of visual working memory. 2011 , 19, 956-972	81
1029	Implicit and explicit mechanisms of word learning in a narrative context: an event-related potential study. 2011 , 23, 3181-96	78
1028	Effects of feature-selective and spatial attention at different stages of visual processing. 2011 , 23, 238-46	836
1027	Genetic feature selection in EEG-based motion sickness estimation. 2011 ,	5
1026	High-density EEG and independent component analysis mixture models distinguish knee contractions from ankle contractions. 2011 , 2011, 4195-8	7
1025	Incorporating virtual reality graphics with brain imaging for assessment of sport-related concussions. 2011 , 2011, 1383-6	5
1024	EEG correlates of submovements. 2011 , 2011, 7429-32	4
1023	EEG-based evaluation system for motion sickness estimation. 2011 ,	9
1022	Visual ERP P3 amplitude and latency in standalone and embedded visual processing task. 2011 , 2011, 781-4	
1021	Tonal expectations influence early pitch processing. 2011 , 23, 3095-104	19

1020	Activating without inhibiting: left-edge boundary tones and syntactic processing. 2011 , 23, 1170-9	14
1019	Differential functional roles of slow-wave and oscillatory activity in visual sensory cortex during anticipatory visual-spatial attention. 2011 , 21, 2204-16	30
1018	ELAN: a software package for analysis and visualization of MEG, EEG, and LFP signals. 2011 , 2011, 158970	103
1017	LIMO EEG: a toolbox for hierarchical Linear MOdeling of ElectroEncephaloGraphic data. 2011 , 2011, 831409	154
1016	TIME-FREQUENCY ANALYSIS OF MISMATCH NEGATIVITY IN SCHIZOPHRENIA PATIENTS IN TAIWAN. 2011 , 23, 287-293	
1015	Functional connectivity in the prefrontal cortex measured by near-infrared spectroscopy during ultrarapid object recognition. 2011 , 16, 016008	29
1014	Single-trial regression elucidates the role of prefrontal theta oscillations in response conflict. 2011 , 2, 30	192
1013	Dishabituation of laser-evoked EEG responses: dissecting the effect of certain and uncertain changes in stimulus modality. 2011 , 23, 2822-37	55
1012	Gamma-band activity as a signature for cross-modal priming of auditory object recognition by active haptic exploration. 2011 , 31, 2502-10	29
1011	Closing the loop between neuroscience and information technology: a possible mission?. 2011 , 22, 1-3	2
1010	N400-like potentials and reaction times index semantic relations between highly repeated individual words. 2011 , 23, 905-22	20
1009	Cognition in action: imaging brain/body dynamics in mobile humans. 2011 , 22, 593-608	165
1008	How ongoing neuronal oscillations account for evoked fMRI variability. 2011 , 31, 11016-27	109
1007	Dopamine effects on human error processing depend on catechol-O-methyltransferase VAL158MET genotype. 2011 , 31, 15818-25	47
1006	Variability of brain signals processed locally transforms into higher connectivity with brain development. 2011 , 31, 6405-13	120
1005	The relationship of β oscillations and face-specific ERPs recorded subdurally from occipitotemporal cortex. 2011 , 21, 1213-21	67
1004	Analysis on subtracting projection of extracted independent components from EEG recordings. 2011 , 56, 223-34	13
1003	Spatiotemporal neural dynamics of word understanding in 12- to 18-month-old-infants. 2011 , 21, 1832-9	45

1002	Motor imagery in spinal cord injury with neuropathic pain. 2011 ,	1
1001	Delta oscillation and short-term plasticity in the rat medial prefrontal cortex: modelling NMDA hypofunction of schizophrenia. 2011 , 14, 29-42	48
1000	Cross-modal phase reset predicts auditory task performance in humans. 2011 , 31, 3853-61	91
999	Electrophysiological correlates of behavioural changes in vigilance in vegetative state and minimally conscious state. 2011 , 134, 2222-32	103
998	Time-frequency analysis of single pulse electrical stimulation to assist delineation of epileptogenic cortex. 2011 , 134, 2855-66	73
997	. 2011 ,	9
996	Fast attainment of computer cursor control with noninvasively acquired brain signals. 2011 , 8, 036010	61
995	Detection of lapses in responsiveness from the EEG. 2011 , 8, 016003	43
994	Modulation of visually evoked cortical fMRI responses by phase of ongoing occipital alpha oscillations. 2011 , 31, 3813-20	108
993	First-pass selectivity for semantic categories in human anteroventral temporal lobe. 2011 , 31, 18119-29	103
992	One action system or two? Evidence for common central preparatory mechanisms in voluntary and stimulus-driven actions. 2011 , 31, 16692-9	30
991	Interactions between "what" and "when" in the auditory system: temporal predictability enhances repetition suppression. 2011 , 31, 18590-7	100
990	Modulation of gamma and theta spectral amplitude and phase synchronization is associated with the development of visuo-motor learning. 2011 , 31, 14810-9	67
989	Dysbindin-1 mutant mice implicate reduced fast-phasic inhibition as a final common disease mechanism in schizophrenia. 2011 , 108, E962-70	83
988	Mapping the route to visual awareness. 2011 , 11,	1
987	Perceiving the tree in the woods: segregating brain responses to stimuli constituting natural scenes. 2011 , 31, 17713-8	22
986	A public data hub for benchmarking common brain-computer interface algorithms. 2011 , 8, 025021	7
985	Squeeze me, but don't tease me: human and mechanical touch enhance visual attention and emotion discrimination. 2011 , 6, 219-30	48

984	Assessment of artefact suppression by ICA and spatial filtering on reduced sets of EEG signals. 2011 , 2011, 4422-5	1
983	A novel method for EOG features extraction from the forehead. 2011 , 2011, 3075-8	3
982	Cue competition affects temporal dynamics of edge-assignment in human visual cortex. 2011 , 23, 631-44	6
981	Multimodal imaging of incidental retrieval: the low route to memory. 2011 , 23, 947-60	38
980	Vision of the body modulates somatosensory intracortical inhibition. 2011 , 21, 2014-22	76
979	Coregistration of eye movements and EEG in natural reading: analyses and review. 2011 , 140, 552-72	282
978	Social stress reactivity alters reward and punishment learning. 2011 , 6, 311-20	62
977	Dissociating the effect of noise on sensory processing and overall decision difficulty. 2011 , 31, 2663-74	52
976	Antagonistic relationship between gamma power and visual evoked potentials revealed in human visual cortex. 2011 , 21, 616-24	36
975	Extracting message inter-departure time distributions from the human electroencephalogram. 2011 , 7, e1002065	5
974	Cholinergic and glutamatergic agonists induce gamma frequency activity in dorsal subcoeruleus nucleus neurons. 2011 , 301, C327-35	24
973	Life span differences in electrophysiological correlates of monitoring gains and losses during probabilistic reinforcement learning. 2011 , 23, 579-92	131
972	Real-time control of a prosthetic hand using human electrocorticography signals. 2011 , 114, 1715-22	151
971	Neural saccadic response estimation during natural viewing. 2012 , 107, 1776-90	48
970	CyberRat Probes: High-Resolution Biohybrid Devices for Probing the Brain. 2012 , 274-285	2
969	Neural time course of visually enhanced echo suppression. 2012 , 108, 1869-83	8
968	Online Vigilance Analysis Combining Video and Electrooculography Features. 2012 , 447-454	4
967	Timing-dependent modulation of the posterior parietal cortex-primary motor cortex pathway by sensorimotor training. 2012 , 107, 3190-9	40

966	Neurophysiological biomarkers support bipolar-spectrum disorders within psychosis cluster. 2012 , 37, 313-21	35
965	Nicotine normalizes event related potentials in COMT-Val-tg mice and increases gamma and theta spectral density. 2012 , 126, 332-43	9
964	The effect of chronic cannabinoids on broadband EEG neural oscillations in humans. 2012 , 37, 2184-93	35
963	Regular maternal exercise dose and fetal heart outcome. 2012 , 44, 1252-8	46
962	A common neural mechanism for preventing and terminating the allocation of attention. 2012 , 32, 10725-36	161
961	SOURCES OF EEG ACTIVITY MOST RELEVANT TO PERFORMANCE OF BRAIN-COMPUTER INTERFACE BASED ON MOTOR IMAGERY. 2012 , 22, 21-37	17
960	Understanding and imitating unfamiliar actions: distinct underlying mechanisms. 2012 , 7, e46939	10
959	Human brain cortical correlates of short-latency afferent inhibition: a combined EEG-TMS study. 2012 , 108, 314-23	69
958	Frontal theta reflects uncertainty and unexpectedness during exploration and exploitation. 2012 , 22, 2575-86	132
957	Gamma-band oscillations in the primary somatosensory cortex--a direct and obligatory correlate of subjective pain intensity. 2012 , 32, 7429-38	216
956	Methods to eliminate stimulus transduction artifact from insert earphones during electroencephalography. 2012 , 33, 144-50	60
955	Fixation-related potentials in visual search: a combined EEG and eye tracking study. 2012 , 12, 4	74
954	Localizing Sources of Brain Activity Relevant to Motor Imagery Brain-Computer Interface Performance, Using Individual Head Geometry. 2012 , 369-378	
953	Rapid processing of emotional expressions without conscious awareness. 2012 , 22, 1748-60	71
952	A widely distributed spectral signature of task-negative electrocorticography responses revealed during a visuomotor task in the human cortex. 2012 , 32, 10458-69	29
951	Oscillatory brain activity in the time frequency domain associated to change blindness and change detection awareness. 2012 , 24, 337-50	9
950	Brain--computer interface (BCI). 2012 ,	0
949	Adaptive EEG artifact rejection for cognitive games. 2012 ,	2

948	The electrophysiological signature of motivational salience in mice and implications for schizophrenia. 2012 , 37, 2846-54	8
947	CUDAICA: GPU optimization of Infomax-ICA EEG analysis. 2012 , 2012, 206972	41
946	Learning shapes spatiotemporal brain patterns for flexible categorical decisions. 2012 , 22, 2322-35	19
945	Visuo-tactile integration in personal space. 2012 , 24, 543-52	33
944	Nonspatial cueing of tactile STM causes shift of spatial attention. 2012 , 24, 1596-609	10
943	Visual evoked potentials for attentional gating in a brain-computer interface. 2012 , 2012, 1745-8	1
942	Discriminating multiple motor imageries of human hands using EEG. 2012 , 2012, 1773-6	1
941	Stop laughing! Humor perception with and without expressive suppression. 2012 , 7, 510-24	22
940	A novel concealed information test method based on independent component analysis and support vector machine. 2012 , 43, 54-63	25
939	Detection of pain from nociceptive laser-evoked potentials using single-trial analysis and pattern recognition. 2012 ,	1
938	An adaptive strategy of classification for detecting hypoglycemia using only two EEG channels. 2012 , 2012, 3515-8	7
937	Development of a MATLAB-based toolbox for brain computer interface applications in virtual reality. 2012 ,	3
936	Dynamic seizure imaging in patients with extratemporal lobe epilepsy. 2012 , 2012, 6228-31	
935	What are the symbols of Alzheimer? A permutation entropy based symbolic analysis for the detection of early changes of the electroencephalographic complexity due to mild Alzheimer. 2012 ,	
934	Impaired gamma-band activity during perceptual organization in adults with autism spectrum disorders: evidence for dysfunctional network activity in frontal-posterior cortices. 2012 , 32, 9563-73	118
933	Spectral Signatures of the Effects of Caffeine and Occipitally Applied Transcranial Magnetic Stimulation in a Task-Free Experimental Setup. 2012 , 2, 23-30	1
932	Control-display mapping in brain-computer interfaces. 2012 , 55, 564-80	34
931	Theta phase modulates multiple layer-specific oscillations in the CA1 region. 2012 , 22, 2404-14	96

930	EEG microstate analysis in human motor corrections. 2012 ,	6
929	Brain oscillations in switching vs. focusing audio-visual attention. 2012 , 2012, 352-5	8
928	Stability of ICA decomposition across within-subject EEG datasets. 2012 , 2012, 6735-9	14
927	A precluding but not ensuring role of entrained low-frequency oscillations for auditory perception. 2012 , 32, 12268-76	135
926	Neural processing of orientation differences between the eyes' images. 2012 , 12, 20	5
925	Not all errors are alike: theta and alpha EEG dynamics relate to differences in error-processing dynamics. 2012 , 32, 16795-806	138
924	Hearing an illusory vowel in noise: suppression of auditory cortical activity. 2012 , 32, 8024-34	30
923	Pre-cue fronto-occipital alpha phase and distributed cortical oscillations predict failures of cognitive control. 2012 , 32, 7034-41	33
922	Switch-related and general preparation processes in task-switching: evidence from multivariate pattern classification of EEG data. 2012 , 32, 18253-8	28
921	Neural substrate of the late positive potential in emotional processing. 2012 , 32, 14563-72	241
920	Using phase to recognize English phonemes and their distinctive features in the brain. 2012 , 109, 20685-90	12
919	Bottom-up biases in feature-selective attention. 2012 , 32, 16953-8	36
918	Making waves in the stream of consciousness: entraining oscillations in EEG alpha and fluctuations in visual awareness with rhythmic visual stimulation. 2012 , 24, 2321-33	141
917	Different spatial frequency bands selectively signal for natural image statistics in the early visual system. 2012 , 108, 2160-72	29
916	The effect of automatic blink correction on auditory evoked potentials. 2012 , 2012, 625-8	
915	Automatic EEG artifact removal based on ICA and Hierarchical Clustering. 2012 ,	8
914	Removal of blink artifacts in single channel EEG. 2012 , 2012, 3511-4	14
913	Delayed attentional disengagement from sad face: a study of alpha rhythm by event-related desynchronization. 2012 , 2012, 6776-9	1

912	Filling a glass of water: continuously decoding the speed of 3D hand movements from EEG signals. 2012 , 2012, 4095-8	4
911	Recovery of cortical effective connectivity and recovery of consciousness in vegetative patients. 2012 , 135, 1308-20	285
910	Prefrontally driven downregulation of neural synchrony mediates goal-directed forgetting. 2012 , 32, 14742-51	54
909	Learning acts on distinct processes for visual form perception in the human brain. 2012 , 32, 775-86	24
908	Lost in transition: aging-related changes in executive control by the medial prefrontal cortex. 2012 , 32, 3765-77	23
907	Characterization of scale-free properties of human electrocorticography in awake and slow wave sleep States. 2012 , 3, 76	13
906	Computationelle Neurolinguistik. 2012 , 40,	1
905	Characteristics of evoked potential multiple EEG recordings in patients with chronic pain by means of parallel factor analysis. 2012 , 2012, 279560	8
904	Categorized EEG Neurofeedback Performance Unveils Simultaneous fMRI Deep Brain Activation. 2012 , 108-115	6
903	Mental attributes and temporal brain dynamics during bargaining: EEG source localization and neuroinformatic mapping. 2012 , 7, 159-77	4
902	A within-subject ERP and fMRI investigation of orientation-specific recognition memory for pictures. 2012 , 3, 174-192	15
901	Context-aware brain-computer interfaces: exploring the information space of user, technical system and environment. 2012 , 9, 016003	57
900	Impaired filtering of irrelevant information in dysphoria: an ERP study. 2012 , 7, 752-63	34
899	Benefits of multi-domain feature of mismatch negativity extracted by non-negative tensor factorization from EEG collected by low-density array. 2012 , 22, 1250025	44
898	Synchronization dynamics and evidence for a repertoire of network states in resting EEG. 2012 , 6, 74	77
897	Visual activation of auditory cortex reflects maladaptive plasticity in cochlear implant users. 2012 , 135, 555-68	159
896	Reduced natural oscillatory frequency of frontal thalamocortical circuits in schizophrenia. 2012 , 69, 766-74	91
895	Schaffer-specific local field potentials reflect discrete excitatory events at gamma frequency that may fire postsynaptic hippocampal CA1 units. 2012 , 32, 5165-76	57

894	Tactile exploration of virtual objects for blind and sighted people: the role of beta 1 EEG band in sensory substitution and supramodal mental mapping. 2012 , 107, 2713-29	42
893	Acute and chronic effects of repeated 1 Hz rTMS on the temporal cortex. 2012 , 23, 540-5	2
892	Repetition suppression and effects of familiarity on blood oxygenation level dependent signal and gamma-band activity. 2012 , 23, 757-61	9
891	Cortical reactions to verbal abuse: event-related brain potentials reflecting the processing of socially threatening words. 2012 , 23, 774-9	14
890	Sleep electroencephalography topography and children's intellectual ability. 2012 , 23, 93-7	21
889	Meditation increases the depth of information processing and improves the allocation of attention in space. 2012 , 6, 133	56
888	A novel EEG-based brain mapping to determine cortical activation patterns in normal children and children with cerebral palsy during motor imagery tasks. 2012 , 31, 349-55	15
887	Mating signals indicating sexual receptiveness induce unique spatio-temporal EEG theta patterns in an anuran species. 2012 , 7, e52364	13
886	An electrophysiological signal that precisely tracks the emergence of error awareness. 2012 , 6, 65	57
885	Band EEG power predicts illusory auditory continuity perception. 2012 , 108, 2717-24	11
884	Task-dependent changes in cortical excitability and effective connectivity: a combined TMS-EEG study. 2012 , 107, 2383-92	47
883	Moral identity and emotion in athletes. 2012 , 34, 695-714	7
882	Modulation of the outcome-related negativity associated with nicotine abstinence. 2012 , 20, 151-60	2
881	A P300-speller based on event-related spectral perturbation (ERSP). 2012 ,	2
880	Blind extraction and localization of sound sources using point sources based approaches. 2012 , 132, 904-17	5
879	Dissociable mechanisms supporting awareness: the P300 and gamma in a linguistic attentional blink task. 2012 , 22, 2733-44	14
878	Opposite effects of ketamine and deep brain stimulation on rat thalamocortical information processing. 2012 , 36, 3407-19	46
877	Temporary inhibitory tagging at previously attended locations: evidence from event-related potentials. 2012 , 49, 1191-9	11

876	Contextual task difficulty modulates stimulus discrimination: electrophysiological evidence for interaction between sensory and executive processes. 2012 , 49, 1384-93	20
875	Common N1 and mismatch negativity neural evoked components are revealed by independent component model-based clustering analysis. 2012 , 49, 1454-63	6
874	How about taking a low-cost, small, and wireless EEG for a walk?. 2012 , 49, 1617-21	362
873	Thalamic contribution to Sleep Slow Oscillation features in humans: a single case cross sectional EEG study in Fatal Familial Insomnia. 2012 , 13, 946-52	21
872	Rhythmic fluctuations in evidence accumulation during decision making in the human brain. 2012 , 76, 847-58	162
871	Theta oscillations reflect a putative neural mechanism for human sensorimotor integration. 2012 , 107, 65-77	62
870	Automatic removal of ocular artefacts using adaptive filtering and independent component analysis for electroencephalogram data. 2012 , 6, 99	42
869	Self-regulation of brain oscillations as a treatment for aberrant brain connections in children with autism. 2012 , 79, 790-8	29
868	Vestibular inputs modulate somatosensory cortical processing. 2012 , 217, 859-64	43
867	Neuromagnetic indicators of tinnitus and tinnitus masking in patients with and without hearing loss. 2012 , 13, 715-31	83
866	Quantification of LLAEP interhemispheric symmetry by the intraclass correlation coefficient as a measure of cortical reorganization after cochlear implantation. 2012 , 76, 1729-36	3
865	Gamma oscillatory activity in relation to memory ability in older adults. 2012 , 86, 58-65	20
864	EEG correlates of spontaneous self-referential thoughts: a cross-cultural study. 2012 , 86, 173-81	36
863	EEG-ERP phase dynamics of children in the auditory Go/NoGo task. 2012 , 86, 251-61	14
862	Stimulus-classification traces are dominant in response learning. 2012 , 86, 262-8	13
861	Psychophysiological responses to sport-specific affective pictures: A study of morality and emotion in athletes. 2012 , 13, 840-848	12
860	Feasibility of focal transcranial DC polarization with simultaneous EEG recording: preliminary assessment in healthy subjects and human epilepsy. 2012 , 25, 417-25	63
859	Clinical utility of EEG in attention-deficit/hyperactivity disorder: a research update. 2012 , 9, 569-87	165

858	A supramodal accumulation-to-bound signal that determines perceptual decisions in humans. 2012 , 15, 1729-35	408
857	Neural aftereffects of errors in a stop-signal task. 2012 , 50, 3304-12	8
856	mfERG_LAB: Software for processing multifocal electroretinography signals. 2012 , 108, 377-87	4
855	Temporal variability of the N2pc during efficient and inefficient visual search. 2012 , 50, 2442-53	31
854	Neurophysiological evidence for a recollection impairment in amnesia patients that leaves familiarity intact. 2012 , 50, 3004-14	39
853	Improvements of Adaptive Filtering by Optimal Projection to filter different artifact types on long duration EEG recordings. 2012 , 108, 234-49	18
852	Age-related differences in the neural correlates of remembering time-based intentions. 2012 , 50, 2692-704	23
851	Similar Neural Correlates for Language and Sequential Learning: Evidence from Event-Related Brain Potentials. 2012 , 27, 231-256	68
850	Estimation of the haemodynamic response to epileptic activity in EEG-fMRI data. 2012 ,	
849	Too tired for calling? A physiological measure of fatigue caused by bandwidth limitations. 2012 ,	21
848	Variable bandwidth filtering for improved sensitivity of cross-frequency coupling metrics. 2012 , 2, 155-63	41
847	Multiscale permutation entropy analysis of the EEG in early stage alzheimer's patients. 2012 ,	4
846	Mapping Information Flow of Independent Source to Predict Conscious Level: A Granger Causality Based Brain-Computer Interface. 2012 ,	4
845	Design of a Framework to generate applications oriented to biosignals processing. 2012 ,	
844	Phase synchronization and directional coupling between brain and heart during sleep. 2012 ,	
843	Auditory-cognitive interactions underlying interaural asymmetry in an adult listener: a case study. 2012 , 51, 124-34	5
842	Sequential nonnegative tucker decomposition on multi-way array of time-frequency transformed event-related potentials. 2012 ,	2
841	. 2012 ,	5

840	Go with the Winner: Optimizing Detection of Modular Organization Differences in Dynamic Functional Brain Networks. 2012,	
839	ERP and time frequency analysis of response to subject's own name. 2012,	1
838	Incorporating GOMS analysis into the design of an EEG data visual analysis tool. 2012,	1
837	Classification of EEG recordings without perfectly time-locked events. 2012,	1
836	A particle swarm optimization-based neural network for detecting nocturnal hypoglycemia using electroencephalography signals. 2012,	1
835	Generalized Mean Phase Coherence for asynchrony abnormality detection in multichannel newborn EEG. 2012,	1
834	Information Technology in Bio- and Medical Informatics. 2012,	
833	Selection of independent components based on cortical mapping of electromagnetic activity. 2012, 9, 056006	3
832	A multimodal imaging approach to the evaluation of post-traumatic epilepsy. 2012, 25, 345-60	19
831	. 2012,	1
830	Online vigilance analysis based on electrooculography. 2012,	
829	Relationship between etiology and covert cognition in the minimally conscious state. 2012, 78, 816-22	83
828	Are current gait-related artifact removal techniques useful for low-complexity BCIs?. 2012,	
827	Motion sickness estimation system. 2012,	4
826	Factorization based blind identification and separation of nonstationary seizure signals. 2012,	2
825	Evidence for an all-or-none perceptual response: single-trial analyses of magnetoencephalography signals indicate an abrupt transition between visual perception and its absence. 2012, 206, 167-82	7
824	Interindividual reaction time variability is related to resting-state network topology: an electroencephalogram study. 2012, 202, 276-82	22
823	The processing bias for threatening cues revealed by event-related potential and event-related oscillation analyses. 2012, 203, 91-8	27

822	Neurophysiological impairment in emotional face processing is associated with low extraversion in schizophrenia. 2012 , 37, 270-5	19
821	Sleep scoring using artificial neural networks. 2012 , 16, 251-63	143
820	Event-related EEG time-frequency analysis and the Orienting Reflex to auditory stimuli. 2012 , 49, 744-55	15
819	Proactive and reactive control in S-R compatibility: a brain potential analysis. 2012 , 49, 756-69	5
818	New rather than old? For working memory tasks with abstract patterns the P3 and the single-trial delta response are larger for modified than identical probe stimuli. 2012 , 49, 920-32	15
817	Enhanced error-related negativity on flanker errors: error expectancy or error significance?. 2012 , 49, 899-908	32
816	The "electrophysiological sandwich": a method for amplifying ERP priming effects. 2012 , 49, 1114-24	4
815	Preparatory distributed cortical synchronization determines execution of some, but not all, future intentions. 2012 , 49, 1155-67	1
814	The Stroop matching task presents conflict at both the response and nonresponse levels: an event-related potential and electromyography study. 2012 , 49, 1215-24	14
813	Neural correlates of perceived risk: the case of HIV. 2012 , 7, 667-76	13
812	Auditory perception at the root of language learning. 2012 , 109, 15953-8	82
811	. 2012 , 59, 2044-2055	88
810	Feasibility and test-retest reliability of an electroencephalography-based brain mapping system in children with cerebral palsy: a preliminary investigation. 2012 , 93, 882-8	10
809	Systematic biases in early ERP and ERF components as a result of high-pass filtering. <i>Journal of Neuroscience Methods</i> , 2012 , 209, 212-8	3 112
808	Modeling epileptic brain states using EEG spectral analysis and topographic mapping. <i>Journal of Neuroscience Methods</i> , 2012 , 210, 220-9	3 32
807	A two-stage four-class BCI based on imaginary movements of the left and the right wrist. 2012 , 34, 964-71	33
806	Spatial cueing modulates the monitoring of correct responses. 2012 , 506, 225-8	7
805	Age-related changes of task-specific brain activity in normal aging. 2012 , 507, 78-83	29

804	Effects of morning melatonin administration on electroencephalographic theta to alpha power ratio in reproductive versus postmenopausal healthy female volunteers. 2012 , 507, 90-3	4
803	Face specific broadband electrocorticographic spectral power change in the rhinal cortex. 2012 , 515, 66-70	8
802	Brain oscillatory 4-35 Hz EEG responses during an n-back task with complex visual stimuli. 2012 , 516, 141-5	24
801	Effects of overt and covert attention on the steady-state visual evoked potential. 2012 , 519, 37-41	47
800	Semi-automatic attenuation of cochlear implant artifacts for the evaluation of late auditory evoked potentials. 2012 , 284, 6-15	48
799	Band oscillations as a correlate of alertness--changes in aging. 2012 , 85, 62-7	60
798	Alpha amplitude and phase locking in obsessive-compulsive disorder during working memory. 2012 , 83, 1-7	7
797	Alpha spindles as neurophysiological correlates indicating attentional shift in a simulated driving task. 2012 , 83, 110-8	24
796	Band oscillations engagement in human alertness process. 2012 , 85, 125-8	92
795	When can we choose to forget? An ERP study into item-method directed forgetting of emotional words. 2012 , 78, 133-47	33
794	Surface EEG shows that functional segregation via phase coupling contributes to the neural substrate of mental calculations. 2012 , 80, 45-52	26
793	EEG mu component responses to viewing emotional faces. 2012 , 226, 309-16	73
792	Maintenance of tactile short-term memory for locations is mediated by spatial attention. 2012 , 89, 39-46	11
791	Does modulation of selective attention to features reflect enhancement or suppression of neural activity?. 2012 , 89, 398-407	24
790	Behavioral approach and reward processing: results on feedback-related negativity and P3 component. 2012 , 89, 416-25	91
789	Extraversion and fronto-posterior EEG spectral power gradient: an independent component analysis. 2012 , 89, 515-24	12
788	Does processing of emotional facial expressions depend on intention? Time-resolved evidence from event-related brain potentials. 2012 , 90, 23-32	164
787	Electrophysiological responses to threat in youth with and without Posttraumatic Stress Disorder. 2012 , 90, 88-96	20

786	The neural mechanisms of percept-memory comparison in visual working memory. 2012 , 90, 71-9	18
785	Lexical access in American Sign Language: an ERP investigation of effects of semantics and phonology. 2012 , 1468, 63-83	27
784	The error-related negativity associated with different strength of stimulus-response interference. 2012 , 123, 689-99	15
783	Explicit semantic tasks are necessary to study semantic priming effects with high rates of repetition. 2012 , 123, 741-54	15
782	Multiscale rescaled range analysis of EEG recordings in sevoflurane anesthesia. 2012 , 123, 681-8	17
781	Modulating oscillatory brain activity correlates of behavioral inhibition using transcranial direct current stimulation. 2012 , 123, 979-84	80
780	Muscle artifacts in multichannel EEG: characteristics and reduction. 2012 , 123, 1676-86	35
779	Residual brain dysfunction observed one year post-mild traumatic brain injury: combined EEG and balance study. 2012 , 123, 1755-61	62
778	Heartbeat evoked potentials mirror altered body perception in depressed patients. 2012 , 123, 1950-7	125
777	Cortical processing of musical sounds in children with Cochlear Implants. 2012 , 123, 1966-79	28
776	Dynamic imaging of seizure activity in pediatric epilepsy patients. 2012 , 123, 2122-9	21
775	Spectral and spatial shifts of post-ictal slow waves in temporal lobe seizures. 2012 , 135, 3134-43	25
774	Only low frequency event-related EEG activity is compromised in multiple sclerosis: insights from an independent component clustering analysis. 2012 , 7, e45536	12
773	EEG correlates of fatigue during administration of a neuropsychological test battery. 2012 , 123, 278-84	70
772	Age- and disease-related features of task-related brain oscillations by using mutual information. 2012 , 2, 754-62	9
771	The motor cortex drives the muscles during walking in human subjects. 2012 , 590, 2443-52	211
770	Narrow band quantitative and multivariate electroencephalogram analysis of peri-adolescent period. 2012 , 13, 104	19
769	ERP evidence for the recognition of emotional prosody through simulated cochlear implant strategies. 2012 , 13, 113	11

768	An EEG-based study of discrete isometric and isotonic human lower limb muscle contractions. 2012 , 9, 35	53
767	Weighted phase lag index stability as an artifact resistant measure to detect cognitive EEG activity during locomotion. 2012 , 9, 47	48
766	Automatic artefact removal in a self-paced hybrid brain- computer interface system. 2012 , 9, 50	19
765	Alpha activity marking word boundaries mediates speech segmentation. 2012 , 36, 3740-8	8
764	Different slopes for different folks: alpha and delta EEG power predict subsequent video game learning rate and improvements in cognitive control tasks. 2012 , 49, 1558-70	60
763	Rhythmic neuronal activity in S2 somatosensory and insular cortices contribute to the initiation of absence-related spike-and-wave discharges. 2012 , 53, 1948-58	39
762	Box for interaction with objects (BIO): a new device to synchronize the presentation of objects with electrophysiological recordings. 2012 , 44, 1115-20	6
761	Theta dynamics reveal domain-specific control over stimulus and response conflict. 2012 , 24, 1264-74	141
760	Characterization and robust classification of EEG signal from image RSVP events with independent time-frequency features. 2012 , 7, e44464	15
759	Perception of long-distance coarticulation: An event-related potential and behavioral study. 2012 , 33, 55-82	16
758	Combining ERPs and EEG spectral features for decoding intended movement direction. 2012 , 2012, 1769-72	7
757	Changes in N400 topography following intensive speech language therapy for individuals with aphasia. 2012 , 123, 94-103	22
756	NMDA antagonist MK801 recreates auditory electrophysiology disruption present in autism and other neurodevelopmental disorders. 2012 , 234, 233-7	30
755	Evidence for impaired neocortical synaptic plasticity in bipolar II disorder. 2012 , 71, 68-74	34
754	Hierarchical organization of gamma and theta oscillatory dynamics in schizophrenia. 2012 , 71, 873-80	120
753	Neural activations during auditory oddball processing discriminating schizophrenia and psychotic bipolar disorder. 2012 , 72, 766-74	46
752	Synchronization between the anterior and posterior cortex determines consciousness level in patients with traumatic brain injury (TBI). 2012 , 1476, 22-30	31
751	Impact of lower- vs. upper-hemifield presentation on automatic colour-deviance detection: a visual mismatch negativity study. 2012 , 1472, 89-98	16

750	ERP correlates of unexpected word forms in a picture-word study of infants and adults. 2012 , 2, 223-34	17
749	Adaptive training using an artificial neural network and EEG metrics for within- and cross-task workload classification. 2012 , 59, 48-56	97
748	The primary somatosensory cortex largely contributes to the early part of the cortical response elicited by nociceptive stimuli. 2012 , 59, 1571-81	91
747	Quantifying additive evoked contributions to the event-related potential. 2012 , 59, 2607-24	12
746	The fMRI BOLD signal tracks electrophysiological spectral perturbations, not event-related potentials. 2012 , 59, 2600-6	45
745	Gamma band pitch responses in human auditory cortex measured with magnetoencephalography. 2012 , 59, 1904-11	29
744	Processing of unattended facial emotions: a visual mismatch negativity study. 2012 , 59, 3042-9	127
743	Time-Frequency Analysis of Event-Related Brain Recordings: Connecting Power of Evoked Potential and Inter-Trial Coherence. 2022 , 1-12	o
742	The Effect of Attentional Focus on Real-Time Conscious Motor Processing During Tandem Walking in Young Adults. 2022 , 1-14	o
741	Strength of Attentional Modulation on Cortical Auditory Evoked Responses Correlates with Speech-in-Noise Performance in Bimodal Cochlear Implant Users. 2022 , 26, 233121652211411	o
740	An EEG-informed Hemodynamic Response Modeling Method for fNIRS Signals. 2022 ,	o
739	Spatio-Temporal Analysis of Transformer based Architecture for Attention Estimation from EEG. 2022 ,	o
738	Removal of Ocular Artifacts in EEG Using Deep Learning. 2022 ,	o
737	Low Frequency Brain Oscillations for Brain-Computer Interface applications: from the sources to the scalp domain. 2022 ,	o
736	Enhancing Motor-Imagery Brain-Computer Interface Training With Embodied Virtual Reality: A Pilot Study With Older Adults. 2022 ,	o
735	STIM-MOTANA: an interventional and prospective study to detect motor cerebral activity after median nerve stimulation during general anesthesia (Preprint).	o
734	Synchrosqueezing Transform and Non-Negative Matrix Factorization based Feature Extraction from EEG Signals for Motor Imagery Classification. 2022 ,	o
733	Direction decoding of physical and visual perturbations from EEG. 2022 ,	o

- 732 Attention, Boredom and Mind Wandering during a Vigilance Task: EEG and Ocular Markers. **2022**, 0
- 731 STIM-MOTANA: an interventional and prospective study to detect motor cerebral activity after median nerve stimulation during general anesthesia (Preprint). 0
- 730 Is Event-Related Desynchronization variability correlated with BCI performance?. **2022**, 0
- 729 Social relationship modulates advisor's brain response to advice-giving outcome evaluation: Evidence from an event-related potential study. 16, 0
- 728 Impact of depressed state on attention and language processing during news broadcasts: EEG analysis and machine learning approach. **2022**, 12, 0
- 727 Reactivating Positive Personality Traits During Sleep Impacts Self-Evaluative Memories. 0
- 726 Effects of decorative pictures on mental processing demands and learning: An EEG and eye-tracking study. **2022**, 231, 103798 0
- 725 EEG-based Auditory Attention Detection with Estimated Speech Sources Separated from an Ideal-binary-masking Process. **2022**, 0
- 724 Neural correlates of probabilistic information processing in gesture-speech integration. 0
- 723 Modulation of cortical beta oscillations influences motor vigor: A rhythmic TMS-EEG study. 0
- 722 Neural signature of attention impairment in allergic asthma: an ERP study. 1-11 0
- 721 Naturalistic viewing: An open-access dataset using simultaneous EEG-fMRI. 0
- 720 EEG-LLAMAS: an open source, low latency, EEG-fMRI neurofeedback platform. 1
- 719 Learning new meanings for known L2 words: Long-term semantic representation is updated to integrate new information after consolidation. 1
- 718 Hemispheric Utilization of Alpha Oscillatory Dynamics as a Unique Biomarker of Neural Compensation in Females with Fragile X Syndrome. **2022**, 13, 3389-3402 0
- 717 Driving Fatigue Detection with Three Non-Hair-Bearing EEG Channels and Modified Transformer Model. **2022**, 24, 1715 0
- 716 Neuromodulatory effects of theta burst stimulation to the prefrontal cortex. **2022**, 9, 0
- 715 Understanding creativity process through electroencephalography measurement on creativity-related cognitive factors. 16, 1

- 714 EEG and pupillometric signatures of working memory overload. o
- 713 Theta Band (48 Hz) Oscillations Reflect Online Processing of Rhythm in Speech Production. **2022**, 12, 1593 o
- 712 A study on Frequency Domain Microstate Feature Fusion for EEG Emotion Recognition. **2022**, o
- 711 Electroencephalography Signatures for Hepatic Encephalopathy in Cirrhosis Patients Treated with Proton Pump Inhibitors: An Exploratory Pilot Study. **2022**, 10, 3040 o
- 710 Loss of functional System x-c uncouples aberrant postnatal neurogenesis from epileptogenesis in the hippocampus of Kcna1-KO mice. **2022**, 41, 111696 o
- 709 Theta oscillations and minor hallucinations in Parkinson's disease reveal decrease in frontal lobe functions and later cognitive decline. o
- 708 Human visual consciousness involves large scale cortical and subcortical networks independent of task report and eye movement activity. **2022**, 13, o
- 707 PlayMeBack - Cognitive Load Measurement using Different Physiological Cues in a VR Game. **2022**, o
- 706 Propofol modulates neural dynamics of thalamo-cortical system associated with anesthetic levels in rats. o
- 705 A family study of symbolic learning and synaptic plasticity in autism spectrum disorder. 16, o
- 704 Neural Noise in Auditory Responses in Young Autistic and Neurotypical Children. o
- 703 High-Frequency Local Field Potential Oscillations May Modulate Aggressive Behaviors in Mice. **2022**, 11, 1682 o
- 702 Aerobic exercise training selectively improves cortical inhibitory function after stroke. o
- 701 Evaluating the Alterations Induced by Virtual Reality in Cerebral Small-World Networks Using Graph Theory Analysis with Electroencephalography. **2022**, 12, 1630 o
- 700 Effects of brain network segregation and integration on motor imagery sensorimotor rhythm. **2023**, 2, 5-22 o
- 699 Repetitive Anodal TDCS to the Frontal Cortex Increases the P300 during Working Memory Processing. **2022**, 12, 1545 o
- 698 Impact of reduced-dimensionality independent components analysis on event-related potential measurements. o
- 697 Simulator-Based Framework to Incorporate Driving Heterogeneity via a Biobehavioral Extension to the Intelligent Driver Model. 036119812211346 o

- 696 Modeling Brain Functional Connectivity Patterns during an Isometric Arm Force Exertion Task at Different Levels of Perceived Exertion: A Graph Theoretical Approach. **2022**, 12, 1575 ○
- 695 What's that on Your Phone? Effects of Mobile Device Task Type on Pedestrian Performance. 0018720822114110 ○
- 694 Improving fluid intelligence of children through working memory training: The role of inhibition control. 13, ○
- 693 Sensory stimulation for upper limb amputations modulates adaptability of cortical large-scale systems and combination of somatosensory and visual inputs. **2022**, 12, ○
- 692 An effective brain connectivity technique to predict repetitive transcranial magnetic stimulation outcome for major depressive disorder patients using EEG signals. ○
- 691 Correspondence between the Video-Learning Deep Neural Networks and EEG Brain Activity during Naturalistic Video Viewing. **2022**, ○
- 690 Context effects on object recognition in real-world environments: A study protocol. 7, 165 ○
- 689 EEG Signal Power Prediction Using DEAP Dataset. **2022**, ○
- 688 Predicting Text-To-Speech Quality using Brain Activity. **2022**, ○
- 687 Multimodal Assessment of Smoking cue Reactivity During a Smoking Cue Exposure Task. 155005942211382 ○
- 686 One-year-later spontaneous EEG features predict visual exploratory human phenotypes. **2022**, 5, ○
- 685 Alpha-band lateralization and microsaccades elicited by exogenous cues do not track attentional orienting. ○
- 684 Effects of continuous tactile stimulation on auditory-evoked cortical responses depend on the audio-tactile phase. ○
- 683 Reactivating Positive Personality Traits During Sleep Impacts Self-Evaluative Memories. ○
- 682 Non-invasive multi-channel electrophysiology of the human spinal cord assessing somatosensory processing from periphery to cortex. ○
- 681 Age-related differences in ERP correlates of value-based decision making. **2022**, ○
- 680 Crossmodal visual predictions elicit spatially specific early visual cortex activity but later than real visual stimuli. ○
- 679 Preservation of EEG spectral power features during simultaneous EEG-fMRI. 16, 1

678	At Which Low Amplitude Modulated Frequency Do Infants Best Entrain? A Frequency Tagging Study.	0
677	Sound localization and auditory selective attention in school-aged children with ADHD. 16,	1
676	Age effects on cognitive functions and speech-in-noise processing: An event-related potential study with cochlear-implant users and normal-hearing listeners. 16,	0
675	The foreign-language effect on self-positivity bias: Behavioral and electrophysiological evidence. 1-10	0
674	Effect of robotic tilt table verticalization on recovery in patients with disorders of consciousness: a randomized controlled trial.	0
673	Differential modulation of visual responses by distractor or target expectations.	0
672	Novel tests of capture by irrelevant abrupt onsets: No evidence for a mediating role of search task difficulty during color search.	0
671	The effects of grammatical gender on the processing of occupational role names in Slovene: An event-related potential study. 13,	0
670	Selective and replicable neuroimaging-based indicators of pain discriminability. 2022 , 3, 100846	0
669	Modulation of I-Wave Generating Pathways With Repetitive Paired-Pulse Transcranial Magnetic Stimulation: A Transcranial Magnetic StimulationElectroencephalography Study. 2022 ,	0
668	Decoding Neural Patterns for the Processing of Fearful Faces under Different Visual Awareness Conditions: A Multivariate Pattern Analysis.	0
667	Effects of Sleep Deprivation on Functional Connectivity of Brain Regions after High-Intensity Exercise in Adolescents. 2022 , 14, 16175	0
666	Unveiling the time course of visual stabilization through human electrophysiology.	0
665	Altered Functional Connectivity and Complexity in Major Depressive Disorder after Musical Stimulation. 2022 , 12, 1680	1
664	Attentional capture is modulated by stimulus saliency in visual search as evidenced by event-related potentials and alpha oscillations.	0
663	The influence of predictability, visual contrast, and preview validity on eye movements and N400 amplitude: co-registration evidence that the N400 reflects late processes. 1-22	0
662	Investigating User Proficiency of Motor Imagery for EEG-Based BCI System to Control Simulated Wheelchair. 2022 , 22, 9788	1
661	A P300 Brain-Computer Interface for Lower Limb Robot Control Based on Tactile Stimulation.	0

- 660 Virtual accident curb risk habituation in workers by restoring sensory responses to real-world warning. **2022**, 105827 ○
- 659 Beat processing in newborn infants cannot be explained by statistical learning based on transition probabilities. ○
- 658 Single-subject EEG measurement of interhemispheric transfer-time for the in-vivo estimation of axonal morphology. ○
- 657 Stereo-EEG recordings extend known distributions of canonical movement-related oscillations. ○
- 656 Sleep Deprivation-Induced Changes in Baseline Brain Activity and Vigilant Attention Performance. **2022**, 12, 1690 1
- 655 Alpha Suppression Is Associated with the Tip-of-the-Tongue (TOT) State Whereas Alpha Expression Is Associated with Knowing That One Does Not Know. **2022**, 10, 121 ○
- 654 Neural Entrainment to Musical Pulse in Naturalistic Music Is Preserved in Aging: Implications for Music-Based Interventions. **2022**, 12, 1676 ○
- 653 Ratings or Sales? The Neural and Psychological Processes of Online Experience Product Purchase: Evidence from a Sample of Chinese University Students. **2022**, 12, 499 ○
- 652 Scale-Free Functional Brain Networks Exhibit Increased Connectivity, Are More Integrated and Less Segregated in Patients with Parkinson's Disease following Dopaminergic Treatment. **2022**, 6, 737 ○
- 651 Alterations of theta power and synchrony during encoding in young adult binge drinkers: Subsequent memory effects associated with retrieval after 48 h and 6 months. 13, ○
- 650 Single trial detection of error-related potentials in brain-machine interfaces: A survey and comparison of methods. ○
- 649 Removing ocular artifacts from magnetoencephalographic data on naturalistic reading of continuous texts. 16, ○
- 648 The Effects of First-Dose Methylphenidate on the Neural Signatures of Visual Selective Attention in Children with Attention-Deficit/Hyperactivity Disorder. **2022**, 108481 ○
- 647 Continuous Bimanual Trajectory Decoding of Coordinated Movement From EEG Signals. **2022**, 26, 6012-6023 1
- 646 Lower socioeconomic status is associated with greater neural responses to deviance in the ambient environment. ○
- 645 Context independent reductions in external processing during self-generated episodic social cognition. **2022**, ○
- 644 Brain computer interface to distinguish between self and other related errors in human agent collaboration. **2022**, 12, ○
- 643 Frequency dependent emotion differentiation and directional coupling in amygdala, orbitofrontal and medial prefrontal cortex network with intracranial recordings. ○

642	Neurocognitive Dynamics of Prosodic Salience over Semantics during Explicit and Implicit Processing of Basic Emotions in Spoken Words. 2022 , 12, 1706	o
641	EEG error-related potentials encode magnitude of errors and individual perceptual thresholds.	o
640	Pulse Intensity Effects of Burst and Tonic Spinal Cord Stimulation on Neural Responses to Brushing in Patients With Neuropathic Pain. 2022 ,	o
639	EEG-Based Mapping of Resting-State Functional Brain Networks in Patients with Parkinson's Disease. 2022 , 7, 231	o
638	Short-term transcutaneous trigeminal nerve stimulation does not affect visual oddball task and paired-click paradigm ERP responses in healthy volunteers.	o
637	Alpha suppression during prehension indicates neural motor drive inhibition.	o
636	Effects of iron supplementation on neural indices of habituation in Bangladeshi children. 2022 ,	o
635	Responses at Individual Gamma Frequencies Are Related to the Processing Speed but Not the Inhibitory Control. 2023 , 13, 26	1
634	Intelligence and Visual Mismatch Negativity: Is Pre-Attentive Visual Discrimination Related to General Cognitive Ability?. 1-17	o
633	Sleep spindles and slow waves are physiological markers for age-related changes in gray matter in brain regions supporting problem-solving skills. 2023 , 30, 12-24	o
632	A scoping review on the use of consumer-grade EEG devices for research.	1
631	ERPs responses to dominance features from human faces. 2022 , 12,	o
630	Machine Learning in Classification of Parkinson's Disease Using Electroencephalogram with Simon's Conflict. 2023 , 110-122	o
629	Lingering neural representations of past task features adversely affect future behavior. JN-RM-0464-22	o
628	Effect of Stimulus Size in a Visual ERP-Based BCI under RSVP. 2022 , 22, 9505	o
627	Toward Affirmation of Recovery of Deeply Embedded Autobiographical Memory with Background Music and Identification of an EEG Biomarker in Combination with EDA Signal Using Wearable Sensors. 2022 , 6, 26	o
626	Neurophysiological evidence against attentional suppression as the source of the same-location cost in spatial cueing.	o
625	Sensory Inhibition and Speech Perception-in-Noise Performance in Children With Normal Hearing. 1-18	o

- 624 Beta rhythmicity in human motor cortex reflects neural population coupling that modulates subsequent finger coordination stability. **2022**, 5, ○
- 623 Tracking momentary fluctuations in human attention with a cognitive brain-machine interface. **2022**, 5, ○
- 622 Tensor factorization approach for ERP-based assessment of schizotypy in a novel auditory oddball task on perceived family stress. **2022**, 19, 066028 ○
- 621 Developmental differences in EEG oscillations supporting the identification of novel word meaning from context. **2022**, 58, 101185 ○
- 620 Paradoxical improvement of cognitive control in older adults under dual-task walking conditions is associated with more flexible reallocation of neural resources: A Mobile Brain-Body Imaging (MoBI) study. ○
- 619 Multivariate ERP Analysis of Neural Activations Underlying Processing of Aesthetically Manipulated Self-Face. **2022**, 12, 13007 ○
- 618 Impact of face outline, parafoveal feature number and feature type on early face perception in a gaze-contingent paradigm: A mass-univariate re-analysis of ERP data. **2022**, 2, 100148 ○
- 617 HArtMuT Modeling eye and muscle contributors in neuroelectric imaging. **2022**, 19, 066041 ○
- 616 Reliability of resting-state functional connectivity in the human spinal cord: assessing the impact of distinct noise sources. ○
- 615 Theta and gamma oscillations in the rat hippocampus support the discrimination of object displacement in a recognition memory task. 16, ○
- 614 Resting-State Functional Networks Correlate with Motor Performance in a Complex Visuomotor Task: An EEG Microstate Pilot Study on Healthy Individuals. ○
- 613 Somatomotor Beta Bursts Mediate the Negative Impact of PTSD Severity on Conflict Monitoring. ○
- 612 The gray matter morphology associated with the electrophysiological response to errors in individuals with high trait anxiety. **2022**, ○
- 611 EEG-based sensory testing reveals altered nociceptive processing in elite endurance athletes. ○
- 610 Grasping the semantic of actions: a combined behavioral and MEG study. 16, ○
- 609 Efficient Low-Frequency SSVEP Detection with Wearable EEG Using Normalized Canonical Correlation Analysis. **2022**, 22, 9803 ○
- 608 Neural, physiological and behavioral correlates of empathy for pain in Tourette syndrome. ○
- 607 Face recognition ability is manifest in early dynamic decoding of face-orientation selectivityEvidence from multi-variate pattern analysis of the neural response. **2022**, ○

606	Age-related changes in midfrontal theta activity during steering control: A driving simulator study. 2022 ,	0
605	Alpha transcranial alternating current stimulation reduces depressive symptoms in people with schizophrenia and auditory hallucinations: a double-blind, randomized pilot clinical trial. 2022 , 8,	0
604	Multimodal monitoring of human cortical organoids implanted in mice reveal functional connection with visual cortex. 2022 , 13,	1
603	Gamma frequency sensory stimulation in mild probable Alzheimer's dementia patients: Results of feasibility and pilot studies. 2022 , 17, e0278412	1
602	Expectation modulates the preferential processing of task-irrelevant fear in the attentional blink: evidence from event-related potentials. 2022 , 18,	0
601	Reproducibility of Test-Retest Cortical Evoked Responses in Patients with Focal Epilepsy. 2023 , 13, 1-13	0
600	Real-time affect detection in virtual reality: a technique based on a three-dimensional model of affect and EEG signals. 3,	0
599	Cross-task cognitive workload recognition using a dynamic residual network with attention mechanism based on neurophysiological signals. 2023 , 107352	0
598	Temporal asymmetries and interactions between dorsal and ventral visual pathways during object recognition.	0
597	Common brain activity features discretization for predicting perceived speech quality. 2023 , 216, 774-783	0
596	Personalized alpha-tACS targeting left posterior parietal cortex modulates visuo-spatial attention and posterior evoked EEG activity.	0
595	Quantitative approaches to guide epilepsy surgery from intracranial EEG.	0
594	How Functional Connectivity Measures Affect the Outcomes of Global Neuronal Network Characteristics in Patients with Schizophrenia Compared to Healthy Controls. 2023 , 13, 138	1
593	Applying Action Observation During a Brain-Computer Interface on Upper Limb Recovery in Chronic Stroke Patients. 2023 , 11, 4931-4943	0
592	EEG Lempel-Ziv complexity varies with sleep stage, but does not seem to track dream experience. 16,	0
591	Effects of inhaling essential oils of Citrus limonum L., Santalum album, and Cinnamomum camphora on human brain activity.	0
590	Gamma Oscillations and Potassium Channel Modulation in Schizophrenia: Targeting GABAergic Dysfunction. 155005942211486	0
589	The mitigation of the executive vigilance decrement via HD-tDCS over the right posterior parietal cortex and its association with neural oscillations.	0

- 588 iCanClean Improves Independent Component Analysis of Mobile Brain Imaging with EEG. **2023**, 23, 928 ○
- 587 The role of subjective significance, valence and arousal in the explicit processing of emotion-laden words. 11, e14583 ○
- 586 Altered resting-state network connectivity patterns for predicting attentional function in deaf individuals: An EEG study. **2023**, 108696 ○
- 585 Facial representation comparisons between human brain and deep convolutional neural network reveal a fatigue repetition suppression mechanism. ○
- 584 Auditory Fine-Tuned Suppressor of TMS-Clicks (TMS-Click AFTS): A Novel, Perceptually Driven/Tuned Approach for the Reduction in AEP Artifacts in TMS-EEG Studies. **2023**, 13, 1047 ○
- 583 Development of Machine Learning Approaches for Autism Detection Using EEG Data: A Comparative Study. **2023**, 339-349 ○
- 582 Neuropsychological Alterations of Prolactinomas Cognitive Flexibility in Task Switching. **2023**, 13, 82 ○
- 581 Scale-Free Dynamics in Instantaneous Alpha Frequency Fluctuations: Validation, Test Retest Reliability and Its Relationship with Task Manipulations. ○
- 580 The Effect of Design Styles and Logos on Product Preference. **2023**, 785-799 ○
- 579 Multiple independent components contribute to event-related potential correlates of conscious vision. ○
- 578 Neurophysiological principles of inhibitory control processes during cognitive flexibility. ○
- 577 Does hand position affect orienting when no action is required? An electrophysiological study. 16, ○
- 576 The Mode of Endurance Exercise Influences Changes in EEG Resting State Graphs among High-Level Cross-Country Skiers. Publish Ahead of Print, ○
- 575 Functional connectivity alterations in patients with post-stroke epilepsy based on source-level EEG and graph theory. ○
- 574 Selective attention decoding in bimodal cochlear implant users. 16, ○
- 573 Predicting drum beats from high-density Brain Rhythms. **2023**, ○
- 572 Context matters: How do task demands modulate the recruitment of sensorimotor information during language processing?. 16, ○
- 571 Brain signatures indexing variation in internal processing during perceptual decision-making. ○

- 570 Wearable System Based on Ultra-Thin Parylene C Tattoo Electrodes for EEG Recording. **2023**, 23, 766 ○
- 569 Alteration in Cortical Activity and Perceived Sensation Following Modulated TENS. **2023**, 1-1 ○
- 568 Transcutaneous Auricular Vagus Nerve Stimulation Facilitates Cortical Arousal and Alertness. **2023**, 20, 1402 ○
- 567 Neural phoneme discrimination in variable speech in newborns Associations with dyslexia risk and later language skills. ○
- 566 An objective model for diagnosing comorbid cognitive impairment in patients with epilepsy based on the clinical-EEG functional connectivity features. 16, ○
- 565 Electroencephalographic Effective Connectivity Analysis of the Neural Networks during Gesture and Speech Production Planning in Young Adults. **2023**, 13, 100 ○
- 564 Cortical beta power reflects a neural implementation of decision boundary collapse in a speeded flanker task. ○
- 563 Decoding of EEG signals reveals non-uniformities in the neural geometry of colour. **2023**, 119884 ○
- 562 Effects of working memory span training on top-down attentional asymmetry at both neural and behavioral levels. ○
- 561 External validation of binary machine learning models for pain intensity perception classification from EEG in healthy individuals. **2023**, 13, ○
- 560 Brain Signatures of Early and Late Neural Measures of Auditory Habituation and Discrimination in Autism and Their Relationship to Autistic Traits and Sensory Overresponsivity. ○
- 559 Towards emotionally intelligent buildings: A Convolutional neural network based approach to classify human emotional experience in virtual built environments. **2023**, 55, 101868 1
- 558 Cortical, muscular, and kinetic activity underpinning attentional focus strategies during visuomotor control. ○
- 557 Different rules for binocular combination of luminance flicker in cortical and subcortical pathways. ○
- 556 Perfectionism-related variations in error processing in a task with increased response selection complexity. **2023**, 5, ○
- 555 Association between preoperative frontal electroencephalogram alpha asymmetry and postoperative quality of recovery: an observational study. **2023**, ○
- 554 EEG-based spatio-temporal relation signatures for the diagnosis of depression and schizophrenia. **2023**, 13, ○
- 553 Increased top-down control of emotions during symptom provocation working memory tasks following an RCT of alpha-down neurofeedback in PTSD. **2023**, 103313 2

- 552 Global attentional selection of visual features is not associated with selective modulation of posterior alpha-band activity. ○
- 551 Habituation of the stress response multiplex to repeated cold pressor exposure. 13, ○
- 550 Multivariate Multiscale Entropy (mMSE) as a tool for understanding the resting-state EEG signal dynamics: the spatial distribution and sex/gender- related differences. ○
- 549 Source Localization and Spectrum Analyzing of EEG in Stuttering State upon Dysfluent Utterances. 155005942211506
- 548 Semantic violation in sentence reading and incongruence in chord sequence comprehension: An ERP study. **2023**, e13043 ○
- 547 Temporal features of concepts are grounded in time perception neural networks: An EEG study. **2023**, 237, 105220 ○
- 546 EEG measures of attention toward food-related stimuli vary with food neophobia. **2023**, 106, 104805 ○
- 545 Observation of respiration-entrained brain oscillations with scalp EEG. **2023**, 797, 137079 1
- 544 Neural signatures for the n-back task with different loads: An event-related potential study. **2023**, 177, 108485 ○
- 543 Predicting individual differences in behavioral activation and behavioral inhibition from functional networks in the resting EEG. **2023**, 177, 108483 ○
- 542 Bilingualism modulates neural efficiency at rest through alpha reactivity. **2023**, 180, 108486 ○
- 541 EEG complexity during mind wandering: A multiscale entropy investigation. **2023**, 180, 108480 ○
- 540 Efficient use of peripheral information for temporal prediction. **2023**, 177, 108484 ○
- 539 EEG responses to standardised noxious stimulation during clinical anaesthesia: a pilot study. **2023**, 5, 100118 ○
- 538 Frontal cortex cooling and modulation of brain frequencies using a wearable Peltier device. **2023**, 652, 414641 ○
- 537 Dynamics of low-pass-filtered object categories: A decoding approach to ERP recordings. **2023**, 204, 108165 ○
- 536 Detection of mental stress using novel spatio-temporal distribution of brain activations. **2023**, 82, 104526 ○
- 535 Measuring electrical activity in the brain during exercise: A review of methods, challenges, and opportunities. **2020**, 16, 4-19 ○

534	Neural correlates of anti-suicidal response to ketamine in treatment-resistant bipolar depression (DEEPP-Study): Protocol for a Pilot, Open-Label Clinical Trial (Preprint).	0
533	Measuring Human Perception of Audiovisual Errors using EEG. 2022 ,	0
532	Clinical thresholds in pain-related facial activity linked to differences in cortical network activation in neonates. 2022 , Publish Ahead of Print,	0
531	Driver Vigilance Detection from EEG Signals using Transformer Networks. 2022 ,	0
530	Bursts over Frontal Cortex Track the Surprise of Unexpected Events in Auditory, Visual, and Tactile Modalities. 1-24	0
529	Claw-shaped flexible and low-impedance conductive polymer electrodes for EEG recordings: Anemone dry electrode. 2023 , 66, 255-266	0
528	In Vivo Chronic Brain Cortex Signal Recording Based on a Soft Conductive Hydrogel Biointerface.	1
527	10 Minutes Frontal 40 Hz tACS Effects on Working Memory Tested by Luck-Vogel Task. 2023 , 13, 39	0
526	Dynamic causal modelling shows a prominent role of local inhibition in alpha power modulation in higher visual cortex. 2022 , 18, e1009988	0
525	Neural Prediction of Posttraumatic Growth in Healthy Adults With and Without Probable PTSD. 1-19	0
524	Predicting the Onset of Freezing of Gait Using EEG Dynamics. 2023 , 13, 302	0
523	Comparing online cognitive load on mobile versus PC-based devices.	0
522	Supplementation With Iron Syrup or Iron-Containing Multiple Micronutrient Powders Alters Resting Brain Activity in Bangladeshi Children. 2022 ,	0
521	A Framework to Evaluate Independent Component Analysis applied to EEG signal: testing on the Picard algorithm. 2022 ,	0
520	Blunted reward responsiveness prospectively predicts emotional distress when exposed to a naturalistic stressor.	0
519	Towards thoughtful planning of ERP studies: How participants, trials, and effect magnitude interact to influence statistical power across seven ERP components.	0
518	Electroencephalography Reflects User Satisfaction in Controlling Robot Hand through Electromyographic Signals. 2023 , 23, 277	0
517	Right inferior frontal gyrus damage is associated with impaired initiation of inhibitory control, but not its implementation. 11,	1

516	Deep Common Spatial Pattern based Motor Imagery Classification with Improved Objective Function. 73-84	3
515	The default-interventionist model underlies premise typicality weakening the premise diversity effect during category-based induction: Event-related potentials evidence.	o
514	Efficacy of novel attention-based gated recurrent units transformer for depression detection using electroencephalogram signals. 2023 , 11,	o
513	Adult Age Differences in the Temporal Dynamics of Motivated Attention. 1-18	o
512	The effects of data quantity on performance of temporal response function analyses of natural speech processing. 16,	o
511	Automated Major Depressive Disorder Classification using Deep Convolutional Neural Networks and Choquet Fuzzy Integral Fusion. 2022 ,	o
510	Functional differences in cerebral activation between slow wave-coupled and uncoupled sleep spindles. 16,	o
509	The timing versus resource problem in nonnative sentence processing: Evidence from a time-frequency analysis of anaphora resolution in successive wh-movement in native and nonnative speakers of French. 2023 , 18, e0275305	o
508	Role of line junctions in expert object recognition: The case of musical notation.	o
507	Neural signatures of visuo-motor integration during human-robot interactions. 16,	o
506	Stimulus-induced narrow-band gamma oscillations in humans can be recorded using open-hardware low-cost EEG amplifier. 2023 , 18, e0279881	o
505	A Scalable Framework for Closed-Loop Neuromodulation with Deep Learning.	o
504	Differential associations between scale-free neural dynamics and different levels of cognitive ability.	o
503	Mindfulness Training Improves Attention: Evidence from Behavioral and Event-related Potential Analyses.	o
502	Operator State in a Workplace Simulation Modulates Eye-Blink Related EEG Activity. 2023 , 31, 1167-1179	o
501	A methodology for emotional intelligence testing in elderly people with low-cost EEG and PPG devices.	o
500	Opposite Modulation of the NMDA Receptor by Glycine and S-Ketamine and the Effects on Resting State EEG Gamma Activity: New Insights into the Glutamate Hypothesis of Schizophrenia. 2023 , 24, 1913	o
499	Multimodal Sensing and Computational Intelligence for Situation Awareness Classification in Autonomous Driving. 2023 , 1-12	1

- 498 Mnemonic-trained brain tuning to a regular odd-even pattern subserves digit memory in children. ○
- 497 Pre-sleep affect predicts subsequent REM frontal theta in nonlinear fashion. ○
- 496 Reliability of Mental Workload Index Assessed by EEG with Different Electrode Configurations and Signal Pre-Processing Pipelines. **2023**, 23, 1367 ○
- 495 Effect of Cognitive Reserve on Physiological Measures of Cognitive Workload in Older Adults with Cognitive Impairments. **2023**, 1-11 ○
- 494 Confidence is predicted by pre- and post-choice decision signal dynamics. ○
- 493 Preterm birth accelerates the maturation of spontaneous and resting activity in the visual cortex. ○
- 492 Brain-Machine Interfaces for Neurorobotics. **2023**, 1817-1857 ○
- 491 Altered task induced functional brain networks and small-world properties in autism. 13, ○
- 490 Position representations of moving objects align with real-time position in the early visual response. 12, 1
- 489 Rapid withdrawal from threatening animals is movement-specific and mediated by reflex-like neural processing. ○
- 488 Multivariate EEG activity reflects the Bayesian integration and the integrated Galilean relative velocity of sensory motion during sensorimotor behavior. **2023**, 6, ○
- 487 Theta power and functional connectivity as neurophysiological markers of executive functions in individuals with cognitive complaints in daily life. **2023**, 108503 ○
- 486 Fusion of Spatial, Temporal, and Spectral EEG Signatures Improves Multilevel Cognitive Load Prediction. **2023**, 1-10 1
- 485 Schizo-Net: A novel Schizophrenia Diagnosis Framework Using Late Fusion Multimodal Deep Learning on Electroencephalogram-Based Brain Connectivity Indices. **2023**, 31, 464-473 ○
- 484 Aberrant neural correlates of multisensory processing of audiovisual social cues related to social anxiety: An electrophysiological study. 14, ○
- 483 Comparison of Two Paradigms Based on Stimulation with Images in a Spelling Brain-Computer Interface. **2023**, 23, 1304 ○
- 482 EEG Models and Analysis. **2023**, 2427-2462 ○
- 481 Exercising is good for the brain but exercising outside is potentially better. **2023**, 13, ○

- 480 Early maturation of sound duration processing in the infant brain. ○
- 479 Emotion Word Processing in Immersed Spanish-English/English-Spanish Bilinguals: An ERP Study. **2023**, 8, 42 ○
- 478 Consumer Neuroscience: A Neural Engineering Approach. **2023**, 2861-2889 ○
- 477 Cognitive State Analysis, Understanding, and Decoding from the Perspective of Brain Connectivity. **2023**, 2733-2767 ○
- 476 The predictive value of cortical activity during motor imagery for subacute spinal cord injury-induced neuropathic pain. **2023**, ○
- 475 Linear versus Nonlinear Muscle Networks: A Case Study to Decode Hidden Synergistic Patterns During Dynamic Lower-limb Tasks. ○
- 474 Children's screentime is associated with reduced brain activation during an inhibitory control task: A pilot EEG study. 2, ○
- 473 Identification of ADHD Disorder in Children Using EEG Based on Visual Attention Task by Ensemble Deep Learning. **2023**, 243-259 ○
- 472 Longitudinal study of functional brain networks for processing infant directed and adult directed speech during the first year. ○
- 471 Investigation on the Nature of Epic Dreaming: Is It Nightmare or Vivid Dream. 7, 306-310 ○
- 470 EXTENSIVE SENSORIMOTOR TRAINING PREDETERMINES CENTRAL PAIN CHANGES DURING THE DEVELOPMENT OF PROLONGED MUSCLE PAIN. **2023**, ○
- 469 Comparing encoding mechanisms in realistic virtual reality and conventional 2D laboratory settings: Event-related potentials in a repetition suppression paradigm. 14, ○
- 468 Decision-making based on an improved visual analytics approach for emotion prediction. **2023**, 1-20 ○
- 467 Microstates of Dynamic Directed Connectivity Networks Reveal Visual Color Influences on the Brain Information Processing during Learning. **2023**, 1-1 ○
- 466 Differences in interference processing and frontal brain function with climate trauma from California's deadliest wildfire. **2023**, 2, e0000125 ○
- 465 DISCOVER-EEG: an open, fully automated EEG pipeline for biomarker discovery in clinical neuroscience. ○
- 464 Pursuing personalized medicine for depression by targeting lateral or medial prefrontal cortex with deep TMS. ○
- 463 EEG cortical activity and connectivity correlates of early sympathetic response during cold pressor test. **2023**, 13, ○

- 462 Sensory Processing and Autistic Traits: Mediation Effect of Frontal Alpha Asymmetry. **2023**, 2023, 1-7 ○
- 461 The Influence Assessment of Artifact Subspace Reconstruction on the EEG Signal Characteristics. **2023**, 13, 1605 ○
- 460 Neural correlates of conscious processing of emotional faces: Evidence from event-related potentials. **2023**, 108478 ○
- 459 Associations between signs of sleep bruxism and insomnia: A polysomnographic study. ○
- 458 On the Influence of Aging on Classification Performance in the Visual EEG Oddball Paradigm Using Statistical and Temporal Features. **2023**, 13, 391 ○
- 457 Maturation of consonant perception, but not vowel perception, predicts lexical skills at 12 months. ○
- 456 Quasi-Movements and Quasi-Quasi-Movements—Does Residual Muscle Activation Matter?. **2023**, 13, 303 ○
- 455 Neural tuning instantiates prior expectations in the human visual system. ○
- 454 AutoEncoder Filter Bank Common Spatial Patterns to decode Motor Imagery from EEG. **2023**, 1-12 ○
- 453 Exploring the Effects of EEG-Based Alpha Neurofeedback on Working Memory Capacity in Healthy Participants. **2023**, 10, 200 ○
- 452 Investigating the involvement of cognitive control processes in innovative and adaptive creativity and their age-related changes. 17, ○
- 451 Brain oscillatory modes as a proxy of stroke recovery. ○
- 450 Cognitive Reorganization Due to Mental Workload: A Functional Connectivity Analysis Based on Working Memory Paradigms. **2023**, 13, 2129 ○
- 449 Brain-computer interface in an inter-individual approach using spatial coherence: Identification of better channels and tests repetition using auditory selective attention. **2023**, 83, 104573 ○
- 448 Analysis of EEG signals using deep learning to highlight effects of vibration-based therapy on brain. **2023**, 83, 104605 ○
- 447 Preoperative characterization of baseline EEG recordings for risk stratification of post-anesthesia care unit delirium. **2023**, 86, 111058 ○
- 446 Reduction in right lateralized N2 error response to stroke order violations in poor Chinese word spellers: A study on event-related potential markers for Chinese reading and spelling. **2023**, 229, 105625 ○
- 445 Electroencephalographic characteristics of children and adolescents with chronic musculoskeletal pain. **2022**, 7, e1054 1

- 444 Wearable Multimodule Bio-signal Acquisition System: Brain Multi-Plus. **2022**, ○
- 443 Weaker Quadriceps Corticomuscular Coherence in Individuals after ACL Reconstruction during Force Tracing. **2023**, 55, 625-632 ○
- 442 EEG Microstate Analysis of Transcranial Alternating Current Stimulation in Healthy People. **2022**, ○
- 441 A objective evaluation approach for EEG-based stereo visual comfort using CNN. **2022**, ○
- 440 Aging-induced alterations in EEG spectral power associated with graded force motor tasks. **2023**, 241, 905-915 ○
- 439 Assessment of electroencephalography modification by antipsychotic drugs in patients with schizophrenia spectrum disorders using frontier orbital theory: A preliminary study. ○
- 438 Cortical sources of electroencephalographic alpha rhythms related to the anticipation and experience of mirror visual feedback-induced illusion of finger movements. ○
- 437 Event-related potentials associated with attentional networks evidence changes in executive and arousal vigilance. ○
- 436 Stroop in motion: Neurodynamic modulation underlying interference control while sitting, standing, and walking. **2023**, 178, 108543 ○
- 435 Predicting behavioral and brain markers of inhibitory control at preschool age from early measures of executive attention. 14, ○
- 434 Electrophysiological indices of hierarchical speech processing differentially reflect the comprehension of speech in noise. ○
- 433 Effects on resting-state EEG phase-amplitude coupling in insomnia disorder patients following 1 Hz left dorsolateral prefrontal cortex rTMS. ○
- 432 Balance perturbation and error processing elicit distinct brain dynamics. **2023**, 20, 026026 ○
- 431 Parietal alpha underlies slower cognitive responses during interference processing in adolescents. **2023**, 443, 114356 ○
- 430 Event-related potential (ERP) evidence of early visual processing differences in cystinosis. ○
- 429 Perinatal nicotine exposure relates to stimulus-locked event-related potentials in early adolescence during an emotional go/no-go task. **2023**, 107175 ○
- 428 Dynamics of alpha suppression index both modality specific and general attention processes. **2023**, 270, 119956 ○
- 427 Reconstruction and localization of auditory sources from intracerebral SEEG using independent component analysis. **2023**, 269, 119905 ○

- 426 Age-related trends in aperiodic EEG activity and alpha oscillations during early- to middle-childhood. **2023**, 269, 119925 ○
- 425 Modality-Attention Promotes the Neural Effects of Precise Timing Prediction in Early Sensory Processing. **2023**, 13, 610 ○
- 424 Cortical representation of musical pitch in event-related potentials. ○
- 423 TMS-EEG and resting-state EEG applied to Altered States of Consciousness: Oscillations, Complexity, and Phenomenology. **2023**, 106589 ○
- 422 Age related changes and sex related differences of functional brain networks in childhood: A high-density EEG study. **2023**, ○
- 421 Driver Classification Using Self-reported, Psychophysiological, and Performance Metrics Within a Simulated Environment. **2023**, 5, ○
- 420 A systematic exploration of attentional load effects on the C1 ERP component. ○
- 419 Response inhibition and error-monitoring in cystinosis (CTNS gene mutations): Behavioral and electrophysiological evidence of a diverse set of difficulties. ○
- 418 Using the SSVEP to measure the SNARC-spatial attention effects in a parity judgment task. ○
- 417 Epileptic prediction using spatiotemporal information combined with optimal features strategy on EEG. 17, ○
- 416 Association between the loudness dependence of auditory evoked potential, serotonergic neurotransmission and treatment outcome in patients with depression. **2023**, 70, 32-44 ○
- 415 Neural dynamics underlying the processing of implicit form-meaning connections: The dissociative roles of theta and alpha oscillations. **2023**, 186, 10-23 ○
- 414 Targeted rhythmic visual stimulation at individual participants' intrinsic alpha frequency causes selective increase of occipitoparietal BOLD-fMRI and EEG functional connectivity. **2023**, 270, 119981 ○
- 413 Attentional modulation of auditory cortical activity in individuals with single-sided deafness. **2023**, 183, 108515 ○
- 412 Brain activation and single-limb balance following anterior cruciate ligament reconstruction. **2023**, 149, 88-99 ○
- 411 How low can you go? Measuring human event-related brain potentials from a two-channel EEG system. **2023**, 187, 20-26 ○
- 410 It's time to RELAX and smell the roses!. **2023**, 149, 176-177 ○
- 409 Weight status impacts children's incidental statistical learning. **2023**, 187, 34-42 ○

- 408 Changes in behavioral priority influence the accessibility of working memory content. **2023**, 272, 120055 ○
- 407 A gated temporal-separable attention network for EEG-based depression recognition. **2023**, 157, 106782 ○
- 406 Auditory evoked response to an oddball paradigm in children wearing cochlear implants. **2023**, 149, 133-145 ○
- 405 Aberrant modulation of broadband neural oscillations reflects vocal sensorimotor deficits in post-stroke aphasia. **2023**, 149, 100-112 ○
- 404 Parallel word reading revealed by fixation-related brain potentials. **2023**, 162, 1-11 ○
- 403 Cognitive Function Deterioration After Cardiopulmonary Bypass: Can Intraoperative Optimal Cerebral Regional Tissue Oxygen Saturation Predict Postoperative Cognitive Function?. **2023**, 37, 715-723 ○
- 402 Transcranial focused ultrasound modulates the emergence of learned helplessness via midline theta modification. **2023**, 329, 273-284 ○
- 401 RELAX part 2: A fully automated EEG data cleaning algorithm that is applicable to Event-Related-Potentials. **2023**, 149, 202-222 ○
- 400 Changes in emotion-related EEG components and brain lateralization response to negative emotions in adolescents with nonsuicidal self-injury: An ERP study. **2023**, 445, 114324 ○
- 399 Altered electroencephalography resting state network coherence in remitted MDD. **2023**, 1806, 148282 ○
- 398 Top-down specific preparatory activations for selective attention and perceptual expectations. **2023**, 271, 119960 ○
- 397 Cross-modal interactions at the audiovisual cocktail-party revealed by behavior, ERPs, and neural oscillations. **2023**, 271, 120022 ○
- 396 EEG-LLAMAS: A low-latency neurofeedback platform for artifact reduction in EEG-fMRI. **2023**, 273, 120092 ○
- 395 A resting state EEG study on depressed persons with suicidal ideation. **2023**, 14, 346-352 ○
- 394 Breathe&squeeze: pharmacodynamics of a stimulus-free behavioural paradigm to track conscious states during sedation?. **2023**, 130, 557-566 ○
- 393 Neural processing of goal and non-goal-directed movements on the smartphone. **2023**, 3, 100164 ○
- 392 Multi-domain feature analysis method of MI-EEG signal based on Sparse Regularity Tensor-Train decomposition. **2023**, 158, 106887 ○
- 391 Reductions in regional theta power and fronto-parietal theta-gamma phase-amplitude coupling during gaze processing in bipolar disorder. **2023**, 331, 111629 ○

- 390 Neurophysiological markers of depression detection and severity prediction in first-episode major depressive disorder. **2023**, 331, 8-16 o
- 389 Effects of cognitive demand during acute exercise on inhibitory control and its electrophysiological indices: A randomized crossover study. **2023**, 265, 114148 o
- 388 Hemispheric asymmetry in the processing of an emotional working memory task. **2023**, 188, 55-61 o
- 387 Paradoxical improvement of cognitive control in older adults under dual-task walking conditions is associated with more flexible reallocation of neural resources: A Mobile Brain-Body Imaging (MoBI) study. **2023**, 273, 120098 o
- 386 Effective networks mediate right hemispheric dominance of human 40 Hz auditory steady-state response.. **2023**, 184, 108559 o
- 385 Testosterone administration enhances the expectation and perception of painful and non-painful somatosensory stimuli. **2023**, 152, 106081 o
- 384 Electrocortical effects of detachment and reinterpretation on the regulation of negative emotion. **2023**, 188, 62-71 o
- 383 The therapeutic look up: Stress reduction and attention restoration vary according to the sky-leaf-trunk (SLT) ratio in canopy landscapes. **2023**, 234, 104730 o
- 382 Sevoflurane-induced high-frequency oscillations, effective connectivity and intraoperative classification of epileptic brain areas. **2023**, 150, 17-30 o
- 381 Generalized additive mixed modeling of EEG supports dual-route accounts of morphosyntax in suggesting no word frequency effects on processing of regular grammatical forms. **2023**, 67, 101137 o
- 380 Selective spatial attention in lateralized multi-talker speech perception: EEG correlates and the role of age. **2023**, 126, 1-13 o
- 379 Inter-individual variability in morphological processing: An ERP study on German plurals. **2023**, 67, 101138 o
- 378 A logistic binary Jaya optimization-based channel selection scheme for motor-imagery classification in brain-computer interface. **2023**, 223, 119921 o
- 377 A Stable EEG Epilepsy Network Spans From Infralow to Ripple and From Interictal to Ictus. **2022**, Publish Ahead of Print, o
- 376 Dynamic brain responses to Russian word acquisition among Chinese adult learners: An event-related potential study. o
- 375 The use of electroencephalogram to characterize subjective evaluation with illuminance as the independent variable. 1420326X2311665 o
- 374 Enhancing motor imagery detection efficacy using multisensory virtual reality priming. 4, o
- 373 Effect of correlated color temperature and illuminance on sustained attention collected via electroencephalography signals. o

- 372 Modeling EEG Resting-State Brain Dynamics: A proof of concept for clinical studies. ○
- 371 Context and domain matter: the error-related negativity in peer presence predicts fear of negative evaluation, not global social anxiety, in adolescents. 1-11 ○
- 370 Two modes of midfrontal theta suggest a role in conflict and error processing. **2023**, 273, 120107 ○
- 369 Automatic quality control of the numerical accuracy of EEG lead fields. **2023**, 273, 120091 ○
- 368 Neural Bases of Predictions During Natural Reading of Known Statements: An Electroencephalography and Eye Movements Co-registration Study. **2023**, 519, 131-146 ○
- 367 Functional neural architecture of cognitive control mediates the relationship between individual differences in bilingual experience and behaviour. **2023**, 273, 120085 ○
- 366 The cognitive control mechanism of improving emotion regulation: A high-definition tDCS and ERP study. **2023**, 332, 19-28 ○
- 365 Effect of Local Network Characteristics on the Performance of the SSVEP Brain-Computer Interface. **2023**, 44, 100781 ○
- 364 Neural phoneme discrimination in variable speech in newborns [Associations with dyslexia risk and later language skills. **2023**, 168, 105974 ○
- 363 When a look is enough: Neurophysiological correlates of referential speaker gaze in situated comprehension. **2023**, 236, 105449 ○
- 362 Effects of speed, complexity and stereoscopic VR cues on cybersickness examined via EEG and self-reported measures. **2023**, 78, 102415 ○
- 361 Heartfulness meditation alters electroencephalogram oscillations: An electroencephalogram study. **2022**, 15, 205 ○
- 360 Estimating neural activity from visual areas using functionally defined EEG templates. **2023**, 44, 1846-1861 ○
- 359 Resting-state brain signal complexity discriminates young healthy APOE e4 carriers from non-e4 carriers. **2023**, 57, 854-866 ○
- 358 Multivariate decoding methods reveal how speaking two dialects affects executive functions. **2023**, 57, 840-853 ○
- 357 Do we really measure what we think we are measuring?. **2023**, 26, 106017 ○
- 356 Intrinsic neural timescales mediate the cognitive bias of self [Temporal integration as key mechanism. **2023**, 268, 119896 ○
- 355 Cortical encoding of rhythmic kinematic structures in biological motion. **2023**, 268, 119893 ○

- 354 Human MECP2 transgenic rats show increased anxiety, severe social deficits, and abnormal prefrontal neural oscillation stability. **2023**, 648, 28-35 o
- 353 Gamma-band oscillations of pain and nociception: A systematic review and meta-analysis of human and rodent studies. **2023**, 146, 105062 o
- 352 Investigation of neurobiological responses to theta burst stimulation during recovery from mild traumatic brain injury (mTBI). **2023**, 442, 114308 o
- 351 Detector de Neuropatologías en EEG usando Estadísticas de Orden Superior y Aprendizaje Profundo. **2023**, 28, 141-151 o
- 350 Applying Neural Networks with Time-Frequency Features for the Detection of Mental Fatigue. **2023**, 13, 1512 o
- 349 Microstate analyses as an indicator of anesthesia-induced unconsciousness. **2023**, 147, 81-87 o
- 348 Prioritizing flexible working memory representations through retrospective attentional strengthening. **2023**, 269, 119902 o
- 347 Trigeminal stimulation is required for neural representations of bimodal odor localization: A time-resolved multivariate EEG and fNIRS study. **2023**, 269, 119903 o
- 346 Healthy aging and cognitive impairment alter EEG functional connectivity in distinct frequency bands. o
- 345 Spatiotemporal dynamics of self-generated imagery reveal a reverse cortical hierarchy from cue-induced imagery. o
- 344 Gaze-based attention refocusing training in virtual reality for adult attention-deficit/hyperactivity disorder. **2023**, 23, o
- 343 A Study of Event-Related Potentials During Monaural and Bilateral Hearing in Single-Sided Deaf Cochlear Implant Users. Publish Ahead of Print, o
- 342 Single trial variability in neural activity during a working memory task reveals multiple distinct information processing sequences. **2023**, 269, 119895 o
- 341 The effect of repetitive transcranial magnetic stimulation on electroencephalography microstates of patients with heroin-addiction. **2023**, 329, 111594 o
- 340 Time-frequency neural dynamics of ADHD children and adolescents during a Working Memory task. **2023**, 798, 137100 o
- 339 Aging effects on electrical and hemodynamic responses in the sensorimotor network during unilateral proximal upper limb functional tasks. **2023**, 443, 114322 o
- 338 Shared and task-specific phase coding characteristics of gamma- and theta-bands in speech perception and covert speech. **2023**, 147, 63-73 o
- 337 Neural Mechanisms of the Acceptable Noise Level. **2023**, 66, 765-774 o

- 336 Evaluating Human-in-the-Loop Assistive Feeding Robots Under Different Levels of Autonomy with VR Simulation and Physiological Sensors. **2022**, 314-327 ○
- 335 Overactivated contextual visual perception and response to a single dose of methylphenidate in children with ADHD. ○
- 334 Effects of thermal-olfactory interactions on emotional changes in urban outdoor environments. **2023**, 232, 110049 ○
- 333 Frontal-to-visual information flow explains predictive motion tracking. **2023**, 269, 119914 ○
- 332 How Intermittent Brain States Modulate Neurophysiological Processes in Cognitive Flexibility. **2023**, 35, 749-764 ○
- 331 Clustering of antipsychotic-naïve patients with schizophrenia based on functional connectivity from resting-state electroencephalography. ○
- 330 Extracting the Invisible: Mesial Temporal Source Detection in Simultaneous EEG and SEEG Recordings. **2023**, 36, 192-209 ○
- 329 Changes in pupil dilation and P300 amplitude indicate the possible involvement of the locus coeruleus-norepinephrine (LC-NE) system in psychological flow. **2023**, 13, ○
- 328 Investigating the attentional focus to workplace-related soundscapes in a complex audio-visual-motor task using EEG. 3, ○
- 327 Neural effects of TMS trains on the human prefrontal cortex. ○
- 326 Inhibition of Motor Planning and Response Selection after Anterior Cruciate Ligament Reconstruction. **2023**, 55, 440-449 1
- 325 How the dominant reading direction changes parafoveal processing: A combined EEG/eye-tracking study. ○
- 324 Pre-Stimulus Power but Not Phase Predicts Prefrontal Cortical Excitability in TMS-EEG. **2023**, 13, 220 ○
- 323 Neuropsychiatric feature-based subgrouping reveals neural sensory processing spectrum in female FMR1 premutation carriers: A pilot study. 17, ○
- 322 Time Courses of Attended and Ignored Object Representations. **2023**, 35, 645-658 ○
- 321 Combined therapy of bilateral transcranial direct current stimulation and ocular occlusion improves visual function in adults with amblyopia, a randomized pilot study. 17, ○
- 320 EEG Microstate Analysis in Patients with Disorders of Consciousness and Its Clinical Significance. ○
- 319 The effect of prestimulus low-frequency neural oscillations on the temporal perception of audiovisual speech. 17, ○

- 318 Theta and alpha EEG oscillations reflect sleep need except during the wake maintenance zone. o
- 317 Effective networks mediate right hemispheric dominance of human 40 Hz auditory steady-state response. o
- 316 Smartphone-based ear-EEG to study sound processing in everyday life. o
- 315 Assembling global and local spatial-temporal filters to extract discriminant information of EEG in RSVP task. **2023**, 20, 016052 o
- 314 Coherence-based interhemispheric EEG functional connectivity changes in distinct frequency bands during eyes open meditation. o
- 313 Face-specific negative bias of aesthetic perception in depression: Behavioral and EEG evidence. 14, o
- 312 Evolving changes in cortical and subcortical excitability during movement preparation: A study of brain potentials and eye-blink reflexes during loud acoustic stimulation. o
- 311 Impaired proactive control in individuals with methamphetamine use disorder: Evidence from ERPs. **2023**, 160, 47-55 o
- 310 The representational dynamics of the animal appearance bias in human visual cortex are indicative of fast feedforward processing. o
- 309 Emergent Low-Frequency Activity in Cortico-Cerebellar Networks with Motor Skill Learning. **2023**, 10, ENEURO.0011-23.2023 o
- 308 Variations in ERP data quality across paradigms, participants, and scoring procedures. o
- 307 On the accuracy of code complexity metrics: A neuroscience-based guideline for improvement. 16, o
- 306 Diminished Auditory Cortex Dynamic Range and its Clinical Correlates in First Episode Psychosis. o
- 305 EEG-based detection of modality-specific visual and auditory sensory processing. **2023**, 20, 016049 o
- 304 Development is in the details: Event-related theta oscillations reveal children and adults verify multiplication facts differently. o
- 303 Autism spectrum disorder prediction using bidirectional stacked gated recurrent unit with time-distributor wrapper: an EEG study. **2023**, 35, 9803-9818 o
- 302 Attentional capture by fearful faces requires consciousness and is modulated by task-relevancy: a dot-probe EEG study. o
- 301 Maintenance and transformation of representational formats during working memory prioritization. o

- 300 Multiphasic value biases in fast-paced decisions. 12, ○
- 299 Research on the Preferred Illuminance in Office Environments Based on EEG. **2023**, 13, 467 ○
- 298 Visual-spatial processing impairment in the occipital-frontal connectivity network at early stages of Alzheimer's disease. 15, ○
- 297 Repetitive execution of a reach-and-lift task causes longitudinal attenuation in movement-related EEG features. ○
- 296 In-group Social Conformity Updates the Neural Representation of Facial Attractiveness. ○
- 295 Predictability and decomposability separately contribute to compositional processing of idiomatic language. ○
- 294 Power and distribution of evoked gamma oscillations in brain aging and cognitive performance. ○
- 293 An Experimental Study: ICA-Based Sensorimotor Rhythms Detection in ALS Patients for BCI Applications. **2022**, 145-155 ○
- 292 Functional connectivity and gray matter deficits within the auditory attention circuit in first-episode psychosis. 14, ○
- 291 Using machine learning methods and EEG to discriminate aircraft pilot cognitive workload during flight. **2023**, 13, ○
- 290 Decoding the content of working memory in school-aged children. ○
- 289 Alpha oscillatory activity is causally linked to working memory retention. **2023**, 21, e3001999 ○
- 288 Links between social avoidance and frontal alpha asymmetry during processing emotional facial stimuli: An exploratory study. **2023**, 178, 108516 ○
- 287 Temporal Dynamics of Normalization Reweighting. ○
- 286 Experienced Meditators Show Multifaceted Attention-Related Differences in Neural Activity. ○
- 285 Driver Attention Assessment Using Physiological Measures from EEG, ECG, and EDA Signals. **2023**, 23, 2039 1
- 284 Event-related potential patterns of selective attention modulated by perceptual load. **2023**, 13, ○
- 283 Introducing RELAX: An automated pre-processing pipeline for cleaning EEG data - Part 1: Algorithm and application to oscillations. **2023**, 149, 178-201 ○

- 282 Hierarchical psychophysiological pathways subtend perceptual asymmetries in Neglect. **2023**, 270, 119942 ○
- 281 High-gamma activity is coupled to low-gamma oscillations in precentral cortices and modulates with movement and speech. ○
- 280 Spectral changes in electroencephalography linked to psychiatric medications: a computational pipeline for data mining and analysis (Preprint). ○
- 279 Effects of insufficient sleep on sensorimotor processing in migraine: A randomised, blinded crossover study of event related beta oscillations. **2023**, 43, 033310242211483 ○
- 278 Using spontaneous eye blink-related brain activity to investigate cognitive load during mobile map-assisted navigation. 17, ○
- 277 Effect of Heartfulness Meditation Among Long-Term, Short-Term and Non-meditators on Prefrontal Cortex Activity of Brain Using Machine Learning Classification: A Cross-Sectional Study. **2023**, ○
- 276 Readers scrutinize lexical familiarity only in the absence of expectations: Evidence from lexicality effects on event-related potentials. **2023**, 238, 105232 ○
- 275 Piriform cortex takes sides: temporally-segregated odor representations from ipsilateral and contralateral nostrils within a single sniff. ○
- 274 The reality of virtual reality. 14, ○
- 273 A thin line between conflict and reaction time effects on EEG and fMRI brain signals. ○
- 272 Recognition of unilateral lower limb movement based on EEG signals with ERP-PCA analysis. **2023**, 800, 137133 ○
- 271 Slope of the power spectral density flattens at low frequencies (<150 Hz) with healthy aging but also steepens at higher frequency (>200 Hz) in human electroencephalogram. ○
- 270 Effects of indoor exposure to low level toluene on neural network alterations during working memory encoding. **2023**, 321, 138153 ○
- 269 Uncovering the Interplay of Oscillatory Processes During Creative Problem Solving: A Dynamic Modeling Approach. 1-17 ○
- 268 Somatic disinhibition of granule cells improves information transmission and pattern separation in the dentate gyrus. ○
- 267 Social distance modulates the influence of social observation on pro-environmental behavior: An event-related potential (ERP) study. **2023**, 178, 108519 ○
- 266 Impact of neuromodulation on post-stroke aphasia: a multimodal randomized controlled study. ○
- 265 Assessment of Different Feature Extraction Methods for Discriminating Expressed Emotions during Music Performance towards BCMI Application. **2023**, 23, 2252 ○

- 264 Altered spreading of neuronal avalanches in temporal lobe epilepsy relates to cognitive performance: A resting-state hdEEG study. ○
- 263 Musical tempo affects EEG spectral dynamics during subsequent time estimation. **2023**, 178, 108517 ○
- 262 Neural responsiveness to reward and suicidal ideation in social anxiety and major depression before and after psychotherapy. **2023**, 178, 108520 ○
- 261 Reduced positive affect alters reward learning via reduced information encoding in the Reward Positivity. ○
- 260 Characteristics of the Contingent Negative Variation during Lower Limb Functional Movement with an Audio-Visual Cue. **2023**, 13, 2621 ○
- 259 Feasibility, efficacy, and functional relevance of automated auditory closed-loop suppression of slow-wave sleep in humans. ○
- 258 Mechanisms and functions of respiration-driven gamma oscillations in the primary olfactory cortex. 12, ○
- 257 A Long Short-Term Memory Network Using Resting-State Electroencephalogram to Predict Outcomes Following Moderate Traumatic Brain Injury. **2023**, 12, 45 1
- 256 ERP and Behavioural Correlates of Prospective Memory in Bilinguals during L1 and L2 Processing. **2023**, 13, 365 ○
- 255 Online Left-Hemispheric In-Phase Frontoparietal Theta tACS Modulates Theta-Band EEG Source-Based Large-Scale Functional Network Connectivity in Patients with Schizophrenia: A Randomized, Double-Blind, Sham-Controlled Clinical Trial. **2023**, 11, 630 ○
- 254 EEG and pupillometric signatures of working memory overload. ○
- 253 Classification of the Central Effects of Transcutaneous Electroacupuncture Stimulation (TEAS) at Different Frequencies: A Deep Learning Approach Using Wavelet Packet Decomposition with an Entropy Estimator. **2023**, 13, 2703 ○
- 252 Effects of childhood institutionalization on semantic processing and its neural correlates persist into adolescence and adulthood. **2023**, 161, 93-115 ○
- 251 Consonance Perception in Congenital Amusia: Behavioral and Brain Responses to Harmonicity and Beating Cues. **2023**, 35, 765-780 ○
- 250 Brain plasticity and auditory spatial adaptation in patients with unilateral hearing loss. ○
- 249 Event-related potentials show that parafoveal vision is insufficient for semantic integration. ○
- 248 Exploring the Role of Visual Guidance in Motor Imagery-Based Brain-Computer Interface: An EEG Microstate-Specific Functional Connectivity Study. **2023**, 10, 281 ○
- 247 Decomposing age effects in EEG alpha power. **2023**, 161, 116-144 ○

- 246 Selective Impairments in Fine Neural Tuning for Print in Chinese Children with Developmental Dyslexia. **2023**, 13, 379 ○
- 245 Affective Priming Effects by Task-Relevant and Task-Irrelevant Emotional Pictures: An ERP Study. ○
- 244 GABAergic regulation of auditory repetition suppression in adults with and without Autism Spectrum Disorder. ○
- 243 Preserved electrophysiological markers of confidence in schizophrenia spectrum disorder. **2023**, 9, ○
- 242 Behavioral and ERP evidence of differences in pitch feedback control in late bilinguals L1 and L2 speech production. 1-19 ○
- 241 Motor-effector dependent modulation of sensory-motor processes identified by the multivariate pattern analysis of EEG activity. **2023**, 13, ○
- 240 Congruent action context releases Mu rhythm desynchronization when visual objects activate competing action representations. **2023**, 161, 65-76 ○
- 239 Source space connectomics of neurodegeneration: One-metric approach does not fit all. **2023**, 179, 106047 1
- 238 ERP and attachment dimensions as predictors of seeking care or food comfort in stressful situations. **2023**, 13, ○
- 237 The Effect of Social Value Orientation on Theta to Alpha Ratio in Resource Allocation Games. **2023**, 14, 146 ○
- 236 TMS combined with EEG: Recommendations and open issues for data collection and analysis. **2023**, 16, 567-593 1
- 235 Assessment of the Neurological Activation in Law Enforcement under High Threat Situations: A Fuzzy Logic Approach. **2023**, 13, 67-89 ○
- 234 Revisiting Polarity Indeterminacy of ICA-Decomposed ERPs and Scalp Topographies. **2023**, 36, 223-229 ○
- 233 Nested-spectral analysis reveals a disruption of behavioral-related dynamic functional balance in the aging brain. **2023**, 111, 9537-9553 ○
- 232 Autonomous sensory meridian response is associated with a larger heartbeat-evoked potential amplitude without differences in interoceptive awareness. ○
- 231 Architectural experience influences the processing of others' body expressions. ○
- 230 Data on a novel approach examining the role of the cerebellum in gait performance improvement in patients with Parkinson disease receiving neurologic music therapy. **2023**, 47, 109013 ○
- 229 EPViz: A flexible and lightweight visualizer to facilitate predictive modeling for multi-channel EEG. **2023**, 18, e0282268 ○

- 228 Actions do not clearly impact auditory memory. 17, ○
- 227 Sing to me, baby: Infants show neural tracking and rhythmic movements to live and dynamic maternal singing. ○
- 226 Total sleep deprivation selectively impairs motor preparation sub-stages in visual search task: Evidence from lateralized readiness potentials. 17, ○
- 225 How do different ambient temperatures and vehicle speeds affect the cognitive performance of male drivers? Evidence from ERP. **2023**, 24, 271-278 ○
- 224 Sensory modality defines the relation between EEG Lempel-Ziv diversity and meaningfulness of a stimulus. **2023**, 13, ○
- 223 Deep Learning Assisted Biofeedback. **2023**, 289-313 ○
- 222 Individual differences in beta-band oscillations predict motor-inhibitory control. 17, ○
- 221 Convolutional Neural Network Classification of Topographic Electroencephalographic Maps on Alcoholism. ○
- 220 Making movies of children's cortical electrical potentials: A practical procedure for dynamic source localization analysis with validating simulation. **2023**, 4, 100064 ○
- 219 Evaluation of Brain Cortical Connectivity in Drug Abusers Using EEG Data. **2022**, ○
- 218 Heartbeat evoked potential assessment in moderate and severe obstructive sleep apnea patients. **2022**, ○
- 217 The auditory P2 differentiates self- from partner-produced sounds during joint action: Contributions of self-specific attenuation and temporal orienting of attention. **2023**, 182, 108526 ○
- 216 BCI-based Consumers' Preference Prediction using Single Channel Commercial EEG Device. **2022**, ○
- 215 Deep neural networks for the detection of temporal-lobe epileptiform discharges from scalp electroencephalograms. **2023**, 84, 104698 ○
- 214 Directional Alpha Frontoparietal Connectivity and Anxiety in Autistic Boys. ○
- 213 Midfrontal Theta and Cognitive Control During Interlimb Coordination Across the Adult Lifespan. **2023**, 55, 278-288 ○
- 212 Effect of temporal frequency on habituation in migraine. **2023**, 57, 1383-1405 ○
- 211 Impulse perturbation reveals cross-modal access to sensory working memory through learned associations. ○

210	Recurrent connectivity supports higher-level visual and semantic object representations in the brain.	o
209	Stabilizing expectations when shifting from analytical to intuitive reasoning: The role of prediction errors in reasoning. 2023 , 161, 145-153	o
208	A global pause generates nonselective response inhibition during selective stopping.	o
207	Distinct roles of forward and backward alpha-band waves in spatial visual attention. 12,	o
206	Extraction of Individual EEG Gamma Frequencies from the Responses to Click-Based Chirp-Modulated Sounds. 2023 , 23, 2826	o
205	EEG-Based BCIs on Motor Imagery Paradigm Using Wearable Technologies: A Systematic Review. 2023 , 23, 2798	o
204	Multiple Dipole Source Position and Orientation Estimation Using Non-Invasive EEG-like Signals. 2023 , 23, 2855	o
203	Event-related potential and behavioural evidence of goal-based expectations for consistent actions among group members.	o
202	Event-Related Potential (ERP) evidence for fluency and disfluency effects on recognition memory. 2023 , 167, 105961	o
201	Decreased Functional Connectivity of Brain Networks in the Alpha Band after Sleep Deprivation Is Associated with Decreased Inhibitory Control in Young Male Adults. 2023 , 20, 4663	o
200	Hybrid Genetic Algorithm for Clustering IC Topographies of EEGs.	o
199	Cortical oscillations and interareal synchronization as a preparatory activity for postural response.	o
198	Task-independent auditory probes reveal changes in mental workload during simulated quadrotor UAV training. 2023 , 11,	o
197	Time-Varying Functional Connectivity of Rat Brain during Bipedal Walking on Unexpected Terrain. 2023 , 4,	o
196	State-dependent effectiveness of cathodal transcranial direct current stimulation on cortical excitability.	1
195	Transformed common spatial pattern for motor imagery-based brain-computer interfaces. 17,	o
194	The patent foramen ovale may alter migraine brain activity: A pilot study of electroencephalography spectrum and functional connectivity analysis. 16,	o
193	High-definition transcranial direct current stimulation over right dorsolateral prefrontal cortex differentially modulates inhibitory mechanisms for speech vs. limb movement.	o

- 192 Suppression of distracting inputs by visual-spatial cues is driven by anticipatory alpha activity. **2023**, 21, e3002014 ○
- 191 Scarcity mindset reduces empathic responses to others' pain: the behavioral and neural evidence. **2023**, 18, ○
- 190 Severely Attenuated Visual Feedback Processing in Children on the Autism Spectrum. **2023**, 43, 2424-2438 ○
- 189 Evaluating Effects of Resting-State Electroencephalography Data Pre-Processing on a Machine Learning Task for Parkinson's Disease. ○
- 188 Revisiting Neurological Aspects of 'Relevance: An EEG Study. **2023**, 549-563 ○
- 187 Tracking the effects of propofol, sevoflurane and (S)-ketamine anesthesia using an unscented Kalman filter-based neural mass model. **2023**, 20, 026023 ○
- 186 EEG: Current relevance and promising quantitative analyses. **2023**, 179, 352-360 ○
- 185 Enhanced neural mechanisms of set shifting in musically trained adolescents and young adults: converging fMRI, EEG, and behavioral evidence. ○
- 184 Stimulus-evoked and resting-state alpha oscillations show a linked dependence on patterned visual experience for development. ○
- 183 Short-term transcutaneous vagus nerve stimulation increases pupil size but does not affect EEG alpha power: a replication. ○
- 182 Boosting sleep slow waves suppresses dreaming. ○
- 181 Oscillatory and non-oscillatory brain activity reflects fear expression in an immediate and delayed fear extinction task. ○
- 180 Differential Effects of Transcranial Static Magnetic Stimulation Over Left and Right Dorsolateral Prefrontal Cortex on Brain Oscillatory Responses During a Working Memory Task. **2023**, 517, 50-60 ○
- 179 Higher amplitudes in steady-state visual evoked potentials driven by square-wave versus sine-wave contrast modulation: A dual-laboratory study. ○
- 178 Exploring Neural Mechanisms of Reward Processing Using Coupled Matrix Tensor Factorization: A Simultaneous EEG-fMRI Investigation. **2023**, 13, 485 ○
- 177 Age-related brain mechanisms underlying short-term recognition of musical sequences: An EEG study. ○
- 176 Stimulus-evoked and resting-state alpha oscillations show a linked dependence on patterned visual experience for development. **2023**, 38, 103375 ○
- 175 Rhythm in the Premature Neonate Brain: Very Early Processing of Auditory Beat and Meter. **2023**, 43, 2794-2802 ○

- 174 Different oscillatory rhythms anticipate failures in executive and arousal vigilance. 2, o
- 173 Neural oscillatory characteristics of feedback-associated activity in globus pallidus interna. **2023**, 13, o
- 172 Neurocognitive mechanisms underlying attention bias towards pain: evidence from a drift-diffusion model and event-related potentials. **2023**, o
- 171 Development of associations between elementary school students' mindsets and attentional neural processing of feedback in an arithmetic task. 14, o
- 170 Distinct cortico-muscular coupling between step and stance leg during reactive stepping responses. 14, o
- 169 Perceptual learning of random acoustic patterns: Impact of temporal regularity and attention. o
- 168 Face processing in young adults with autism and ADHD: An event related potentials study. 14, o
- 167 Automated major depressive disorder diagnosis using a dual-input deep learning model and image generation from EEG signals. 1-16 o
- 166 Sleep disruption by memory cues selectively weakens reactivated memories. **2023**, 30, 63-69 o
- 165 Band desynchronization in the contralateral central and central-parietal areas predicts proprioceptive acuity. 17, o
- 164 Neuroplasticity changes in knee osteoarthritis (KOA) indexed by event-related desynchronization/synchronization during a motor inhibition task. 1-10 o
- 163 Remembering what is relevant: how is goal-directed memory reactivation supported by attention and working memory?. o
- 162 The spectral profile of cortical activation during a visuospatial mental rotation task and its correlation with working memory. 17, o
- 161 A developmental shift in habituation to pain in human neonates. **2023**, o
- 160 The effect of noise on the cortical activity patterns of speech processing in adults with single-sided deafness. 14, o
- 159 What naturalistic stimuli tell us about pronoun resolution in real-time processing. 6, o
- 158 Aperiodic neural activity reflects metacontrol. o
- 157 Case report: Multiple disconnection patterns revealed by a multi-modal analysis explained behavior after a focal frontal damage. 14, o

- 156 From Raw EEG Signals to Brain Networks: An EEGLAB Tutorial. **2023**, 1-16 ○
- 155 Neural Dynamic Underlying Coordination Process between Habitual and Goal-Directed Behavior. ○
- 154 The instant effect of embodiment via mirror visual feedback on electroencephalogram-based brain connectivity changes: A pilot study. 17, ○
- 153 The potential of the Lempel-Ziv Complexity of the EEG in diagnosing cognitive impairment in patients with temporal lobe epilepsy. ○
- 152 Correlating electroconvulsive therapy response to electroencephalographic markers: Study protocol. 13, ○
- 151 Integration/Segregation dynamics in functional networks of individuals diagnosed with schizophrenia. ○
- 150 Child and adolescent development of the brain oscillatory activity during a working memory task. **2023**, 167, 105969 ○
- 149 Older and Wiser? Age-related Change in State and Trait Boredom During Adolescence and Associations with Neural Correlates of Self-regulation. ○
- 148 Mobile Electroencephalography Reveals Differences in Cortical Processing During Exercises With Lower and Higher Cognitive Demands in Preadolescent Children. **2023**, 1-11 ○
- 147 Classification of Parkinson's disease with dementia using phase locking factor of event-related oscillations to visual and auditory stimuli. **2023**, 20, 026025 ○
- 146 Decreased Resting-State Alpha Self-Synchronization in Depressive Disorder. 155005942311639 ○
- 145 Multimodal acoustic-electric trigeminal nerve stimulation modulates conscious perception. ○
- 144 Hemispheric decoupling of awareness-related activity in human auditory cortex under informational masking and divided attention. ○
- 143 Frame-shifting instead of incongruity is necessary for pun comprehension: evidence from an ERP study on Chinese homophone puns. 1-14 ○
- 142 Saliency affects attentional capture and suppression of abrupt-onset and color singleton distractors: Evidence from event-related potential studies. ○
- 141 When interlocutor's face-language matching alters: An ERP study on face contexts and bilingual language control in mixed-language picture naming. 14, ○
- 140 Attentional capture by fearful faces requires consciousness and is modulated by task-relevancy: A dot-probe EEG study. 17, ○
- 139 Human cortical, muscular, and kinematic gait adaptation with novel use of an ankle exoskeleton. ○

- 138 Gamification of an n-back working memory task ¶ Is it worth the effort? An EEG and eye-tracking study. **2023**, 179, 108545 ○
- 137 Natural Oscillatory Frequency Slowing in the Premotor Cortex of Early-Course Schizophrenia Patients: A TMS-EEG Study. **2023**, 13, 534 ○
- 136 Independent spatiotemporal effects of spatial attention and background clutter on human object location representations. **2023**, 272, 120053 ○
- 135 Differences in Implicit Attitudes in West and East Germans as Measured by the Go/NoGo Association Task and Event-related EEG Potentials. Publish Ahead of Print, ○
- 134 EEG assessment of brain dysfunction for patients with chronic primary pain and depression under auditory oddball task. 17, ○
- 133 Hearing what is being said: The distributed neural substrate for early speech interpretation. ○
- 132 Resting State Dynamics in People with Varying Degrees of Anxiety and Mindfulness: A Nonlinear and Nonstationary Perspective. **2023**, 519, 177-197 ○
- 131 Relationship between function and structure in the visual cortex in healthy individuals and in patients with severe mental disorders. **2023**, 332, 111633 ○
- 130 Contralateral delay activity, but not alpha lateralization, indexes prioritization of information for working memory storage. **2023**, 85, 718-733 ○
- 129 Perception of self-generated and externally-generated visual stimuli: Evidence from EEG and behavior. ○
- 128 Electroencephalography Based Microstate Functional Connectivity Analysis in Emotional Cognitive Reappraisal Combined with Happy Music. **2023**, 13, 554 ○
- 127 How robustly do multivariate EEG patterns track individual-subject lexico-semantic processing of visual stimuli?. 1-15 ○
- 126 Potentiated processing of reward related decision making in depression is attenuated by suicidal ideation. **2023**, 332, 111635 ○
- 125 Strategic Processing of Gender Stereotypes in Sentence Comprehension: An ERP Study. **2023**, 13, 560 ○
- 124 An EEG-based method to decode cognitive factors in creative processes. **2023**, 37, ○
- 123 The causal mechanisms underlying analogical reasoning performance improvement by executive attention intervention. ○
- 122 A neurophysiological perspective on the integration between incidental learning and cognitive control. **2023**, 6, ○
- 121 The Effect of Wireless Communication Interference on Wireless BCI. **2023**, ○

- 120 Changes in Power and Information Flow in Resting-state EEG by Working Memory Process. **2023**, ○
- 119 Electrophysiological and behavioral evidence for the attention capture and suppression failure of irrelevant singleton in test anxiety. **2023**, 161, 386-392 ○
- 118 Speech Synthesis from Brain Signals Based on Generative Model. **2023**, ○
- 117 Vigilance decrement and mind-wandering in sustained attention tasks: Two sides of the same coin?. 17, ○
- 116 Real-life relevant face perception is not captured by the N170 but reflected in later potentials: A comparison of 2D and virtual reality stimuli. 14, ○
- 115 Correlation between Neurophysiological Measures of Consciousness and BCI Performance in a Locked-in Patient. **2023**, ○
- 114 Targeting slow wave sleep deficiency in late-life depression: a case series with propofol. **2023**, ○
- 113 Subject-Independent Classification of Brain Signals using Skip Connections. **2023**, ○
- 112 Eye-movements disrupt EEG alpha-band coding of behaviorally relevant and irrelevant spatial locations held in working memory. ○
- 111 Brain-wide network analysis of resting-state neuromagnetic data. ○
- 110 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. 17, ○
- 109 Window-based Time-Frequency Methods for Analyzing Epileptic EEG Signals. **2022**, ○
- 108 Investigating the impact of visual perspective in a motor imagery-based brain-robot interaction: A pilot study with healthy participants. 4, ○
- 107 Neural correlates of performance monitoring vary as a function of competition between automatic and controlled processes: An ERP study. **2023**, 110, 103505 ○
- 106 Multimodal Emotion Recognition From EEG Signals and Facial Expressions. **2023**, 11, 33061-33068 ○
- 105 Event-Related Potentials Reveal the Impact of Conflict Strength in a Numerical Stroop Paradigm. **2023**, 13, 586 ○
- 104 A comprehensive review of impact assessment of indoor thermal environment on work and cognitive performance - Combined physiological measurements and machine learning. **2023**, 71, 106417 ○
- 103 Atypical beta-band effects in children with dyslexia in response to rhythmic audio-visual speech. ○

- 102 EEG decoding of finger numeral configurations with machine learning. **2023**, 9, 206-221 o
- 101 Seizure dynamotype classification using non-invasive recordings. o
- 100 ICA bug: How ghost ICs emerge from effective rank deficiency caused by EEG electrode interpolation and incorrect re-referencing. 3, o
- 99 The Effect of Evaluating Self Emotions on Frontal Alpha Asymmetry. o
- 98 The neural dynamics of familiarity-dependent face identity representation. o
- 97 Studying memory processes at different levels with simultaneous depth and surface EEG recordings. 17, o
- 96 Emotion Recognition from EEG with Normalized Mutual Information and Convolutional Neural Network. **2022**, o
- 95 A Study of Event-Related Potentials during Monaural and Bilateral Hearing in Single Sided Deaf Cochlear Implant Users. o
- 94 Electrophysiological Correlates of Proactive Control and Binding Processes during Task Switching in Tourette Syndrome. **2023**, 10, ENEURO.0279-22.2023 o
- 93 Spatiotemporal consistency of neural responses to repeatedly presented video stimuli accounts for population preferences. **2023**, 13, o
- 92 Openseize: A digital signal processing package for large EEG datasets in Python. **2023**, 8, 5126 o
- 91 Machine Learning Algorithms based Detection and Analysis of Stress - A Review. **2023**, o
- 90 A Comparative Study on Prominent Connectivity Features for Emotion Recognition From EEG. **2023**, 11, 37809-37831 o
- 89 Suppression of Alpha and Beta Oscillations in the Course of Virtual Social Interactions. **2023**, 49, 35-43 o
- 88 Aerobic exercise and action observation priming modulate functional connectivity. **2023**, 18, e0283975 o
- 87 Electrophysiological Evidence Reveals the Asymmetric Transfer from the Right to Left Hemisphere as Key to Reading Proficiency. **2023**, 13, 621 o
- 86 Network-level mechanisms underlying effects of transcranial direct current stimulation (tDCS) on visuomotor learning impairments in schizophrenia.. o
- 85 Stimulus expectations do not modulate visual event-related potentials in probabilistic cueing designs. o

- 84 Difference of Brain Electrical Activity Mappings in Sleep Stages. 39, 568-574 ○
- 83 Control of working memory maintenance by theta-gamma phase amplitude coupling of human hippocampal neurons. ○
- 82 The order of attentional focus instructions affects how postural control processes compensate for multisensory mismatch: a crossover study. ○
- 81 Insula functional connectivity at EEG resting-state as a biomarker linked to pain processing and severity of clinical symptoms in fibromyalgia. ○
- 80 Electrophysiological, emotional and behavioural responses of female targets of sexual objectification. **2023**, 13, ○
- 79 Virtual and Reality: A Neurophysiological Pilot Study of the Sarcophagus of the Spouses. **2023**, 13, 635 ○
- 78 Resting-State EEG Connectivity at High-Frequency Bands and Attentional Performance Dysfunction in Stabilized Schizophrenia Patients. **2023**, 59, 737 ○
- 77 High-Definition Transcranial Direct Current Stimulation Improves Decision-Making Ability: A Study Based on EEG. **2023**, 13, 640 ○
- 76 Parieto-Occipital Electro cortical Dynamics during Real-World Table Tennis. ENEURO.0463-22.2023 ○
- 75 Individual alpha frequency appears unrelated to the latency of early visual responses. 17, ○
- 74 Electrophysiological Evidence for Interhemispheric Connectivity and Communication in Young Human Infants. **2023**, 13, 647 ○
- 73 Evaluation of movement functional rehabilitation after stroke: A study via graph theory and corticomuscular coupling as potential biomarker. **2023**, 20, 10530-10551 ○
- 72 Towards Improving EEG-Based Intent Recognition in Visual Search Tasks. **2023**, 604-615 ○
- 71 Investigating the application of graph theory features in hand movement directions decoding using EEG signals. **2023**, ○
- 70 Neural signatures of automatic repetition detection in temporally regular and jittered acoustic sequences. ○
- 69 CNN for a Regression Machine Learning Algorithm for Predicting Cognitive Impairment Using qEEG. Volume 19, 851-863 ○
- 68 An Improved Stimulus Reconstruction Method for EEG-Based Short-Time Auditory Attention Detection. **2023**, 267-277 ○
- 67 The Age-dependent Neurovascular Coupling Characteristics in Children and Adults during General Anesthesia. ○

- 66 Motor Imagery BCI-Based Online Control Soft Glove Rehabilitation System with Vibrotactile Stimulation. **2023**, 456-466 o
- 65 Genetic bases of language control in bilinguals: Evidence from an EEG study. o
- 64 The Temporal Dynamics of Brain-to-Brain Synchrony Between Students and Teachers Predict Learning Outcomes. 095679762311638 o
- 63 Temporal Dynamics of Value Integration in Perceptual Decisions: An EEG Study. **2023**, 385-394 o
- 62 $\mathcal{M}^3\text{S text{-}}\text{CNN}$: Resting-State EEG Based Multimodal and Multiscale Feature Extraction for Student Behavior Prediction in Class. **2023**, 516-527 o
- 61 Deconstructing the functional significance of the error-related negativity (ERN) and midline frontal theta oscillations using stepwise time-locking and single-trial response dynamics. **2023**, 274, 120113 o
- 60 Gamma amplitude is coupled to opposed hippocampal theta-phase states during the encoding and retrieval of episodic memories in humans. **2023**, o
- 59 The effect of topic familiarity and volatility of auditory scene on selective auditory attention. **2023**, 108770 o
- 58 Event-related potentials in response to early termination and completed decisions in sequential decision-making. **2023**, o
- 57 Intracranial electrophysiological recordings on a swine model of mesial temporal lobe epilepsy. 14, o
- 56 The contribution of theta and delta to feedback processing in children with developmental language disorder. **2023**, 15, o
- 55 The effect of deep brain stimulation in Parkinson's disease reflected in EEG microstates. **2023**, 9, o
- 54 Nociception in chicken embryos, Part II: Embryonal development of electroencephalic neuronal activity in ovo as a prerequisite for nociception. o
- 53 Self-concept clarity and processing self-relevant information: An event-related potential study. 1-15 o
- 52 Imbalanced expression of cation-chloride cotransporters as a potential therapeutic target in an Angelman syndrome mouse model. **2023**, 13, o
- 51 Event-Induced Modulation of Aperiodic Background EEG: Attention-Dependent and Age-Related Shifts in E:I balance, and Their Consequences for Behavior. o
- 50 Machine learning-based identification of a psychotherapy-predictive electroencephalographic signature in PTSD. **2023**, 1, 284-294 o
- 49 Modulation of the heartbeat evoked cortical potential by hypnotizability and hypnosis. o

- 48 High-Density-SleepCleaner—An open-source, semi-automatic artifact removal routine tailored to high-density sleep EEG. **2023**, 109849 ○
- 47 Neural speech tracking benefit of lip movements predicts behavioral deterioration when the speaker's mouth is occluded. ○
- 46 Understanding common human driving semantics for autonomous vehicles. **2023**, 100730 ○
- 45 Neurophysiological Evidence of the Transient Beneficial Effects of a Brief Mindfulness Exercise on Cognitive Processing in Young Adults: An ERP Study. ○
- 44 Impaired Proactive Cognitive Control in Parkinson's disease. ○
- 43 A single dose of hydrocortisone does not alter interhemispheric transfer of information or transcallosal integration. 14, ○
- 42 Recovery of auditory evoked response attentional gain modulation following the first psychotic episode indexes improvements in symptom severity. ○
- 41 Spatiotemporal dynamics across visual cortical laminae support a predictive coding framework for interpreting mismatch responses. ○
- 40 The modulation of pain in reward processing is reflected by increased P300 and delta oscillation. **2023**, 168, 105972 ○
- 39 Are electrophysiological correlates of response inhibition linked to impulsivity and compulsivity? A machine-learning analysis of a Go/Nogo task. ○
- 38 AI-based Consumers' Preference Prediction Using a Research-grade BCI and a Commercial-grade BCI for Neuromarketing: A Systematic Comparison. **2023**, ○
- 37 Hippocampal 4-Hz oscillations emerge during stationary running in a wheel and are resistant to medial septum inactivation. **2023**, 18, e0284514 ○
- 36 Brain Connectivity Signature Extractions from TMS Invoked EEGs. **2023**, 23, 4078 ○
- 35 Neural complexity EEG biomarkers of rapid and post-rapid ketamine effects in late-life treatment-resistant depression: a randomized control trial. ○
- 34 Degradation of EEG microstates patterns in Subjective Cognitive Decline and Mild Cognitive Impairment: early biomarkers along the Alzheimer's Disease continuum?. **2023**, 103407 ○
- 33 P300 as a correlate of false beliefs and false statements. ○
- 32 Predicting the Evolution of Subjective Cognitive Decline to Alzheimer's Disease With machine learning: the PREVIEW study protocol. ○
- 31 Are You Human? Investigating the Perceptions and Evaluations of Virtual Versus Human Instagram Influencers. **2023**, ○

- 30 Virtual Reality and Creativity: How do Immersive Environments Stimulate the Brain during Creative Idea Generation?. **2023**, ○
- 29 Exposure to nature is associated with decreased functional connectivity within the distress network: A resting state EEG study. 14, ○
- 28 Identifying Neurophysiological Markers of Intermittent Theta-Burst Stimulation in Treatment-Resistant Depression using Transcranial Magnetic Stimulation- Electroencephalography. **2023**, ○
- 27 Familial risk for depression is associated with reduced P300 and late positive potential to affective stimuli and prolonged cardiac deceleration to unpleasant stimuli. **2023**, 13, ○
- 26 Mismatch negativity predicts initial auditory-based targeted cognitive training performance in a heterogeneous population across psychiatric disorders. **2023**, 115215 ○
- 25 Neurotypicals with higher autistic traits have delayed visual processing of an approaching life-sized avatar's gait: an event-related potentials study. 17, ○
- 24 Inter-Subject EEG Synchronization during a Cooperative Motor Task in a Shared Mixed-Reality Environment. **2023**, 2, 129-143 ○
- 23 Soccer heading immediately alters brain function and brain-muscle communication. 17, ○
- 22 A comparison of reward processing during Becker-DeGroot-Marschak and Vickrey auctions: An ERP study. ○
- 21 The changes of central auditory processing function and its electroencephalogram in patients with mild cognitive impairment and early Alzheimer's disease. **2023**, e15641 ○
- 20 40 Hz Auditory Steady State Responses in Schizophrenia: Towards a Mechanistic Biomarker for Circuit Dysfunctions and Early Detection and Diagnosis. **2023**, ○
- 19 Store layout design and consumer response: a behavioural and EEG study. 1-18 ○
- 18 Prolonged Intrinsic Neural Timescales Dissociate from Phase Coherence in Schizophrenia. **2023**, 13, 695 ○
- 17 Pathophysiological changes in incentive processing in episodic migraine. ○
- 16 Two distinct stimulus-locked EEG signatures reliably encode domain-general confidence during decision formation. ○
- 15 Origin, synchronization, and propagation of sleep slow waves in children. **2023**, 120133 ○
- 14 Correlation analysis between EEG data and facial expressions and sleep behaviors. **2023**, 2, ○
- 13 Brain network flexibility as a predictor of skilled musical performance. ○

- 12 Age-related differences in transient gamma band activity during working memory maintenance through adolescence. **2023**, 274, 120112 ○
- 11 State-Based Decoding of Continuous Hand Movements Using EEG Signals. **2023**, 11, 42764-42778 ○
- 10 Brain Lateralization for Language, Vocabulary Development and Handedness at 18 Months. **2023**, 15, 989 ○
- 9 Increased sensitivity of spatial filters by combining the magnetic and electrical components of the sensorimotor cortical beta rhythm. **2023**, 78, 3-10 ○
- 8 Analysis of Electrical Neural Data Using MUSE and EEGLAB. **2023**, 103-117 ○
- 7 The Relationship between Formal Music Training and Conflict Control: An ERP Study. **2023**, 13, 723 ○
- 6 Removing the cardiac field artifact from the EEG using neural network regression. ○
- 5 An EEG-fNIRS neurovascular coupling analysis method to investigate cognitive-motor interference. **2023**, 160, 106968 ○
- 4 Recovery of clinical, cognitive and cortical activity measures following mild traumatic brain injury (mTBI): A longitudinal investigation. **2023**, ○
- 3 Chinese Learners of English Are Conceptually Blind to Temporal Differences Conveyed by Tense. ○
- 2 STILN: A novel spatial-temporal information learning network for EEG-based emotion recognition. **2023**, 85, 104999 ○
- 1 Reliability of resting-state EEG modulation by continuous and intermittent theta burst stimulation of the primary motor cortex: A sham-controlled study. ○