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Spatiotemporal signal space separation method for rejecting nearby interference in MEG measurements

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1097	Magnetoencephalography in neurosurgery. <b>2007</b> , 61, 147-64; discussion 164-5		37
1096	Evaluation of Signal Space Separation via simulation. <b>2007</b> , 1300, 265-268		2
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1003	Impaired coupling of local and global functional feedbacks underlies abnormal synchronization and negative symptoms of schizophrenia. <b>2013</b> , 7, 30		8
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900	Functional brain networks: linking thalamic atrophy to clinical disability in multiple sclerosis, a multimodal fMRI and MEG study. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 603-18	5.9	67
899	Evaluation of somatosensory cortical processing in extremely preterm infants at term with MEG and EEG. <b>2015</b> , 126, 275-83		31
898	Towards brain-activity-controlled information retrieval: Decoding image relevance from MEG signals. <b>2015</b> , 112, 288-298		25
897	Resting-state alpha in autism spectrum disorder and alpha associations with thalamic volume. <b>2015</b> , 45, 795-804		34
896	Context affects L1 but not L2 during bilingual word recognition: an MEG study. <b>2015</b> , 142, 8-17		9
895	Duration estimation entails predicting when. <b>2015</b> , 106, 272-83		21
894	Real-time functional architecture of visual word recognition. <b>2015</b> , 27, 246-65		28
893	A magnetoencephalography study of multi-modal processing of pain anticipation in primary sensory cortices. <b>2015</b> , 304, 176-89		7
892	Impaired pre-attentive auditory processing in fibromyalgia: A mismatch negativity (MMN) study. <b>2015</b> , 126, 1310-8		10
891	Automatic BSS-based filtering of metallic interference in MEG recordings: definition and validation using simulated signals. <b>2015</b> , 12, 046001		4
890	Sex-related differences in auditory processing in adolescents with fetal alcohol spectrum disorder: A magnetoencephalographic study. <b>2015</b> , 7, 571-87		18
889	Task- and stimulus-related cortical networks in language production: Exploring similarity of MEG- and fMRI-derived functional connectivity. <b>2015</b> , 120, 75-87		21
888	Parallel processing of somatosensory information: Evidence from dynamic causal modeling of MEG data. <b>2015</b> , 118, 193-8		13
887	Early detection and late cognitive control of emotional distraction by the prefrontal cortex. <b>2015</b> , 5, 10046		12
886	Basic Principles of Magnetoencephalography. <b>2015</b> , 117-121		4
885	Cortico-muscular coherence parallels coherence of postural tremor and MEG during static muscle contraction. <b>2015</b> , 602, 22-6		11

884	Somatosensory cortex functional connectivity abnormalities in autism show opposite trends, depending on direction and spatial scale. <b>2015</b> , 138, 1394-409	86
883	Cortico-muscular coherence in advanced Parkinson's disease with deep brain stimulation. <b>2015</b> , 126, 748-55	25
882	Spatiotemporal oscillatory dynamics during the encoding and maintenance phases of a visual working memory task. <b>2015</b> , 69, 121-30	57
881	Resting state cortical oscillations of patients with Parkinson disease and with and without subthalamic deep brain stimulation: a magnetoencephalography study. <b>2015</b> , 32, 109-18	17
880	Exploratory Analysis of Power Spectrum and Functional Connectivity During Resting State in Young Binge Drinkers: A MEG Study. <b>2015</b> , 25, 1550008	20
879	Combined MEG and EEG show reliable patterns of electromagnetic brain activity during natural viewing. <b>2015</b> , 114, 49-56	31
878	Disinhibition of the primary somatosensory cortex in patients with fibromyalgia. <b>2015</b> , 156, 666-674	19
877	Can visual information encoded in cortical columns be decoded from magnetoencephalography data in humans?. <b>2015</b> , 121, 193-204	56
876	Multimodal neuroimaging computing: the workflows, methods, and platforms. <b>2015</b> , 2, 181-195	14
875	A multicenter study of the early detection of synaptic dysfunction in Mild Cognitive Impairment using Magnetoencephalography-derived functional connectivity. <b>2015</b> , 9, 103-9	55
874	Reliability for non-invasive somatosensory cortex localization: Implications for pre-surgical mapping. <b>2015</b> , 139, 224-9	13
873	Network effects of deep brain stimulation. <b>2015</b> , 114, 2105-17	46
872	Decreased somatosensory activity to non-threatening touch in combat veterans with posttraumatic stress disorder. <b>2015</b> , 233, 194-200	20
871	Children with cerebral palsy have uncharacteristic somatosensory cortical oscillations after stimulation of the hand mechanoreceptors. <b>2015</b> , 305, 67-75	20
870	Spatial variability in cortex-muscle coherence investigated with magnetoencephalography and high-density surface electromyography. <b>2015</b> , 114, 2843-53	10
869	Filling in the gaps: Anticipatory control of eye movements in chronic mild traumatic brain injury. <b>2015</b> , 8, 210-23	31
868	What graph theory actually tells us about resting state interictal MEG epileptic activity. <b>2015</b> , 8, 503-15	48
867	Somatosensory and auditory processing in opioid-exposed newborns with neonatal abstinence syndrome: a magnetoencephalographic approach. <b>2015</b> , 28, 2015-9	8

866	MEG source reconstruction based on identification of directed source interactions on whole-brain anatomical networks. <b>2015</b> , 105, 408-27		28
865	Altered development and multifaceted band-specific abnormalities of resting state networks in autism. <b>2015</b> , 77, 794-804		75
864	Male veterans with PTSD exhibit aberrant neural dynamics during working memory processing: an MEG study. <b>2016</b> , 41, 251-60		26
863	Comparing the Performance of Popular MEG/EEG Artifact Correction Methods in an Evoked-Response Study. <b>2016</b> , 2016, 7489108		21
862	Macroscopic Neural Oscillation during Skilled Reaching Movements in Humans. <b>2016</b> , 2016, 2714052		
861	Increased Low- and High-Frequency Oscillatory Activity in the Prefrontal Cortex of Fibromyalgia Patients. <b>2016</b> , 10, 111		59
860	Slowing of Hippocampal Activity Correlates with Cognitive Decline in Early Onset Alzheimer's Disease. An MEG Study with Virtual Electrodes. <b>2016</b> , 10, 238		49
859	Normal Evoked Response to Rapid Sequences of Tactile Pulses in Autism Spectrum Disorders. <b>2016</b> , 10, 433		4
858	Detecting a Cortical Fingerprint of Parkinson's Disease for Closed-Loop Neuromodulation. <b>2016</b> , 10, 110		9
857	Altered Onset Response Dynamics in Somatosensory Processing in Autism Spectrum Disorder. <b>2016</b> , 10, 255		12
856	Multimodal Classification of Schizophrenia Patients with MEG and fMRI Data Using Static and Dynamic Connectivity Measures. <b>2016</b> , 10, 466		51
855	The Processing of Somatosensory Information Shifts from an Early Parallel into a Serial Processing Mode: A Combined fMRI/MEG Study. <b>2016</b> , 10, 103		9
854	Acquisition and consolidation of novel morphology in human neocortex: A neuromagnetic study. <b>2016</b> , 83, 1-16		15
853	Quiet connections: Reduced fronto-temporal connectivity in nondemented Parkinson's Disease during working memory encoding. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 3224-35	5.9	31
852	Dual signal subspace projection (DSSP): a novel algorithm for removing large interference in biomagnetic measurements. <b>2016</b> , 13, 036007		29
851	Influence of metallic artifact filtering on MEG signals for source localization during interictal epileptiform activity. <b>2016</b> , 13, 026029		3
850	Aging modulates the oscillatory dynamics underlying successful working memory encoding and maintenance. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 2348-61	5.9	47
849	Similarity-Based Fusion of MEG and fMRI Reveals Spatio-Temporal Dynamics in Human Cortex During Visual Object Recognition. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 3563-3579	5.1	79

848	Behavioural and neurofunctional impact of transcranial direct current stimulation on somatosensory learning. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 1277-95	5.9	17
847	Searching for Primary Predictors of Conversion from Mild Cognitive Impairment to Alzheimer's Disease: A Multivariate Follow-Up Study. <b>2016</b> , 52, 133-43		37
846	SQUIDs in biomagnetism: a roadmap towards improved healthcare. <b>2016</b> , 29, 113001		44
845	Brain Mechanisms Underlying the Brief Maintenance of Seen and Unseen Sensory Information. <b>2016</b> , 92, 1122-1134		113
844	Functional and structural brain connectivity of young binge drinkers: a follow-up study. <b>2016</b> , 6, 31293		26
843	Threshold based MEG data classification for healthy and epileptic subjects. <b>2016</b> ,		
842	Formation of visual memories controlled by gamma power phase-locked to alpha oscillations. <b>2016</b> , 6, 28092		26
841	Is an absolute level of cortical beta suppression required for proper movement? Magnetoencephalographic evidence from healthy aging. <b>2016</b> , 134, 514-521		88
840	Quantifying the Test-Retest Reliability of Magnetoencephalography Resting-State Functional Connectivity. <b>2016</b> , 6, 448-60		47
839	Common neural mechanism for reaching movements. <b>2016</b> ,		
838	Brain areas with epileptic high frequency oscillations are functionally isolated in MEG virtual electrode networks. <b>2016</b> , 127, 2581-91		25
837	Translating Adult Electrophysiology Findings to Younger Patient Populations: Difficulty Measuring 40-Hz Auditory Steady-State Responses in Typically Developing Children and Children with Autism Spectrum Disorder. <b>2016</b> , 38, 1-14		20
836	Preoperative evaluation using magnetoencephalography: Experience in 382 epilepsy patients. <b>2016</b> , 124, 23-33		19
835	Second-language learning effects on automaticity of speech processing of Japanese phonetic contrasts: An MEG study. <b>2016</b> , 1652, 111-118		3
834	Attention training improves aberrant neural dynamics during working memory processing in veterans with PTSD. <b>2016</b> , 16, 1140-1149		20
833	Test-retest reliability of resting-state magnetoencephalography power in sensor and source space. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 179-90	5.9	33
832	Haptic contents of a movie dynamically engage the spectator's sensorimotor cortex. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 4061-4068	5.9	10
831	Added diagnostic value of magnetoencephalography (MEG) in patients suspected for epilepsy, where previous, extensive EEG workup was unrevealing. <b>2016</b> , 127, 3301-5		17



830	Alpha band disruption in the AD-continuum starts in the Subjective Cognitive Decline stage: a MEG study. <b>2016</b> , 6, 37685	41
829	. <b>2016</b> , 4, 4629-4634	26
828	Slow-Wave Oscillations in Awake Healthy Subjects: Methodological and Physiological Considerations. <b>2016</b> , 33, 367-72	1
827	Functional Organization of Flash-Induced V1 Offline Reactivation. <b>2016</b> , 36, 11727-11738	15
826	Comparison of deep neural networks to spatio-temporal cortical dynamics of human visual object recognition reveals hierarchical correspondence. <b>2016</b> , 6, 27755	297
825	Pain anticipatory phenomena in patients with central poststroke pain: a magnetoencephalography study. <b>2016</b> , 116, 1387-95	6
824	The network sustaining action myoclonus: a MEG-EMG study in patients with EPM1. <b>2016</b> , 16, 214	6
823	Interictal High Frequency Oscillations Detected with Simultaneous Magnetoencephalography and Electroencephalography as Biomarker of Pediatric Epilepsy. <b>2016</b> ,	30
822	What the Networks Tell us about Serial and Parallel Processing. <b>2016</b> , 11, 115-160	2
821	Rejecting deep brain stimulation artefacts from MEG data using ICA and mutual information. <b>2016</b> , 268, 131-41	17
820	Developmental Trajectory of Beta Cortical Oscillatory Activity During a Knee Motor Task. <b>2016</b> , 29, 824-833	18
819	Habituation deficit of auditory N100m in patients with fibromyalgia. <b>2016</b> , 20, 1634-1643	10
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817	Virtual MEG Helmet: Computer Simulation of an Approach to Neuromagnetic Field Sampling. <b>2016</b> , 20, 539-48	2
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813	Fully automated quality assurance and localization of volumetric MEG for single-subject mapping. <b>2016</b> , 266, 21-31	1

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811	Visual information representation and rapid-scene categorization are simultaneous across cortex: An MEG study. <b>2016</b> , 134, 295-304	14
810	Direction of information flow in large-scale resting-state networks is frequency-dependent. <b>2016</b> , 113, 3867-72	180
809	Multimodal description of whole brain connectivity: A comparison of resting state MEG, fMRI, and DWI. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 20-34	5.9 44
808	The loss of neural synchrony in the post septic brain. <b>2016</b> , 127, 2200-7	2
807	High-resolution MEG source imaging approach to accurately localize Broca's area in patients with brain tumor or epilepsy. <b>2016</b> , 127, 2308-16	22
806	Analysis of simultaneous MEG and intracranial LFP recordings during Deep Brain Stimulation: a protocol and experimental validation. <b>2016</b> , 261, 29-46	36
805	Frequency characteristics of neuromagnetic auditory steady-state responses to sinusoidally amplitude-modulated sweep tones. <b>2016</b> , 127, 790-802	1
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803	Neuromagnetic evidence that the right fusiform face area is essential for human face awareness: An intermittent binocular rivalry study. <b>2016</b> , 109, 54-62	6
802	Early event related fields during visually evoked pain anticipation. <b>2016</b> , 127, 1855-63	7
801	Temporal structure of human magnetic evoked fields. <b>2016</b> , 234, 1987-1995	6
800	Movement priming of EEG/MEG brain responses for action-words characterizes the link between language and action. <b>2016</b> , 74, 262-76	41
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796	Previous exposure to intact speech increases intelligibility of its digitally degraded counterpart as a function of stimulus complexity. <b>2016</b> , 125, 131-143	4
795	Modality-independent reduction mechanisms of primary sensory evoked fields in a one-back task. <b>2016</b> , 124, 918-922	4

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793	Reliable recording and analysis of MEG-based corticokinematic coherence in the presence of strong magnetic artifacts. <b>2016</b> , 127, 1460-1469		11
792	Slowed peak resting frequency and MEG overactivation in survivors of severe sepsis and septic shock. <b>2016</b> , 127, 1247-1253		4
791	Visualizing spikes in source-space: Rapid and efficient evaluation of magnetoencephalography. <b>2016</b> , 127, 1067-1072		7
790	Modulation of stimulus-induced 20-Hz activity for the tongue and hard palate during tongue movement in humans. <b>2016</b> , 127, 698-705		3
789	Identification of epileptic high frequency oscillations in the time domain by using MEG beamformer-based virtual sensors. <b>2016</b> , 127, 197-208		44
788	Aberrant Neuronal Dynamics during Working Memory Operations in the Aging HIV-Infected Brain. <b>2017</b> , 7, 41568		31
787	Comparison of group-level, source localized activity for simultaneous functional near-infrared spectroscopy-magnetoencephalography and simultaneous fNIRS-fMRI during parametric median nerve stimulation. <b>2017</b> , 4, 015001		20
786	The cortical signature of symptom laterality in Parkinson's disease. <b>2017</b> , 14, 433-440		33
785	The Influence of Eye Closure on Somatosensory Discrimination: A Trade-off Between Simple Perception and Discrimination. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 3231-3239	5.1	7
784	Prestimulus Alpha Oscillations and the Temporal Sequencing of Audiovisual Events. <b>2017</b> , 29, 1566-1582		16
783	Spatiotemporal oscillatory dynamics of visual selective attention during a flanker task. <b>2017</b> , 156, 277-285		61
782	Veterans with post-traumatic stress disorder exhibit altered emotional processing and attentional control during an emotional Stroop task. <b>2017</b> , 47, 2017-2027		20
781	Differentiated effects of deep brain stimulation and medication on somatosensory processing in Parkinson's disease. <b>2017</b> , 128, 1327-1336		1
780	Altered sensorimotor cortical oscillations in individuals with multiple sclerosis suggests a faulty internal model. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 4009-4018	5.9	16
779	Automatic detection and visualisation of MEG ripple oscillations in epilepsy. <b>2017</b> , 15, 689-701		28
778	Children with cerebral palsy have altered oscillatory activity in the motor and visual cortices during a knee motor task. <b>2017</b> , 15, 298-305		19
777	Selective impairment of hippocampus and posterior hub areas in Alzheimer's disease: an MEG-based multiplex network study. <b>2017</b> , 140, 1466-1485		72

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775	Strength of ~20-Hz Rebound and Motor Recovery After Stroke. <b>2017</b> , 31, 475-486	15
774	Right hemisphere pitch-mismatch negativity reduction in patients with major depression: An MEG study. <b>2017</b> , 215, 225-229	31
773	Brain structure and verbal function across adulthood while controlling for cerebrovascular risks. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 3472-3490	5.9 1
772	Driving Human Motor Cortical Oscillations Leads to Behaviorally Relevant Changes in Local GABA Inhibition: A tACS-TMS Study. <b>2017</b> , 37, 4481-4492	60
771	A Rapid Subcortical Amygdala Route for Faces Irrespective of Spatial Frequency and Emotion. <b>2017</b> , 37, 3864-3874	54
770	Single or multiple frequency generators in on-going brain activity: A mechanistic whole-brain model of empirical MEG data. <b>2017</b> , 152, 538-550	87
769	Expectation violation and attention to pain jointly modulate neural gain in somatosensory cortex. <b>2017</b> , 153, 109-121	29
768	Metacognition of attention during tactile discrimination. <b>2017</b> , 147, 121-129	13
767	Auditory processing in noise is associated with complex patterns of disrupted functional connectivity in autism spectrum disorder. <b>2017</b> , 10, 631-647	26
766	Transcranial direct-current stimulation modulates offline visual oscillatory activity: A magnetoencephalography study. <b>2017</b> , 88, 19-31	20
765	Integration of Functional Magnetic Resonance Imaging and Magnetoencephalography Functional Maps Into a CyberKnife Planning System: Feasibility Study for Motor Activity Localization and Dose Planning. <b>2017</b> , 108, 756-762	5
764	Network Disruption in the Preclinical Stages of Alzheimer's Disease: From Subjective Cognitive Decline to Mild Cognitive Impairment. <b>2017</b> , 27, 1750041	45
763	Alpha band event-related desynchronization underlying social situational context processing during irony comprehension: A magnetoencephalography source localization study. <b>2017</b> , 175, 42-46	4
762	MEG Insight into the Spectral Dynamics Underlying Steady Isometric Muscle Contraction. <b>2017</b> , 37, 10421-10433	30
761	Subspace-based interference removal methods for a multichannel biomagnetic sensor array. <b>2017</b> , 14, 051001	8
760	Functional and effective whole brain connectivity using magnetoencephalography to identify monozygotic twin pairs. <b>2017</b> , 7, 9685	22
759	Loss of brain inter-frequency hubs in Alzheimer's disease. <b>2017</b> , 7, 10879	47

758	Oscillations during observations: Dynamic oscillatory networks serving visuospatial attention. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 5128-5140	5.9	33
757	Multivariate pattern analysis of MEG and EEG: A comparison of representational structure in time and space. <b>2017</b> , 158, 441-454		41
756	A reduced somatosensory gating response in individuals with multiple sclerosis is related to walking impairment. <b>2017</b> , 118, 2052-2058		11
755	Cingulate and cerebellar beta oscillations are engaged in the acquisition of auditory-motor sequences. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 5161-5179	5.9	15
754	Directional information flow in patients with Alzheimer's disease. A source-space resting-state MEG study. <b>2017</b> , 15, 673-681		17
753	Feasibility of magnetoencephalographic source imaging in patients with thalamic deep brain stimulation for epilepsy. <b>2017</b> , 2, 101-106		3
752	Language control mechanisms differ for native languages: Neuromagnetic evidence from trilingual language switching. <b>2017</b> , 107, 108-120		8
751	Tracking the effect of emotional distraction in working memory brain networks: Evidence from an MEG study. <b>2017</b> , 54, 1726-1740		10
750	Evaluation of the safety and immunomodulatory effects of sargramostim in a randomized, double-blind phase 1 clinical Parkinson's disease trial. <b>2017</b> , 3, 10		70
749	Epileptic MEG Spikes Detection Using Amplitude Thresholding and Dynamic Time Warping. <b>2017</b> , 5, 11658-11667		
748	Gating of memory encoding of time-delayed cross-frequency MEG networks revealed by graph filtration based on persistent homology. <b>2017</b> , 7, 41592		6
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746	Magnetoencephalographic Recordings in Infants Using a Standard-Sized Array: Technical Adequacy and Diagnostic Yield. <b>2017</b> , 34, 461-468		10
745	Effect of interstimulus interval on cortical proprioceptive responses to passive finger movements. <b>2017</b> , 45, 290-298		5
744	Oscillatory dynamics and functional connectivity during gating of primary somatosensory responses. <b>2017</b> , 595, 1365-1375		34
743	Modulations on cortical oscillations by subthalamic deep brain stimulation in patients with Parkinson disease: A MEG study. <b>2017</b> , 636, 95-100		22
742	Movement-related cortical magnetic fields associated with self-paced tongue protrusion in humans. <b>2017</b> , 117, 22-27		3
741	Identifying the epileptogenic zone in interictal resting-state MEG source-space networks. <b>2017</b> , 58, 137-148		44

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739	Cortical response of the projected-thumb tactile sensation under TENS by MEG. <b>2017</b> , 2017, 509-512		1
738	Single-trial detection of event-related fields in MEG from the presentation of happy faces: Results of the Biomag 2016 data challenge. <b>2017</b> , 2017, 4467-4470		2
737	Deep Source Localization with Magnetoencephalography Based on Sensor Array Decomposition and Beamforming. <b>2017</b> , 17,		3
736	Choice of Magnetometers and Gradiometers after Signal Space Separation. <b>2017</b> , 17,		45
735	A Review of Issues Related to Data Acquisition and Analysis in EEG/MEG Studies. <b>2017</b> , 7,		63
734	MEG Beamformer-Based Reconstructions of Functional Networks in Mild Cognitive Impairment. <b>2017</b> , 9, 107		20
733	Functional Connectivity Disruption in Subjective Cognitive Decline and Mild Cognitive Impairment: A Common Pattern of Alterations. <b>2017</b> , 9, 109		63
732	Lack of Cortical Correlates of Response Inhibition in 6-Year-Olds Born Extremely Preterm - Evidence from a Go/NoGo Task in Magnetoencephalographic Recordings. <b>2016</b> , 10, 666		6
731	Resting-State Neurophysiological Abnormalities in Posttraumatic Stress Disorder: A Magnetoencephalography Study. <b>2017</b> , 11, 205		18
730	The Detection of Phase Amplitude Coupling during Sensory Processing. <b>2017</b> , 11, 487		41
729	Functional Connectivity of the Pedunculo-pontine Nucleus and Surrounding Region in Parkinson's Disease. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 54-67	5.1	18
728	Exploring the spatio-temporal neural basis of face learning. <b>2017</b> , 17, 1		2
727	Information properties of morphologically complex words modulate brain activity during word reading. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 2583-2595	5.9	6
726	Multivariate pattern analysis for MEG: A comparison of dissimilarity measures. <b>2018</b> , 173, 434-447		48
725	IFCN-endorsed practical guidelines for clinical magnetoencephalography (MEG). <b>2018</b> , 129, 1720-1747		75
724	The sequence of cortical activity inferred by response latency variability in the human ventral pathway of face processing. <b>2018</b> , 8, 5836		0
723	Recognizing Facial Slivers. <b>2018</b> , 30, 951-962		10

722	Disrupted Resting State Network of Fibromyalgia in Theta frequency. <b>2018</b> , 8, 2064		15
721	Maturation trajectories of cortical resting-state networks depend on the mediating frequency band. <b>2018</b> , 174, 57-68		31
720	Neural source dynamics of brain responses to continuous stimuli: Speech processing from acoustics to comprehension. <b>2018</b> , 172, 162-174		51
719	Infant brain responses to felt and observed touch of hands and feet: an MEG study. <b>2018</b> , 21, e12651		66
718	Oscillatory dynamics in the dorsal and ventral attention networks during the reorienting of attention. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 2177-2190	5.9	36
717	Movement-Related Somatosensory Activity Is Altered in Patients with Multiple Sclerosis. <b>2018</b> , 31, 700-707		4
716	Attentional dysfunction and recovery in concussion: effects on the P300m and contingent magnetic variation. <b>2018</b> , 32, 464-473		7
715	Ictal and interictal MEG in pediatric patients with tuberous sclerosis and drug resistant epilepsy. <b>2018</b> , 140, 162-165		9
714	Contrasting functional imaging parametric maps: The mislocation problem and alternative solutions. <b>2018</b> , 169, 200-211		20
713	Characterizing the effects of deep brain stimulation with magnetoencephalography: A review. <b>2018</b> , 11, 481-491		17
712	Veterans with PTSD demonstrate amygdala hyperactivity while viewing threatening faces: A MEG study. <b>2018</b> , 132, 228-232		21
711	Altered Brain Dynamics in Patients With Type 1 Diabetes During Working Memory Processing. <b>2018</b> , 67, 1140-1148		19
710	The lifespan trajectory of neural oscillatory activity in the motor system. <b>2018</b> , 30, 159-168		42
709	tDCS Modulates Visual Gamma Oscillations and Basal Alpha Activity in Occipital Cortices: Evidence from MEG. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 1597-1609	5.1	36
708	Decoding the orientation of contrast edges from MEG evoked and induced responses. <b>2018</b> , 180, 267-279		26
707	Diminished neural resources allocation to time processing in Autism Spectrum Disorders. <b>2018</b> , 17, 124-136		7
706	The peak frequency of motor-related gamma oscillations is modulated by response competition. <b>2018</b> , 165, 27-34		21
705	Temporal alignment of anticipatory motor cortical beta lateralisation in hidden visual-motor sequences. <b>2018</b> , 48, 2684-2695		14

704	Attention training modulates resting-state neurophysiological abnormalities in posttraumatic stress disorder. <b>2018</b> , 271, 135-141	8
703	Magnetoencephalographic Recordings in Infants: A Retrospective Analysis of Seizure-Focus Yield and Postsurgical Outcomes. <b>2018</b> , 35, 454-462	10
702	Relationships Between Behavioral And Single-Trial Target Detection Performance With Magnetoencephalography. <b>2018</b> , 2018, 9-12	
701	A simple magnetoencephalographic auditory paradigm may aid in confirming left-hemispheric language dominance in epilepsy patients. <b>2018</b> , 13, e0200073	3
700	Noise cancellation for a whole-head magnetometer-based MEG system in hospital environment. <b>2018</b> , 4,	4
699	Rapid Transformation from Auditory to Linguistic Representations of Continuous Speech. <b>2018</b> , 28, 3976-3983, 95	95
698	Distinct cortical responses evoked by electrical stimulation of the thalamic ventral intermediate nucleus and of the subthalamic nucleus. <b>2018</b> , 20, 1246-1254	9
697	Scale-Free Functional Connectivity Analysis from Source Reconstructed MEG Data. <b>2018</b> ,	2
696	A Reproducible MEG/EEG Group Study With the MNE Software: Recommendations, Quality Assessments, and Good Practices. <b>2018</b> , 12, 530	52
695	Val66Met Polymorphism and Gamma Band Disruption in Resting State Brain Functional Connectivity: A Magnetoencephalography Study in Cognitively Intact Older Females. <b>2018</b> , 12, 684	2
694	Neural dynamics of selective attention deficits in HIV-associated neurocognitive disorder. <b>2018</b> , 91, e1860-e1869	99
693	Large-scale functional networks connect differently for processing words and symbol strings. <b>2018</b> , 13, e0196773	4
692	Polarity-dependent modulation of multi-spectral neuronal activity by transcranial direct current stimulation. <b>2018</b> , 108, 222-233	21
691	Phase locking value revisited: teaching new tricks to an old dog. <b>2018</b> , 15, 056011	59
690	Self-similarity and multifractality in human brain activity: A wavelet-based analysis of scale-free brain dynamics. <b>2018</b> , 309, 175-187	18
689	Theta-Band Oscillations as an Indicator of Mild Traumatic Brain Injury. <b>2018</b> , 31, 1037-1046	13
688	Increased variability of stimulus-driven cortical responses is associated with genetic variability in children with and without dyslexia. <b>2018</b> , 34, 7-17	17
687	Short timescale abnormalities in the states of spontaneous synchrony in the functional neural networks in Alzheimer's disease. <b>2018</b> , 20, 128-152	18



686	Non-linear transfer characteristics of stimulation and recording hardware account for spurious low-frequency artifacts during amplitude modulated transcranial alternating current stimulation (AM-tACS). <b>2018</b> , 179, 134-143	24
685	Beta Oscillatory Dynamics in the Prefrontal and Superior Temporal Cortices Predict Spatial Working Memory Performance. <b>2018</b> , 8, 8488	21
684	Evidence for a general performance-monitoring system in the human brain. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4322-4333	5.9 7
683	Recovery of the 20 Hz Rebound to Tactile and Proprioceptive Stimulation after Stroke. <b>2018</b> , 2018, 7395798	7
682	Reproducibility of corticokinematic coherence. <b>2018</b> , 179, 596-603	6
681	Bilateral Transcranial Direct Current Stimulation Reshapes Resting-State Brain Networks: A Magnetoencephalography Assessment. <b>2018</b> , 2018, 2782804	15
680	Spontaneous sensorimotor cortical activity is suppressed by deep brain stimulation in patients with advanced Parkinson's disease. <b>2018</b> , 683, 48-53	14
679	Mapping the topological organisation of beta oscillations in motor cortex using MEG. <b>2018</b> , 181, 831-844	16
678	Theta oscillations mediate pre-activation of highly expected word initial phonemes. <b>2018</b> , 8, 9503	5
677	Neurophysiological changes in the visuomotor network after practicing a motor task. <b>2018</b> , 120, 239-249	13
676	Deep brain stimulation of the ventral striatal area for poststroke pain syndrome: a magnetoencephalography study. <b>2018</b> , 119, 2118-2128	6
675	Lack of frequency-tagged magnetic responses suggests statistical regularities remain undetected during NREM sleep. <b>2018</b> , 8, 11719	9
674	Cortical Proprioceptive Processing Is Altered by Aging. <b>2018</b> , 10, 147	24
673	Left-Lateralized Contributions of Saccades to Cortical Activity During a One-Back Word Recognition Task. <b>2018</b> , 12, 38	1
672	Disruption of Boundary Encoding During Sensorimotor Sequence Learning: An MEG Study. <b>2018</b> , 12, 240	
671	Group Analysis in MNE-Python of Evoked Responses from a Tactile Stimulation Paradigm: A Pipeline for Reproducibility at Every Step of Processing, Going from Individual Sensor Space Representations to an across-Group Source Space Representation. <b>2018</b> , 12, 6	9
670	Influence of Musical Enculturation on Brain Responses to Metric Deviants. <b>2018</b> , 12, 218	35
669	Group Analysis in FieldTrip of Time-Frequency Responses: A Pipeline for Reproducibility at Every Step of Processing, Going From Individual Sensor Space Representations to an Across-Group Source Space Representation. <b>2018</b> , 12, 261	6

668	Ultra-Rapid serial visual presentation reveals dynamics of feedforward and feedback processes in the ventral visual pathway. <b>2018</b> , 7,	42
667	Interactions between frontal and posterior oscillatory dynamics support adjustment of stimulus processing during reinforcement learning. <b>2018</b> , 181, 170-181	6
666	Maturational trajectories of local and long-range functional connectivity in autism during face processing. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4094-4104	5.9 26
665	Deep Learning Approach for Automatic Classification of Ocular and Cardiac Artifacts in MEG Data. <b>2018</b> , 2018, 1-10	11
664	Aberrant occipital dynamics differentiate HIV-infected patients with and without cognitive impairment. <b>2018</b> , 141, 1678-1690	50
663	An evaluation of kurtosis beamforming in magnetoencephalography to localize the epileptogenic zone in drug resistant epilepsy patients. <b>2018</b> , 129, 1221-1229	16
662	Variability and Reliability of Paired-Pulse Depression and Cortical Oscillation Induced by Median Nerve Stimulation. <b>2018</b> , 31, 780-794	3
661	Anticipatory neural dynamics of spatial-temporal orienting of attention in younger and older adults. <b>2018</b> , 178, 46-56	23
660	Task-Evoked Dynamic Network Analysis Through Hidden Markov Modeling. <b>2018</b> , 12, 603	64
659	Aberrant oscillatory dynamics during somatosensory processing in HIV-infected adults. <b>2018</b> , 20, 85-91	35
658	Brain Responses to Letters and Speech Sounds and Their Correlations With Cognitive Skills Related to Reading in Children. <b>2018</b> , 12, 304	8
657	Haptic exploration attenuates and alters somatosensory cortical oscillations. <b>2018</b> , 596, 5051-5061	7
656	Localization of the Epileptogenic Zone Using Interictal MEG and Machine Learning in a Large Cohort of Drug-Resistant Epilepsy Patients. <b>2018</b> , 9, 647	19
655	Virtual localization of the seizure onset zone: Using non-invasive MEG virtual electrodes at stereo-EEG electrode locations in refractory epilepsy patients. <b>2018</b> , 19, 758-766	11
654	. <b>2018</b> , 6, 30630-30652	59
653	Tracking the Spatiotemporal Neural Dynamics of Real-world Object Size and Animacy in the Human Brain. <b>2018</b> , 30, 1559-1576	15
652	Cortical Tracking of Global and Local Variations of Speech Rhythm during Connected Natural Speech Perception. <b>2018</b> , 30, 1704-1719	18
651	Levodopa Reduces the Phase lag Index of Parkinson's Disease Patients: A Magnetoencephalographic Study. <b>2019</b> , 50, 134-140	2

650	Decoding the processing stages of mental arithmetic with magnetoencephalography. <b>2019</b> , 114, 124-139	9
649	Prior Knowledge Guides Speech Segregation in Human Auditory Cortex. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 1561-1571	10
648	Integrating EEG and MEG Signals to Improve Motor Imagery Classification in Brain-Computer Interface. <b>2019</b> , 29, 1850014	45
647	Dysregulated oscillatory connectivity in the visual system in autism spectrum disorder. <b>2019</b> , 142, 3294-3305	24
646	Neuropsychological and neurophysiological characterization of mild cognitive impairment and Alzheimer's disease in Down syndrome. <b>2019</b> , 84, 70-79	11
645	Spatio-temporal profile of brain activity during gentle touch investigated with magnetoencephalography. <b>2019</b> , 201, 116024	13
644	Beta and alpha desynchronizations underlie reconsolidation-mediated episodic memory updating. <b>2019</b> , 132, 107135	3
643	Modeling the Switching Behavior of Functional Connectivity Microstates (FC states) as a Novel Biomarker for Mild Cognitive Impairment. <b>2019</b> , 13, 542	6
642	Permutation Statistics for Connectivity Analysis between Regions of Interest in EEG and MEG Data. <b>2019</b> , 9, 7942	11
641	Magnetoencephalography for localizing and characterizing the epileptic focus. <b>2019</b> , 160, 203-214	5
640	Left hemisphere enhancement of auditory activation in language impaired children. <b>2019</b> , 9, 9087	5
639	Comparison of DSSP and tSSS algorithms for removing artifacts from vagus nerve stimulators in magnetoencephalography data. <b>2019</b> , 16, 066045	4
638	Hypersynchronization in mild cognitive impairment: the 'X' model. <b>2019</b> , 142, 3936-3950	28
637	Hand Motor Actions of Children With Cerebral Palsy Are Associated With Abnormal Sensorimotor Cortical Oscillations. <b>2019</b> , 33, 1018-1028	6
636	Cortical gamma-synchrony measured with magnetoencephalography is a marker of clinical status and predicts clinical outcome in stroke survivors. <b>2019</b> , 24, 102092	6
635	Sex Differences in the Complexity of Healthy Older Adults' Magnetoencephalograms. <b>2019</b> , 21,	2
634	Reliability and Generalizability of Similarity-Based Fusion of MEG and fMRI Data in Human Ventral and Dorsal Visual Streams. <b>2019</b> , 3,	11
633	Evaluation of Self-generated Behavior: Untangling Metacognitive Readout and Error Detection. <b>2019</b> , 31, 1641-1657	6

632	Aberrant MEG multi-frequency phase temporal synchronization predicts conversion from mild cognitive impairment-to-Alzheimer's disease. <b>2019</b> , 24, 101972		13
631	Altered motor dynamics in type 1 diabetes modulate behavioral performance. <b>2019</b> , 24, 101977		3
630	Neural dynamics of semantic composition. <b>2019</b> , 116, 21318-21327		23
629	Vertical size disparity induces enhanced neural responses in good stereo observers. <b>2019</b> , 164, 24-33		1
628	Magnetoencephalographic Source Localization of the Eye Area of the Motor Homunculus. <b>2019</b> , 46, 108-114		2
627	Context and perceptual asymmetry effects on the mismatch negativity (MMNm) to speech sounds: an MEG study. <b>2019</b> , 34, 545-560		10
626	Auditory and Semantic Cues Facilitate Decoding of Visual Object Category in MEG. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 597-606	5.1	4
625	Relationship between MEG global dynamic functional network connectivity measures and symptoms in schizophrenia. <b>2019</b> , 209, 129-134		8
624	Practice modulates motor-related beta oscillations differently in adolescents and adults. <b>2019</b> , 597, 3203-3216		3
623	Beyond core object recognition: Recurrent processes account for object recognition under occlusion. <b>2019</b> , 15, e1007001		24
622	The time-course of component processes of selective attention. <b>2019</b> , 199, 396-407		6
621	Quantitatively validating the efficacy of artifact suppression techniques to study the cortical consequences of deep brain stimulation with magnetoencephalography. <b>2019</b> , 199, 366-374		6
620	Attentional Weighting in the Face Processing Network: A Magnetic Response Image-guided Magnetoencephalography Study Using Multiple Cyclic Entrainments. <b>2019</b> , 31, 1573-1588		5
619	Children with cerebral palsy display altered neural oscillations within the visual MT/V5 cortices. <b>2019</b> , 23, 101876		9
618	Cortico-subthalamic Coherence in a Patient With Dystonia Induced by Chorea-Acanthocytosis: A Case Report. <b>2019</b> , 13, 163		4
617	Alpha Frequency Entrainment Reduces the Effect of Visual Distractors. <b>2019</b> , 31, 1392-1403		12
616	Load effects on spatial working memory performance are linked to distributed alpha and beta oscillations. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 3682-3689	5.9	15
615	Rapid Invariant Encoding of Scene Layout in Human OPA. <b>2019</b> , 103, 161-171.e3		25

614	Localization of Sensorimotor Cortex Using Navigated Transcranial Magnetic Stimulation and Magnetoencephalography. <b>2019</b> , 32, 873-881		2
613	Closing eyes during auditory memory retrieval modulates alpha rhythm but does not alter tau rhythm. <b>2019</b> , 197, 60-68		2
612	How meaning unfolds in neural time: Embodied reactivations can precede multimodal semantic effects during language processing. <b>2019</b> , 197, 439-449		26
611	Adaptive neural network classifier for decoding MEG signals. <b>2019</b> , 197, 425-434		21
610	The perceptual neural trace of memorable unseen scenes. <b>2019</b> , 9, 6033		15
609	The impact of improved MEG-MRI co-registration on MEG connectivity analysis. <b>2019</b> , 197, 354-367		16
608	Mild Traumatic Brain Injury Affects Cognitive Processing and Modifies Oscillatory Brain Activity during Attentional Tasks. <b>2019</b> , 36, 2222-2232		12
607	Aberrant resting-state oscillatory brain activity in Parkinson's disease patients with visual hallucinations: An MEG source-space study. <b>2019</b> , 22, 101752		6
606	The spatiotemporal neural dynamics underlying perceived similarity for real-world objects. <b>2019</b> , 194, 12-24		23
605	Attention modulates topology and dynamics of auditory sensory gating. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 2981-2994	5.9	11
604	Evidence for age-related changes in sensorimotor neuromagnetic responses during cued button pressing in a large open-access dataset. <b>2019</b> , 193, 25-34		15
603	Transcranial direct current stimulation over the sensory-motor regions inhibits gamma synchrony. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 2736-2746	5.9	17
602	The Degree of Modulation of Beta Band Activity During Motor Planning Is Related to Trait Impulsivity. <b>2019</b> , 13, 1		17
601	A MEG Study on the Processing of Time and Quantity: Parietal Overlap but Functional Divergence. <b>2019</b> , 10, 139		2
600	On-scalp MEG system utilizing an actively shielded array of optically-pumped magnetometers. <b>2019</b> , 194, 244-258		75
599	Optical Co-registration of MRI and On-scalp MEG. <b>2019</b> , 9, 5490		23
598	Brain-Machine Interface-Driven Post-Stroke Upper-Limb Functional Recovery Correlates With Beta-Band Mediated Cortical Networks. <b>2019</b> , 27, 1020-1031		18
597	Audiovisual Processing of Chinese Characters Elicits Suppression and Congruency Effects in MEG. <b>2019</b> , 13, 18		9

596	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. <b>2019</b> , 39, 2938-2950		28
595	Attenuated beta rebound to proprioceptive afferent feedback in Parkinson's disease. <b>2019</b> , 9, 2604		11
594	Understanding cognitive functioning in glioma patients: The relevance of IDH-mutation status and functional connectivity. <b>2019</b> , 9, e01204		17
593	Feature Generation and Dimensionality Reduction using the Discrete Spectrum of the Schrödinger Operator for Epileptic Spikes Detection. <b>2019</b> , 2019, 2373-2376		1
592	The Strength of the Movement-related Somatosensory Cortical Oscillations Differ between Adolescents and Adults. <b>2019</b> , 9, 18520		8
591	Modulation of Motor Cortical Activities by Action Observation and Execution in Patients with Stroke: An MEG Study. <b>2019</b> , 2019, 8481371		5
590	Change in left inferior frontal connectivity with less unexpected harmonic cadence by musical expertise. <b>2019</b> , 14, e0223283		1
589	Integrating electric field modeling and neuroimaging to explain inter-individual variability of tACS effects. <b>2019</b> , 10, 5427		48
588	Treatment Outcome of Auditory and Frontal Dual-Site rTMS in Tinnitus Patients and Changes in Magnetoencephalographic Functional Connectivity after rTMS: Double-Blind Randomized Controlled Trial. <b>2019</b> , 24, 293-298		6
587	Detecting differences with magnetoencephalography of somatosensory processing after tactile and electrical stimuli. <b>2019</b> , 311, 331-337		5
586	The developmental trajectory of sensorimotor cortical oscillations. <b>2019</b> , 184, 455-461		31
585	Frontoparietal Networks Mediate the Behavioral Impact of Alpha Inhibition in Visual Cortex. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 3505-3513	5.1	19
584	Somatosensory responses to nothing: An MEG study of expectations during omission of tactile stimulations. <b>2019</b> , 184, 78-89		16
583	Comparing the potential of MEG and EEG to uncover brain tracking of speech temporal envelope. <b>2019</b> , 184, 201-213		28
582	Load modulates the alpha and beta oscillatory dynamics serving verbal working memory. <b>2019</b> , 184, 256-265		27
581	Temporal Metacognition as the Decoding of Self-Generated Brain Dynamics. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 4366-4380	5.1	20
580	Bayesian multi-dipole modelling in the frequency domain. <b>2019</b> , 312, 27-36		5
579	Dynamic Functional Network Connectivity in Schizophrenia with Magnetoencephalography and Functional Magnetic Resonance Imaging: Do Different Timescales Tell a Different Story?. <b>2019</b> , 9, 251-262		16

578	The impact of type 1 diabetes on neural activity serving attention. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 1093-1100	7
577	tDCS modulates behavioral performance and the neural oscillatory dynamics serving visual selective attention. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 729-740	5.9 30
576	The impact of age and sex on the oscillatory dynamics of visuospatial processing. <b>2019</b> , 185, 513-520	23
575	Neural dynamics of verbal working memory processing in children and adolescents. <b>2019</b> , 185, 191-197	23
574	Oscillatory dynamics of cortical functional connections in semantic prediction. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 1856-1866	5.9 11
573	The strength of alpha and gamma oscillations predicts behavioral switch costs. <b>2019</b> , 188, 274-281	13
572	Evaluation of a dual signal subspace projection algorithm in magnetoencephalographic recordings from patients with intractable epilepsy and vagus nerve stimulators. <b>2019</b> , 188, 161-170	5
571	The temporal dynamics of structure and content in sentence comprehension: Evidence from fMRI-constrained MEG. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 663-678	5.9 31
570	Rhythmic Spontaneous Activity Mediates the Age-Related Decline in Somatosensory Function. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 680-688	5.1 41
569	Overview of MEG. <b>2019</b> , 22, 95-115	5
568	Enhancement of posterior brain functional networks in bilingual older adults. <b>2020</b> , 23, 387-400	9
567	Bilateral activations in operculo-insular area show temporal dissociation after peripheral electrical stimulation in healthy adults. <b>2020</b> , 52, 4604-4612	1
566	Spatiotemporal Oscillatory Patterns During Working Memory Maintenance in Mild Cognitive Impairment and Subjective Cognitive Decline. <b>2020</b> , 30, 1950019	10
565	Prefrontal theta modulates sensorimotor gamma networks during the reorienting of attention. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 520-529	5.9 20
564	Non-negative Matrix Factorization Reveals Resting-State Cortical Alpha Network Abnormalities in the First-Episode Schizophrenia Spectrum. <b>2020</b> , 5, 961-970	6
563	Altered neural dynamics in occipital cortices serving visual-spatial processing in heavy alcohol users. <b>2020</b> , 34, 245-253	6
562	Epigenetic Markers of Aging Predict the Neural Oscillations Serving Selective Attention. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 1234-1243	5.1 6
561	Neuromagnetic correlates of hemispheric specialization for face and word recognition. <b>2020</b> , 156, 108-116	2

560	Resting-State Magnetoencephalography Source Imaging Pilot Study in Children with Mild Traumatic Brain Injury. <b>2020</b> , 37, 994-1001		6
559	Task-Modulated Corticocortical Synchrony in the Cognitive-Motor Network Supporting Handwriting. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 1871-1886	5.1	1
558	The Neural Time Course of Semantic Ambiguity Resolution in Speech Comprehension. <b>2020</b> , 32, 403-425		4
557	Emergence of $\beta$ and $\gamma$ networks following multisensory training. <b>2020</b> , 206, 116313		3
556	Posterior Alpha and Gamma Oscillations Index Divergent and Superadditive Effects of Cognitive Interference. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 1931-1945	5.1	8
555	Complexity changes in preclinical Alzheimer's disease: An MEG study of subjective cognitive decline and mild cognitive impairment. <b>2020</b> , 131, 437-445		8
554	High-definition transcranial direct current stimulation dissociates fronto-visual theta lateralization during visual selective attention. <b>2020</b> , 598, 987-998		8
553	Lip-Reading Enables the Brain to Synthesize Auditory Features of Unknown Silent Speech. <b>2020</b> , 40, 1053-1065		27
552	EMS-Net: A Deep Learning Method for Autodetecting Epileptic Magnetoencephalography Spikes. <b>2020</b> , 39, 1833-1844		6
551	Alpha Synchrony and the Neurofeedback Control of Spatial Attention. <b>2020</b> , 105, 577-587.e5		45
550	Multielectrode Transcranial Electrical Stimulation of the Left and Right Prefrontal Cortices Differentially Impacts Verbal Working Memory Neural Circuitry. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 2389-2400	5.1	7
549	Dissecting beta-state changes during timed movement preparation in Parkinson's disease. <b>2020</b> , 184, 101731		13
548	Age-related trends in neuromagnetic transient beta burst characteristics during a sensorimotor task and rest in the Cam-CAN open-access dataset. <b>2020</b> , 222, 117245		4
547	Lateralized evoked responses in parietal cortex demonstrate visual short-term memory deficits in first-episode schizophrenia. <b>2020</b> , 130, 292-299		4
546	Interactive effects of HIV and ageing on neural oscillations: independence from neuropsychological performance. <b>2020</b> , 2, fcaa015		9
545	Prefrontal gating of sensory input differentiates cognitively impaired and unimpaired aging adults with HIV. <b>2020</b> , 2, fcaa080		11
544	Frequency-Specific Resting Connectome in Bipolar Disorder: An MEG Study. <b>2020</b> , 11, 597		4
543	Numerical working memory alters alpha-beta oscillations and connectivity in the parietal cortices. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 3709-3719	5.9	5



542	Motor beta cortical oscillations are related with the gait kinematics of youth with cerebral palsy. <b>2020</b> , 7, 2421-2432		6
541	Individual pain sensitivity is associated with resting-state cortical activities in healthy individuals but not in patients with migraine: a magnetoencephalography study. <b>2020</b> , 21, 133		3
540	Dynamics of morphological processing in pre-school children with and without familial risk for dyslexia. <b>2020</b> , 56, 100931		2
539	Parietal Oscillatory Dynamics Mediate Developmental Improvement in Motor Performance. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 6405-6414	5.1	4
538	Alterations of Heartbeat Evoked Magnetic Fields Induced by Sounds of Disgust. <b>2020</b> , 11, 683		0
537	Development and sex modulate visuospatial oscillatory dynamics in typically-developing children and adolescents. <b>2020</b> , 221, 117192		8
536	Preliminary findings on tools for the analysis of mental activity of programmers using EEG data from portable devices. <b>2020</b> ,		
535	The Influence of Form- and Meaning-Based Predictions on Cortical Speech Processing Under Challenging Listening Conditions: A MEG Study. <b>2020</b> , 14, 573254		0
534	The age-related trajectory of visual attention neural function is altered in adults living with HIV: A cross-sectional MEG study. <b>2020</b> , 61, 103065		6
533	Cortical tracking of speech in noise accounts for reading strategies in children. <b>2020</b> , 18, e3000840		6
532	A multivariate model of time to conversion from mild cognitive impairment to Alzheimer's disease. <b>2020</b> , 42, 1715-1732		1
531	Reduction of spontaneous cortical beta bursts in Parkinson's disease is linked to symptom severity. <b>2020</b> , 2, fcaa052		5
530	Issues and recommendations from the OHBM COBIDAS MEEG committee for reproducible EEG and MEG research. <b>2020</b> , 23, 1473-1483		43
529	Age and APOE genotype affect the relationship between objectively measured physical activity and power in the alpha band, a marker of brain disease. <b>2020</b> , 12, 113		3
528	Reduced Dorsal Visual Oscillatory Activity During Working Memory Maintenance in the First-Episode Schizophrenia Spectrum. <b>2020</b> , 11, 743		2
527	Extended Signal-Space Separation Method for Improved Interference Suppression in MEG. <b>2021</b> , 68, 2211-2221		0
526	Functional brain network organization measured with magnetoencephalography predicts cognitive decline in multiple sclerosis. <b>2021</b> , 27, 1727-1737		6
525	Alterations in resting-state network dynamics along the Alzheimer's disease continuum. <b>2020</b> , 10, 21990		9

524	Poststroke acute dysexecutive syndrome, a disorder resulting from minor stroke due to disruption of network dynamics. <b>2020</b> , 117, 33578-33585		4
523	Neuromagnetic speech discrimination responses are associated with reading-related skills in dyslexic and typical readers. <b>2020</b> , 6, e04619		2
522	Mapping language networks and their association with verbal abilities in paediatric epilepsy using MEG and graph analysis. <b>2020</b> , 27, 102265		1
521	Attentional modulation of the auditory steady-state response across the cortex. <b>2020</b> , 217, 116930		6
520	Genuine cross-frequency coupling networks in human resting-state electrophysiological recordings. <b>2020</b> , 18, e3000685		17
519	Detection of interictal epileptiform discharges: A comparison of on-scalp MEG and conventional MEG measurements. <b>2020</b> , 131, 1711-1720		4
518	MEG for Greater Sensitivity and More Precise Localization in Epilepsy. <b>2020</b> , 30, 145-158		2
517	Space-Time-Frequency Multi-Sensor Analysis for Motor Cortex Localization Using Magnetoencephalography. <b>2020</b> , 20,		1
516	Spatiotemporal properties of the neural representation of conceptual content for words and pictures - an MEG study. <b>2020</b> , 219, 116913		7
515	Prefrontal Multielectrode Transcranial Direct Current Stimulation Modulates Performance and Neural Activity Serving Visuospatial Processing. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 4847-4857	5.1	3
514	Early dissociation of numbers and letters in the human brain. <b>2020</b> , 130, 192-202		0
513	A backward encoding approach to recover subcortical auditory activity. <b>2020</b> , 218, 116961		0
512	Effectively combining temporal projection noise suppression methods in magnetoencephalography. <b>2020</b> , 341, 108700		3
511	Hippocampal Contribution to Ordinal Psychological Time in the Human Brain. <b>2020</b> , 32, 2071-2086		6
510	The Temporal and Spatial Dynamics of Cortical Emotion Processing in Different Brain Frequencies as Assessed Using the Cluster-Based Permutation Test: An MEG Study. <b>2020</b> , 10,		2
509	Beyond the eye: Cortical differences in primary visual processing in children with cerebral palsy. <b>2020</b> , 27, 102318		4
508	Brain dynamics for confidence-weighted learning. <b>2020</b> , 16, e1007935		4
507	Decomposing neural responses to melodic surprise in musicians and non-musicians: Evidence for a hierarchy of predictions in the auditory system. <b>2020</b> , 215, 116816		12

506	Intact Auditory Cortical Cross-Frequency Coupling in Early and Chronic Schizophrenia. <b>2020</b> , 11, 507	7
505	Older Age Increases the Amplitude of Muscle Stretch-Induced Cortical Beta-Band Suppression But Does not Affect Rebound Strength. <b>2020</b> , 12, 117	5
504	NeuroPycon: An open-source python toolbox for fast multi-modal and reproducible brain connectivity pipelines. <b>2020</b> , 219, 117020	15
503	Rapid changes in brain activity during learning of grapheme-phoneme associations in adults. <b>2020</b> , 220, 117058	4
502	Abnormal alpha band power in the dynamic pain connectome is a marker of chronic pain with a neuropathic component. <b>2020</b> , 26, 102241	14
501	Beta and gamma oscillations index cognitive interference effects across a distributed motor network. <b>2020</b> , 213, 116747	14
500	Abnormal Emotional Processing and Emotional Experience in Patients with Peripheral Facial Nerve Paralysis: An MEG Study. <b>2020</b> , 10,	3
499	Alpha Rhythms Reveal When and Where Item and Associative Memories Are Retrieved. <b>2020</b> , 40, 2510-2518	15
498	Dysfunction of Inferior Parietal Lobule During Sensory Gating in Patients With Amnesic Mild Cognitive Impairment. <b>2020</b> , 12, 39	6
497	Mapping language from MEG beta power modulations during auditory and visual naming. <b>2020</b> , 220, 117090	3
496	Reduced auditory steady state responses in autism spectrum disorder. <b>2020</b> , 11, 56	13
495	Detection of early stages of Alzheimer's disease based on MEG activity with a randomized convolutional neural network. <b>2020</b> , 107, 101924	18
494	Cortical network dysfunction revealed by magnetoencephalography in carriers of spinocerebellar ataxia 1 or 2 mutation. <b>2020</b> , 131, 1548-1555	1
493	Multi-spectral oscillatory dynamics serving directed and divided attention. <b>2020</b> , 217, 116927	8
492	The comparative performance of DBS artefact rejection methods for MEG recordings. <b>2020</b> , 219, 117057	7
491	Methodological considerations for a better somatosensory gating paradigm: The impact of the inter-stimulus interval. <b>2020</b> , 220, 117048	6
490	Resting-state connectivity and network parameter analysis in alcohol-dependent males. A simultaneous EEG-MEG study. <b>2020</b> , 98, 1857-1876	9
489	Pubertal Testosterone Tracks the Developmental Trajectory of Neural Oscillatory Activity Serving Visuospatial Processing. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 5960-5971	5.1 9

488	Secondary somatosensory area is involved in vibrotactile temporal-structure processing: MEG analysis of slow cortical potential shifts in humans. <b>2020</b> , 37, 222-232	2
487	Neuro-current response functions: A unified approach to MEG source analysis under the continuous stimuli paradigm. <b>2020</b> , 211, 116528	6
486	Neural oscillatory dynamics serving abstract reasoning reveal robust sex differences in typically-developing children and adolescents. <b>2020</b> , 42, 100770	10
485	Attention modulates the gating of primary somatosensory oscillations. <b>2020</b> , 211, 116610	33
484	Permutation Entropy and Statistical Complexity in Mild Cognitive Impairment and Alzheimer's Disease: An Analysis Based on Frequency Bands. <b>2020</b> , 22,	7
483	Motor effects of deep brain stimulation correlate with increased functional connectivity in Parkinson's disease: An MEG study. <b>2020</b> , 26, 102225	4
482	Objective assessment of automatic language comprehension mechanisms in the brain: Novel E/MEG paradigm. <b>2020</b> , 57, e13543	4
481	Dorsal Root Ganglion Stimulation Modulates Cortical Gamma Activity in the Cognitive Dimension of Chronic Pain. <b>2020</b> , 10,	10
480	QuPWM: Feature Extraction Method for Epileptic Spike Classification. <b>2020</b> , 24, 2814-2824	2
479	Postoperative oscillatory brain activity as an add-on prognostic marker in diffuse glioma. <b>2020</b> , 147, 49-58	3
478	Musical prediction error responses similarly reduced by predictive uncertainty in musicians and non-musicians. <b>2020</b> , 51, 2250-2269	10
477	Brain mechanisms in motor control during reaching movements: Transition of functional connectivity according to movement states. <b>2020</b> , 10, 567	5
476	Functional disconnection of associative cortical areas predicts performance during BCI training. <b>2020</b> , 209, 116500	13
475	Altered functional connectivity between primary and secondary somatosensory areas in panic disorder. <b>2020</b> , 285, 112808	0
474	Local cortical thickness predicts somatosensory gamma oscillations and sensory gating: A multimodal approach. <b>2020</b> , 214, 116749	5
473	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. <b>2020</b> , 216, 116788	7
472	Timing of phase-amplitude coupling is essential for neuronal and functional maturation of audiovisual integration in adolescents. <b>2020</b> , 10, e01635	4
471	Comparing MEG and EEG in detecting the ~20-Hz rhythm modulation to tactile and proprioceptive stimulation. <b>2020</b> , 215, 116804	8

470	The relationship between physical activity, apolipoprotein E $\beta$ carriage, and brain health. <b>2020</b> , 12, 48	10
469	Cortical source localization of sleep-stage specific oscillatory activity. <b>2020</b> , 10, 6976	9
468	Interictal magnetoencephalography in parietal lobe epilepsy - Comparison of equivalent current dipole and beamformer (SAMepi) analysis. <b>2020</b> , 5, 64-72	5
467	Atypical MEG inter-subject correlation during listening to continuous natural speech in dyslexia. <b>2020</b> , 216, 116799	8
466	Discordant Alpha-Band Transcranial Alternating Current Stimulation Affects Cortico-Cortical and Cortico-Cerebellar Connectivity. <b>2020</b> , 10, 170-182	1
465	Age-related visual dynamics in HIV-infected adults with cognitive impairment. <b>2020</b> , 7,	10
464	Unified Expression of the Quasi-Static Electromagnetic Field: Demonstration With MEG and EEG Signals. <b>2021</b> , 68, 992-1004	0
463	Decoding the Real-Time Neurobiological Properties of Incremental Semantic Interpretation. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 233-247	5.1 0
462	Altered fronto-occipital connectivity during visual selective attention in regular cannabis users. <b>2021</b> , 238, 1351-1361	5
461	Dysfunctional frontal activation of mismatch negativity in panic disorder: A magnetoencephalographic study. <b>2021</b> , 280, 211-218	4
460	P300 in mesial temporal lobe epilepsy and its correlation with cognition - A MEG based prospective case-control study. <b>2021</b> , 114, 107619	1
459	Abnormal organization of inhibitory control functional networks in future binge drinkers. <b>2021</b> , 218, 108401	2
458	Color Space Geometry Uncovered with Magnetoencephalography. <b>2021</b> , 31, 515-526.e5	7
457	Three-Year Reliability of MEG Visual and Somatosensory Responses. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 2534-2548.1	9
456	The somatosensory cortical activity in individuals with cerebral palsy displays an aberrant developmental trajectory. <b>2021</b> , 599, 1281-1289	3
455	Spatial fidelity of MEG/EEG source estimates: A general evaluation approach. <b>2021</b> , 224, 117430	12
454	Response certainty during bimanual movements reduces gamma oscillations in primary motor cortex. <b>2021</b> , 224, 117448	4
453	Functional Connectivity Hypersynchronization in Relatives of Alzheimer's Disease Patients: An Early E/I Balance Dysfunction?. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 1201-1210	5.1 8

452	EEG and MEG primers for tracking DBS network effects. <b>2021</b> , 224, 117447		8
451	Gating Patterns to Proprioceptive Stimulation in Various Cortical Areas: An MEG Study in Children and Adults using Spatial ICA. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 1523-1537	5.1	2
450	Autonomic and Electrophysiological Evidence for Reduced Auditory Habituation in Autism. <b>2021</b> , 51, 2218-2228		2
449	Dependence of Connectivity on the Logarithm of Geometric Distance in Brain Networks. <b>2020</b> , 11, 611125		3
448	Structural and functional correlates of subthalamic deep brain stimulation-induced apathy in Parkinson's disease. <b>2021</b> , 14, 192-201		5
447	CMC is more than a measure of corticospinal tract integrity in acute stroke patients. <b>2021</b> , 32, 102818		0
446	Classification of evoked responses to inverted faces reveals both spatial and temporal cortical response abnormalities in Autism spectrum disorder. <b>2021</b> , 29, 102501		
445	Increased theta/alpha synchrony in the habenula-prefrontal network with negative emotional stimuli in human patients.		
444	Revisiting Functional Connectivity for Infralow Scale-Free Brain Dynamics Using Complex Wavelets. <b>2020</b> , 11, 578537		4
443	Functional connectivity of spoken language processing in early-stage Parkinson's disease: An MEG study. <b>2021</b> , 32, 102718		2
442	Using Tools for the Analysis of the Mental Activity of Programmers. <b>2021</b> , 321-337		
441	Spatio-spectral relationships between pathological neural dynamics and cognitive impairment along the Alzheimer's disease spectrum. <b>2021</b> , 13, e12200		3
440	Cortical oscillations that underlie visual selective attention are abnormal in adolescents with cerebral palsy. <b>2021</b> , 11, 4661		1
439	Exercise intervention protocol in children and young adults with cerebral palsy: the effects of strength, flexibility and gait training on physical performance, neuromuscular mechanisms and cardiometabolic risk factors (EXECP). <b>2021</b> , 13, 17		1
438	In vivo tau pathology is associated with synaptic loss and altered synaptic function. <b>2021</b> , 13, 35		15
437	Picture naming yields highly consistent cortical activation patterns: Test-retest reliability of magnetoencephalography recordings. <b>2021</b> , 227, 117651		3
436	Children with Cerebral Palsy Have Altered Occipital Cortical Oscillations during a Visuospatial Attention Task. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 3353-3362	5.1	3
435	Musicianship and melodic predictability enhance neural gain in auditory cortex during pitch deviance detection.		

434	MEG-Based Detection of Voluntary Eye Fixations Used to Control a Computer. <b>2021</b> , 15, 619591			2
433	Non-invasively measured brain activity and radiological progression in diffuse glioma.			
432	Individual Magnetoencephalography Response Profiles to Short-Duration L-Dopa in Parkinson's Disease. <b>2021</b> , 15, 640591			
431	Reconstructing feedback representations in the ventral visual pathway with a generative adversarial autoencoder. <b>2021</b> , 17, e1008775			1
430	Spatiotemporal dynamics of responses to biological motion in the human brain. <b>2021</b> , 136, 124-139			3
429	Automatic and Fast Encoding of Representational Uncertainty Underlies the Distortion of Relative Frequency. <b>2021</b> , 41, 3692-3706			
428	Impact of HIV-infection on human somatosensory processing, spontaneous cortical activity, and cortical thickness: A multimodal neuroimaging approach. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 2851-2861	5.9		9
427	Neural speech tracking shifts from the syllabic to the modulation rate of speech as intelligibility decreases.			0
426	Children with autism spectrum disorder show altered functional connectivity and abnormal maturation trajectories in response to inverted faces. <b>2021</b> , 14, 1101-1114			4
425	Event-related and oscillatory signatures of response inhibition: A magnetoencephalography study with subclinical high and low impulsivity adults.			
424	Modified covariance beamformer for solving MEG inverse problem in the environment with correlated sources. <b>2021</b> , 228, 117677			3
423	Behavioral and Brain Measures of Morphological Processing in Children With and Without Familial Risk for Dyslexia From Pre-school to First Grade. <b>2021</b> , 6,			
422	Localization accuracy of a common beamformer for the comparison of two conditions. <b>2021</b> , 230, 117793			0
421	Fourier SPoC: A customised machine-learning analysis pipeline for auditory beat-based entrainment in the MEG.			
420	Brain electrical traits of logical validity. <b>2021</b> , 11, 7982			
419	The intervention of mechanical tactile stimulation modulates somatosensory evoked magnetic fields and cortical oscillations. <b>2021</b> , 53, 3433-3446			1
418	BCI learning induces core-periphery reorganization in M/EEG multiplex brain networks. <b>2021</b> ,			1
417	Cortical oscillations that underlie working memory are altered in adults with cerebral palsy. <b>2021</b> , 132, 938-945			1

416	Children at risk for dyslexia show deficient left-hemispheric memory representations for new spoken word forms. <b>2021</b> , 229, 117739	2
415	Neural representations of imagined speech revealed by frequency-tagged magnetoencephalography responses. <b>2021</b> , 229, 117724	5
414	Measuring functional connectivity with wearable MEG. <b>2021</b> , 230, 117815	21
413	Automated emotion classification in the early stages of cortical processing: An MEG study. <b>2021</b> , 115, 102063	1
412	What Can Glioma Patients Teach Us about Language (Re)Organization in the Bilingual Brain: Evidence from fMRI and MEG. <b>2021</b> , 13,	2
411	Attention directed to proprioceptive stimulation alters its cortical processing in the primary sensorimotor cortex. <b>2021</b> , 54, 4269	1
410	Temporal Dynamics of Neural Processing of Facial Expressions and Emotions.	0
409	Cortical Oscillatory Dysrhythmias in Visual Snow Syndrome: A MEG Study.	0
408	STN-DBS affects language processing differentially in Parkinson's disease: Multiple-case MEG study. <b>2021</b> , 144, 132-141	2
407	A Graph Gaussian Embedding Method for Predicting Alzheimer's Disease Progression With MEG Brain Networks. <b>2021</b> , 68, 1579-1588	5
406	Deep-MEG: spatiotemporal CNN features and multiband ensemble classification for predicting the early signs of Alzheimer's disease with magnetoencephalography. <b>2021</b> , 33, 14651	5
405	Hypersynchronized Magnetoencephalography Brain Networks in Patients with Mild Cognitive Impairment and Alzheimer's Disease in Down Syndrome. <b>2021</b> , 11, 725-733	3
404	The effect of alertness and attention on the modulation of the beta rhythm to tactile stimulation. <b>2021</b> , 9, e14818	1
403	Multimodal multilayer network centrality relates to executive functioning.	1
402	The visual cortex produces gamma band echo in response to broadband visual flicker. <b>2021</b> , 17, e1009046	1
401	Physical activity and aerobic fitness show different associations with brain processes underlying anticipatory selective visuospatial attention in adolescents. <b>2021</b> , 1761, 147392	0
400	Alpha peak frequency is linked to episodic memory impairment in pathological aging.	
399	Measuring the cortical tracking of speech with optically-pumped magnetometers. <b>2021</b> , 233, 117969	8



398	Understanding Global Brain Network Alterations in Glioma Patients. <b>2021</b> , 11, 865-874		2
397	Auditory steady-state responses during and after a stimulus: Cortical sources, and the influence of attention and musicality. <b>2021</b> , 233, 117962		1
396	Neural oscillations underlying selective attention follow sexually divergent developmental trajectories during adolescence. <b>2021</b> , 49, 100961		7
395	Indications for Inpatient Magnetoencephalography in Children - An Institution's Experience. <b>2021</b> , 15, 667777		0
394	Movement-Related Gamma Synchrony Differentially Predicts Behavior in the Presence of Visual Interference Across the Lifespan. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 5056-5066	5.1	2
393	Correcting MEG Artifacts Caused by Overt Speech. <b>2021</b> , 15, 682419		1
392	Characterizing the middle-age neurophysiology using EEG/MEG.		
391	Differences in Rhythmic Neural Activity Supporting the Temporal and Spatial Cueing of Attention. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 4933-4944	5.1	2
390	Different features of the cortical sensorimotor rhythms are uniquely linked to the severity of specific symptoms in Parkinson's disease.		0
389	Increased theta/alpha synchrony in the habenula-prefrontal network with negative emotional stimuli in human patients. <b>2021</b> , 10,		3
388	Diagnostic added value of interictal magnetic source imaging in presurgical evaluation of persons with epilepsy: A prospective blinded study. <b>2021</b> , 28, 2940-2951		1
387	Secondary somatosensory cortex evoked responses and 6-year neurodevelopmental outcome in extremely preterm children. <b>2021</b> , 132, 1572-1583		
386	The Right Hemisphere Is Responsible for the Greatest Differences in Human Brain Response to High-Arousing Emotional versus Neutral Stimuli: A MEG Study. <b>2021</b> , 11,		1
385	Neuronal correlates of the subjective experience of attention. <b>2021</b> ,		5
384	Stairway to memory: Left-hemispheric alpha dynamics index the progressive loading of items into a short-term store. <b>2021</b> , 235, 118024		3
383	Detrended fluctuation analysis in the presurgical evaluation of parietal lobe epilepsy patients. <b>2021</b> , 132, 1515-1525		0
382	Ten-year resistance training background modulates somatosensory P3 cognitive brain response in older men: A magnetoencephalography study. <b>2021</b> , 149, 111312		
381	The role of reading experience in atypical cortical tracking of speech and speech-in-noise in dyslexia.		

380	Amount of Hearing Aid Use Impacts Neural Oscillatory Dynamics Underlying Verbal Working Memory Processing for Children With Hearing Loss. <b>2021</b> ,		3
379	The neural shift of sleep quality and cognitive ageing: A resting-state MEG study of transient neural dynamics.		
378	Parallel processing in speech perception: Local and global representations of linguistic context.		0
377	The neural representation of abstract words may arise through grounding word meaning in language itself. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 4973-4984	5.9	2
376	Sequence structure organizes items in varied latent states of working memory neural network. <b>2021</b> , 10,		1
375	How expectations of pain elicited by consciously and unconsciously perceived cues unfold over time. <b>2021</b> , 235, 117985		0
374	Functional cortical localization of the tongue using corticokinematic coherence with a deep learning-assisted motion capture system.		
373	Altered Somatosensory Cortical Activity Is Associated with Cortical Thickness in Adults with Cerebral Palsy: Multimodal Evidence from MEG/sMRI. <i>Cerebral Cortex</i> , <b>2021</b> ,	5.1	0
372	Altered mismatch response of inferior parietal lobule in amnesic mild cognitive impairment: A magnetoencephalographic study. <b>2021</b> , 27, 1136-1145		2
371	Decoding Object-Based Auditory Attention from Source-Reconstructed MEG Alpha Oscillations. <b>2021</b> , 41, 8603-8617		7
370	Dissociation of Connectivity for Syntactic Irregularity and Perceptual Ambiguity in Musical Chord Stimuli. <b>2021</b> , 15, 693629		
369	Altered maturation and atypical cortical processing of spoken sentences in autism spectrum disorder. <b>2021</b> , 203, 102077		0
368	Decreased Alpha Peak Frequency Is Linked to Episodic Memory Impairment in Pathological Aging. <b>2021</b> , 13, 711375		0
367	Sexually dimorphic development in the cortical oscillatory dynamics serving early visual processing. <b>2021</b> , 50, 100968		2
366	Longitudinal consistency of source-space spectral power and functional connectivity using different magnetoencephalography recording systems. <b>2021</b> , 11, 16336		2
365	Theoretical advantages of a triaxial optically pumped magnetometer magnetoencephalography system. <b>2021</b> , 236, 118025		15
364	Musicianship and melodic predictability enhance neural gain in auditory cortex during pitch deviance detection. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 5595-5608	5.9	2
363	Visuospatial alpha and gamma oscillations scale with the severity of cognitive dysfunction in patients on the Alzheimer's disease spectrum. <b>2021</b> , 13, 139		2

362	Cannabis use impacts pre-stimulus neural activity in the visual cortices of people with HIV. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 5446-5457	5.9	3
361	Stress-induced aberrations in sensory processing predict worse cognitive outcomes in healthy aging adults. <b>2021</b> , 13, 19996-20015		1
360	Epidemic models characterize seizure propagation and the effects of epilepsy surgery in individualized brain networks based on MEG and invasive EEG recordings.		
359	Exploring sex differences in alpha brain activity as a potential neuromarker associated with neuropathic pain. <b>2021</b> ,		1
358	Categorical perception and influence of attention on neural consistency in response to speech sounds in adults with dyslexia. <b>2021</b> , 1		
357	Regular recreational Cannabis users exhibit altered neural oscillatory dynamics during attention reorientation. <b>2021</b> , 1-10		2
356	Non-invasively measured brain activity and radiological progression in diffuse glioma. <b>2021</b> , 11, 18990		1
355	Transient neural network dynamics in cognitive ageing. <b>2021</b> , 105, 217-228		7
354	Modulation of Functional Connectivity in Response to Mirror Visual Feedback in Stroke Survivors: An MEG Study. <b>2021</b> , 11,		
353	Peripheral Somatosensory Entrainment Modulates the Cross-Frequency Coupling of Movement-Related Theta-Gamma Oscillations. <b>2021</b> ,		2
352	MEG detection of high frequency oscillations and intracranial-EEG validation in pediatric epilepsy surgery. <b>2021</b> , 132, 2136-2145		0
351	Detection of Mild Cognitive Impairment with MEG Functional Connectivity Using Wavelet-Based Neuromarkers. <b>2021</b> , 21,		1
350	On-scalp magnetoencephalography for childhood epilepsies.		0
349	Categorizing objects from MEG signals using EEGNet.. <b>2022</b> , 16, 365-377		1
348	Auditory word comprehension is less incremental in isolated words.		
347	Data-point-wise spatiotemporal mapping of human ventral visual areas: Use of spatial frequency/luminance-modulated chromatic faces. <b>2021</b> , 239, 118325		
346	Face-selective responses in combined EEG/MEG recordings with fast periodic visual stimulation (FPVS). <b>2021</b> , 242, 118460		2
345	Three-year reliability of MEG resting-state oscillatory power. <b>2021</b> , 243, 118516		5

344	Spontaneous cortical MEG activity undergoes unique age- and sex-related changes during the transition to adolescence. <b>2021</b> , 244, 118552	5
343	The visual cortex produces gamma band echo in response to broadband visual flicker.	
342	From BIDS-Formatted EEG Data to Sensor-Space Group Results: A Fully Reproducible Workflow With EEGLAB and LIMO EEG. <b>2020</b> , 14, 610388	5
341	Inaccurate cortical tracking of speech in adults with impaired speech perception in noise. <b>2021</b> , 3, fcab186	0
340	The impact of mild-to-severe hearing loss on the neural dynamics serving verbal working memory processing in children. <b>2021</b> , 30, 102647	5
339	Oscillatory and structural signatures of language plasticity in brain tumor patients: A longitudinal study. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 1777-1793	5.9 5
338	Novel Noise Reduction Methods. <b>2014</b> , 35-71	4
337	How Does the Brain Represent Visual Scenes? A Neuromagnetic Scene Categorization Study. <b>2012</b> , 93-100	1
336	Awakening after a sleeping pill: Restoring functional brain networks after severe brain injury. <b>2020</b> , 132, 135-146	4
335	Source-level Cortical Power Changes for Xenon and Nitrous Oxide-induced Reductions in Consciousness in Healthy Male Volunteers. <b>2020</b> , 132, 1017-1033	2
334	Sensorimotor Mapping With MEG: An Update on the Current State of Clinical Research and Practice With Considerations for Clinical Practice Guidelines. <b>2020</b> , 37, 564-573	4
333	Recognizing and Correcting MEG Artifacts. <b>2020</b> , 37, 508-517	3
332	The Wisdom and Vision From the ACMEGS Inaugural Decade. <b>2020</b> , 37, 471-482	1
331	From what we perceive to what we remember: Characterizing representational dynamics of visual memorability.	5
330	Havana Syndrome Among Canadian Diplomats: Brain Imaging Reveals Acquired Neurotoxicity.	5
329	Alterations in resting-state network dynamics along the Alzheimer's disease continuum: a combined MEG-PET/MR approach.	2
328	Spatiotemporal whole-brain dynamics of auditory patterns recognition.	4
327	Involuntary shifts of spatial attention contribute to behavioral crossmodal distraction - Evidence from oscillatory alpha power and reaction time data.	2

326	MEG/EEG group study with MNE: recommendations, quality assessments and best practices.	2
325	Beyond Core Object Recognition: Recurrent processes account for object recognition under occlusion.	7
324	Self-similarity and multifractality in human brain activity: a wavelet-based analysis of scale-free brain dynamics?.	2
323	Transformation from auditory to linguistic representations across auditory cortex is rapid and attention dependent for continuous speech.	2
322	Hearing through lip-reading: the brain synthesizes features of absent speech.	3
321	Dynamic Functional Network Connectivity In Schizophrenia With MEG And fMRI, Do Different Time Scales Tell A Different Story?.	2
320	Dysregulated Oscillatory Connectivity in the Visual System in Autism Spectrum Disorder.	3
319	Reliability and Generalizability of Similarity-Based Fusion of MEG and fMRI Data in Human Ventral and Dorsal Visual Streams.	2
318	On-scalp MEG system utilizing an actively shielded array of optically-pumped magnetometers.	5
317	The time-course of component processes of selective attention.	1
316	Genuine cross-frequency coupling networks in human resting-state electrophysiological recordings.	1
315	Neural speech restoration at the cocktail party: Auditory cortex recovers masked speech of both attended and ignored speakers.	4
314	Neural speech restoration at the cocktail party: Auditory cortex recovers masked speech of both attended and ignored speakers. <b>2020</b> , 18, e3000883	17
313	Cognitive and clinical dysfunction, altered MEG resting-state networks and thalamic atrophy in multiple sclerosis. <b>2013</b> , 8, e69318	58
312	Augmented Pain Processing in Primary and Secondary Somatosensory Cortex in Fibromyalgia: A Magnetoencephalography Study Using Intra-Epidermal Electrical Stimulation. <b>2016</b> , 11, e0151776	9
311	Children show right-lateralized effects of spoken word-form learning. <b>2017</b> , 12, e0171034	13
310	A non-invasive, quantitative study of broadband spectral responses in human visual cortex. <b>2018</b> , 13, e0193107	8
309	Non-Invasive Functional-Brain-Imaging with an OPM-based Magnetoencephalography System. <b>2020</b> , 15, e0227684	43

308	Hearing Scenes: A Neuromagnetic Signature of Auditory Source and Reverberant Space Separation. <b>2017</b> , 4,	9
307	Subjective cognitive decline detected by the oscillatory connectivity in the default mode network: a magnetoencephalographic study. <b>2020</b> , 12, 3911-3925	2
306	Modulation of attention networks serving reorientation in healthy aging. <b>2020</b> , 12, 12582-12597	8
305	Vagus nerve stimulation. <b>2008</b> , 2, 375-7; author reply 377	5
304	Magnetoencephalography interictal spike clustering in relation with surgical outcome of cortical dysplasia. <b>2012</b> , 52, 466-71	9
303	Neural tracking of speech mental imagery during rhythmic inner counting. <b>2019</b> , 8,	2
302	Impaired saccadic eye movements in multiple sclerosis are related to altered functional connectivity of the oculomotor brain network. <b>2021</b> , 32, 102848	1
301	Connectomics in Brain Aging and Dementia - The Background and Design of a Study of a Connectome Related to Human Disease. <b>2021</b> , 13, 669490	3
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