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Interpreting magnetic fields of the brain: minimum norm estimates

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#	Paper	IF	Citations
1519	Use of a semiconductor injection laser for intracavity absorption spectroscopy. **1977**, 7, 1488-1490		
1518	Brain activity associated with skilled finger movements: multichannel magnetic recordings. **1991**, 3, 433-9		14
1517	Multichannel SQUID systems for brain research. **1991**, 27, 2786-2792		54
1516	Magnetic Source Imaging.		0
1515	Mathematical aspects of source modeling. **1991**, 491, 70-8; discussion 79		9
1514	Transmission Self-Electro-Optic Effect Devices Based on Wannier-Stark Localization in a GaAs/AlAs Superlattice. **1992**, 31, 2682-2686		6
1513	Magnetic source images determined by a lead-field analysis: the unique minimum-norm least-squares estimation. **1992**, 39, 665-75		230
1512	A random dipole model for spontaneous brain activity. **1992**, 39, 791-804		95
1511	Minimum-norm least-squares estimation: magnetic source images for a spherical model head. **1993**, 40, 387-96		23
1510	Minimum-norm estimation in a boundary-element torso model. *Medical and Biological Engineering and Computing*, **1994**, 32, 43-8	3.1	29
1509	MNLS inverse discriminates between neuronal activity on opposite walls of a simulated sulcus of the brain. **1994**, 41, 470-9		17
1508	An iterative approach on magnetic source imaging within the human cortex--a simulation study. **1995**, 40, 51-7		2
1507	Neuromagnetic source imaging with FOCUSS: a recursive weighted minimum norm algorithm. **1995**, 95, 231-51		381
1506	Improved forward EEG calculations using local mesh refinement of realistic head geometries. **1995**, 95, 381-92		36
1505	Transformation of multichannel magnetocardiographic signals to standard grid form. **1995**, 42, 72-8		57
1504	Visual cortex activation in blind humans during sound discrimination. **1995**, 183, 143-6		146
1503	Distributions and sources of magnetoencephalographic K-complexes. **1996**, 99, 544-55		29

1502	Generalized Wiener estimation of three-dimensional current distribution from biomagnetic measurements. **1996**, 43, 281-91		64
1501	Processing of complex sounds in the human auditory cortex as revealed by magnetic brain responses. **1996**, 33, 369-75		111
1500	Neuronal responses to magnetic stimulation reveal cortical reactivity and connectivity. **1997**, 8, 3537-40		546
1499	The resolution-field concept. **1997**, 102, 326-34		22
1498	Somatosensory evoked magnetic fields to median nerve stimulation: interhemispheric differences in a normal population. **1997**, 104, 480-7		44
1497	Magnetoencephalography. **1997**, 38, 52-57		96
1496	A robust reconstruction of sparse biomagnetic sources. **1997**, 44, 720-6		34
1495	Signal-space projection method for separating MEG or EEG into components. *Medical and Biological Engineering and Computing*, **1997**, 35, 135-40	3.1	536
1494	A critical analysis of linear inverse solutions to the neuroelectromagnetic inverse problem. **1998**, 45, 440-8		128
1493	Dipole separability in a neuromagnetic source analysis. **1998**, 45, 572-81		22
1492	Global optimization in the localization of neuromagnetic sources. **1998**, 45, 716-23		102
1491	Differential characterization of neural sources with the bimodal truncated SVD pseudo-inverse for EEG and MEG measurements. **1998**, 45, 827-38		35
1490	Influence of skull anisotropy for the forward and inverse problem in EEG: simulation studies using FEM on realistic head models. **1998**, 6, 250-69		119
1489	Focusing and targeting of magnetic brain stimulation using multiple coils. *Medical and Biological Engineering and Computing*, **1998**, 36, 297-301	3.1	72
1488	Magnétoencéphalographie / Électroencéphalographie et imagerie cérébrale fonctionnelle. **1998**, 9, 215-226		1
1487	Linear transformations of data space in MEG. **1999**, 44, 2081-97		75
1486	A Bayesian test for the appropriateness of a model in the biomagnetic inverse problem. **1999**, 15, 1439-1454		2
1485	Modeling aspects of bioelectric source imaging. **1999**, 44, 24-34		

1484	Transcranial Magnetic Stimulation: New Modality In Brain Mapping. **1999**, 44, 48-52		
1483	High resolution magnetocardiography for the study of dynamic propagation of excitation sites in rat cardiac muscles. **1999**, 35, 4124-4126		8
1482	Evidence for interhemispheric motor-level transfer in a simple reaction time task: an EEG study. **1999**, 128, 256-61		28
1481	Theory of multichannel magnetic stimulation: toward functional neuromuscular rehabilitation. **1999**, 46, 646-51		26
1480	Activation of multiple cortical areas in response to somatosensory stimulation: combined magnetoencephalographic and functional magnetic resonance imaging. **1999**, 8, 13-27		110
1479	Visualization of magnetoencephalographic data using minimum current estimates. **1999**, 10, 173-80		390
1478	Magnetic Source Imaging. **1999**,		3
1477	Independence: a new criterion for the analysis of the electromagnetic fields in the global brain?. **2000**, 13, 891-907		37
1476	Influence of measurement noise and electrode mislocalisation on EEG dipole-source localisation. *Medical and Biological Engineering and Computing*, **2000**, 38, 287-96	3.1	42
1475	A comparison of iterative minimum norm estimation and current dipole estimation for magnetic field measurements from small animals. **2000**, 36, 3724-3726		3
1474	Cross-modal reorganization of human cortical functions. **2000**, 23, 115-20		154
1473	Multistart algorithms for MEG empirical data analysis reliably characterize locations and time courses of multiple sources. **2000**, 12, 159-72		63
1472	Tangential derivative mapping of axial MEG applied to event-related desynchronization research. **2000**, 111, 1300-5		160
1471	Magnetoencephalography - a noninvasive brain imaging method with 1 ms time resolution. **2001**, 64, 1759-1814		94
1470	Event-related desynchronization during anticipatory attention for an upcoming stimulus: a comparative EEG/MEG study. **2001**, 112, 393-403		89
1469	Cortical current density reconstruction of interictal epileptiform activity in temporal lobe epilepsy. **2001**, 112, 1761-72		39
1468	Ethanol modulates cortical activity: direct evidence with combined TMS and EEG. **2001**, 14, 322-8		79
1467	Detecting and correcting for head movements in neuromagnetic measurements. **2001**, 14, 1424-31		85

1466	Numerical aspects of spatio-temporal current density reconstruction from EEG-/MEG-data. **2001**, 20, 314-24	19
1465	Magnetoencephalography. **2001**, 9131-9137	1
1464	Fast realistic modeling in bioelectromagnetism using lead-field interpolation. **2001**, 14, 48-63	22
1463	The use of an MEG device as 3D digitizer and motion monitoring system. **2001**, 46, 2041-52	37
1462	The localization of spontaneous brain activity: an efficient way to analyze large data sets. **2001**, 48, 1221-8	23
1461	The functional connectivity of the prefrontal cortex studied by combined TMS with EEG. **2001**, 46, 257-259	5
1460	Rejuvenation in the random energy model. **2001**, 56, 181-186	8
1459	Ipsi- and contralateral EEG reactions to transcranial magnetic stimulation. **2002**, 113, 175-84	165
1458	Anatomically informed basis functions for EEG source localization: combining functional and anatomical constraints. **2002**, 16, 678-95	149
1457	Comparison of minimum current estimate and dipole modeling in the analysis of simulated activity in the human visual cortices. **2002**, 16, 936-43	40
1456	Systematic regularization of linear inverse solutions of the EEG source localization problem. **2002**, 17, 287-301	141
1455	EEG responses after magnetic stimulation of prefrontal cortex in healthy subjects. **2002**, 1232, 883-887	
1454	Magnetoencephalographic Characterization of Dynamic Brain Activation: Basic Principles and Methods of Data Collection and Source Analysis. **2002**, 227-253	29
1453	Postprocessing of 3-D current density reconstruction results with equivalent ellipsoids. **2002**, 49, 1379-84	7
1452	Processing of changes in visual speech in the human auditory cortex. **2002**, 13, 417-25	108
1451	How does attention attenuate target-distractor interference in vision?. Evidence from magnetoencephalographic recordings. **2002**, 15, 17-29	77
1450	Memory traces for inflectional affixes as shown by mismatch negativity. **2002**, 15, 1085-91	69
1449	Time-varying current density distributions in the human heart and brain. **2002**, 972, 133-8	2

1448	Cortical operational synchrony during audio-visual speech integration. **2003**, 85, 297-312	55
1447	Dissociation of human and computer voices in the brain: evidence for a preattentive gestalt-like perception. **2003**, 20, 13-21	18
1446	Non-supervised spatio-temporal analysis of interictal magnetic spikes: comparison with intracerebral recordings. **2003**, 114, 438-49	17
1445	Magnetoencephalographic evidence of the interhemispheric asymmetry in echoic memory lifetime and its dependence on handedness and gender. **2003**, 19, 1061-75	15
1444	Automatic processing of grammar in the human brain as revealed by the mismatch negativity. **2003**, 20, 159-72	110
1443	Spatiotemporal dynamics of neural language processing: an MEG study using minimum-norm current estimates. **2003**, 20, 1020-5	105
1442	Language. **2003**, 19, e2511-e2822	
1441	MEG Studies of Visual Processing. **2003**, 93-142	1
1440	Spatiotemporal dynamics of modality-specific and supramodal word processing. **2003**, 38, 487-97	363
1439	Grammar processing outside the focus of attention: an MEG study. **2003**, 15, 1195-206	92
1438	Assessment criteria for MEG/EEG cortical patch tests. **2003**, 48, 2561-73	23
1437	Non-stationary magnetoencephalography by Bayesian filtering of dipole models. **2003**, 19, 1047-1063	44
1436	Alcohol reduces prefrontal cortical excitability in humans: a combined TMS and EEG study. **2003**, 28, 747-54	84
1435	Early influences of word length and frequency: a group study using MEG. **2003**, 14, 1183-7	101
1434	The unique determination of neuronal currents in the brain via magnetoencephalography. **2004**, 20, 1067-1082	71
1433	Transcranial magnetic stimulation: applications for neuropsychopharmacology. **2004**, 18, 257-61	26
1432	Cortical neuromagnetic fields preceding voluntary jaw movements. **2004**, 83, 572-7	19
1431	Attention to features precedes attention to locations in visual search: evidence from electromagnetic brain responses in humans. **2004**, 24, 1822-32	160

1430 Word-specific cortical activity as revealed by the mismatch negativity. **2004**, 41, 106-12 105

1429 Distributed neuronal networks for encoding category-specific semantic information: the mismatch negativity to action words. **2004**, 19, 1083-92 147

1428 Activation in the anterior left auditory cortex associated with phonological analysis of speech input: localization of the phonological mismatch negativity response with MEG. **2004**, 21, 106-13 43

1427 Contactless magnetocardiographic study of ventricular repolarization in intact Wistar rats: evidence of gender-related differences. **2004**, 99, 193-203 13

1426 Neurophysiological distinction of action words in the fronto-central cortex. **2004**, 21, 191-201 247

1425 Magnetoencephalography: an investigational tool or a routine clinical technique?. **2004**, 5, 277-85 16

1424 Neuromagnetic analysis of the late phase of readiness field for hand precision movement using magnetoencephalography. **2004**, 1270, 192-196

1423 Keep it simple: a case for using classical minimum norm estimation in the analysis of EEG and MEG data. **2004**, 21, 1612-21 209

1422 EEG minimum-norm estimation compared with MEG dipole fitting in the localization of somatosensory sources at S1. **2004**, 115, 534-42 39

1421 Evaluation of L1 and L2 minimum norm performances on EEG localizations. **2004**, 115, 1657-68 34

1420 EEG source imaging. **2004**, 115, 2195-222 1240

1419 Motivated attention in emotional picture processing is reflected by activity modulation in cortical attention networks. **2004**, 21, 954-64 85

1418 An integrative MEG-fMRI study of the primary somatosensory cortex using cross-modal correspondence analysis. **2004**, 22, 120-33 44

1417 Dynamics of brain activity in motor and frontal cortical areas during music listening: a magnetoencephalographic study. **2004**, 21, 1622-38 65

1416 Bayesian model averaging in EEG/MEG imaging. **2004**, 21, 1300-19 187

1415 Geometrical interpretation of fMRI-guided MEG/EEG inverse estimates. **2004**, 22, 323-32 66

1414 Cooperation of different neuronal systems during hand sign recognition. **2004**, 23, 25-34 44

1413 Hierarchical Bayesian estimation for MEG inverse problem. **2004**, 23, 806-26 200

1412	Multichannel matching pursuit and EEG inverse solutions. **2005**, 148, 49-59	83
1411	Intracranial EEG substrates of scalp EEG interictal spikes. **2005**, 46, 669-76	308
1410	Cortical activation during Pavlovian fear conditioning depends on heart rate response patterns: an MEG study. **2005**, 25, 459-71	53
1409	Neuromagnetic brain responses to words from semantic sub- and supercategories. **2005**, 6, 57	7
1408	Magnetoencephalography cortical source imaging using spherical mapping. **2005**, 41, 1984-1987	7
1407	Statistical maps for EEG dipolar source localization. **2005**, 52, 401-13	18
1406	Non-invasive estimation of local field potentials for neuroprosthesis control. **2005**, 6, 59-64	27
1405	Electrophysiological Neuroimaging. **2005**, 221-261	21
1404	Presentation of electromagnetic multichannel data: The signal space separation method. **2005**, 97, 124905	210
1403	Short-term episodic memory encoding in the human brain: a magnetoencephalography and electroencephalography study. **2005**,	
1402	Statistical and Computational Inverse Problems. **2005**,	73
1401	Increased MEG activation in OCD reflects a compensatory mechanism specific to the phase of a visual working memory task. **2005**, 24, 1180-91	32
1400	An empirical Bayesian solution to the source reconstruction problem in EEG. **2005**, 24, 997-1011	158
1399	Evaluation of different cortical source localization methods using simulated and experimental EEG data. **2005**, 25, 369-82	111
1398	Effects of language experience: neural commitment to language-specific auditory patterns. **2005**, 26, 703-20	124
1397	Localization of human supratemporal auditory areas from intracerebral auditory evoked potentials using distributed source models. **2005**, 28, 140-53	95
1396	Spatiotemporal Bayesian inference dipole analysis for MEG neuroimaging data. **2005**, 28, 84-98	49
1395	MEG study on neural activities associated with syntactic and semantic violations in spoken Korean sentences. **2005**, 51, 349-57	32

1394	Neural Engineering. **2005**,	36
1393	Emotion and attention: event-related brain potential studies. **2006**, 156, 31-51	589
1392	[Q:] When would you prefer a SOSSAGE to a SAUSAGE? [A:] At about 100 msec. ERP correlates of orthographic typicality and lexicality in written word recognition. **2006**, 18, 818-32	113
1391	Evaluation of EEG localization methods using realistic simulations of interictal spikes. **2006**, 29, 734-53	164
1390	Data-driven parceling and entropic inference in MEG. **2006**, 30, 160-71	23
1389	MEG source localization under multiple constraints: an extended Bayesian framework. **2006**, 30, 753-67	155
1388	EEG-fMRI of epileptic spikes: concordance with EEG source localization and intracranial EEG. **2006**, 30, 1161-70	136
1387	The time course of visual word recognition as revealed by linear regression analysis of ERP data. **2006**, 30, 1383-400	403
1386	Vector-based spatial-temporal minimum L1-norm solution for MEG. **2006**, 31, 1025-37	87
1385	The categorization of natural scenes: brain attention networks revealed by dense sensor ERPs. **2006**, 32, 583-91	73
1384	Neuroimaging methods in affective neuroscience: selected methodological issues. **2006**, 156, 123-43	46
1383	Transcranial Magnetic Stimulation. **2006**,	1
1382	Bioelectricity and Biomagnetism. **2006**,	
1381	Neuromagnetism. 210-267	
1380	Smoothness Constraint For the Estimation of Current Distribution From EEG/MEG Data.	0
1379	The sound of actions as reflected by mismatch negativity: rapid activation of cortical sensory-motor networks by sounds associated with finger and tongue movements. **2006**, 23, 811-21	63
1378	Independent component analysis for synthetic aperture magnetometry in magnetocardiography. **2006**, 36, 253-61	7
1377	Biomagnetism using SQUIDs: status and perspectives. **2006**, 19, S160-S171	99

1376	Localizing complex neural circuits with MEG data. **2006**, 7, 53-9	4
1375	Localizing the distributed language network responsible for the N400 measured by MEG during auditory sentence processing. **2006**, 1096, 163-72	94
1374	Location of brain rhythms and their modulation by preparatory attention estimated by current density. **2006**, 1107, 151-60	36
1373	Musical scale properties are automatically processed in the human auditory cortex. **2006**, 1117, 162-74	131
1372	The novelty value of the combined use of electroencephalography and transcranial magnetic stimulation for neuroscience research. **2006**, 52, 183-92	138
1371	Bayesian spatio-temporal approach for EEG source reconstruction: conciliating ECD and distributed models. **2006**, 53, 503-16	57
1370	Maximum contrast beamformer for electromagnetic mapping of brain activity. **2006**, 53, 1765-74	25
1369	Functional source separation from magnetoencephalographic signals. **2006**, 27, 925-34	35
1368	A theoretical formulation of the electrophysiological inverse problem on the sphere. **2006**, 51, 1737-58	8
1367	The unique determination of the primary current by MEG and EEG. **2006**, 51, 5565-80	1
1366	Cue-invariant networks for figure and background processing in human visual cortex. **2006**, 26, 11695-708	115
1365	Estimation of current density distributions from EEG/MEG data by maximizing sparseness of spatial difference.	
1364	Neurophysiology of implicit timing in serial choice reaction-time performance. **2006**, 26, 5448-55	148
1363	Triggering sleep slow waves by transcranial magnetic stimulation. **2007**, 104, 8496-501	311
1362	Selective visual attention to emotion. **2007**, 27, 1082-9	400
1361	Buzzwords: early cortical responses to emotional words during reading. **2007**, 18, 475-80	316
1360	Mood states modulate activity in semantic brain areas during emotional word encoding. **2007**, 17, 1516-30	67
1359	The influence of semantic processing on phonological decisions in children and adults: a magnetoencephalography (MEG) study. **2007**, 50, 716-31	20

1358	Evaluation of smoothing in an iterative lp-norm minimization algorithm for surface-based source localization of MEG. **2007**, 52, 4791-803	5
1357	Localization of palatal area in human somatosensory cortex. **2007**, 86, 265-70	17
1356	Bayesian EEG dipole source localization using SA-RJMCMC on realistic head model. **2007**, 2007, 4268-72	
1355	Modeling spatiotemporal covariance for magnetoencephalography or electroencephalography source analysis. **2007**, 75, 011928	7
1354	Early MEG activation dynamics in the left temporal and inferior frontal cortex reflect semantic context integration. **2007**, 19, 1633-42	63
1353	Direct reconstruction algorithm of current dipoles for vector magnetoencephalography and electroencephalography. **2007**, 52, 3859-79	27
1352	If-then planning modulates the P300 in children with attention deficit hyperactivity disorder. **2007**, 18, 653-7	26
1351	Cerebral cortical dysfunction in patients with temporomandibular disorders in association with jaw movement observation. **2007**, 128, 180-8	19
1350	The mismatch negativity in cognitive and clinical neuroscience: theoretical and methodological considerations. **2007**, 74, 1-19	370
1349	The cortical generators of P3a and P3b: a LORETA study. **2007**, 73, 220-30	177
1348	Electromagnetic indication of hypervigilant responses to emotional stimuli in blood-injection-injury fear. **2007**, 424, 100-5	16
1347	A new toolbox for combining magnetoencephalographic source analysis and cytoarchitectonic probabilistic data for anatomical classification of dynamic brain activity. **2007**, 34, 1577-87	10
1346	Artifact correction and source analysis of early electroencephalographic responses evoked by transcranial magnetic stimulation over primary motor cortex. **2007**, 37, 56-70	92
1345	A mesostate-space model for EEG and MEG. **2007**, 38, 67-81	30
1344	How the camel lost its hump: the impact of object typicality on event-related potential signals in object decision. **2007**, 19, 1338-53	25
1343	Experience-dependent plasticity of conceptual representations in human sensory-motor areas. **2007**, 19, 525-42	135
1342	Realistic synthetic background neuronal activity for the analysis of MEG probe configurations. **2007** , 2007, 2460-3	2
1341	PARAMETER ESTIMATION AND DYNAMIC SOURCE LOCALIZATION FOR THE MAGNETOENCEPHALOGRAPHY (MEG) INVERSE PROBLEM. **2007**, 2007, 1092-1095	9

1340	Sleep homeostasis and cortical synchronization: III. A high-density EEG study of sleep slow waves in humans. **2007**, 30, 1643-57		272
1339	Functional source separation and hand cortical representation for a brain-computer interface feature extraction. **2007**, 580, 703-21		34
1338	ERP correlates of the bilateral redundancy gain for words. **2007**, 45, 2114-24		23
1337	Effects of phonological contrast on auditory word discrimination in children with and without reading disability: a magnetoencephalography (MEG) study. **2007**, 45, 3251-62		29
1336	A simple method for calculating the depth of EEG sources using minimum norm estimates (MNE). *Medical and Biological Engineering and Computing*, **2007**, 45, 643-52	3.1	5
1335	Neuromagnetic activity during recognition of emotional pictures. **2008**, 20, 192-204		15
1334	Emotion processing in the visual brain: a MEG analysis. **2008**, 20, 205-15		48
1333	Beyond conventional event-related brain potential (ERP): exploring the time-course of visual emotion processing using topographic and principal component analyses. **2008**, 20, 265-77		100
1332	Magnetic nanoparticle imaging by means of minimum norm estimates from remanence measurements. *Medical and Biological Engineering and Computing*, **2008**, 46, 1177-85	3.1	29
1331	Functional source separation applied to induced visual gamma activity. **2008**, 29, 131-41		22
1330	Standard template of adult magnetocardiogram. **2008**, 13, 391-400		12
1329	EEG source localization in focal epilepsy: where are we now?. **2008**, 49, 201-18		161
1328	Representation of the verb's argument-structure in the human brain. **2008**, 9, 69		10
1327	Isolating event-related potential components associated with voluntary control of visuo-spatial attention. **2008**, 1227, 96-109		23
1326	The time course of action and action-word comprehension in the human brain as revealed by neurophysiology. **2008**, 102, 50-8		127
1325	Normalisation and increase of abnormal ERP patterns accompany recovery from aphasia in the post-acute stage. **2008**, 46, 2265-73		19
1324	Intracranial current density (LORETA) differences in QEEG frequency bands between depressed and non-depressed alcoholic patients. **2008**, 119, 948-58		23
1323	Increased biomagnetic activity in the ventral pathway in mild cognitive impairment. **2008**, 119, 1320-7		27

1322	Evaluation of hierarchical Bayesian method through retinotopic brain activities reconstruction from fMRI and MEG signals. **2008**, 42, 1397-413	57
1321	Decomposition of working memory-related scalp ERPs: crossvalidation of fMRI-constrained source analysis and ICA. **2008**, 67, 200-11	19
1320	Head movements of children in MEG: quantification, effects on source estimation, and compensation. **2008**, 40, 541-550	57
1319	Objective phonological and subjective perceptual characteristics of syllables modulate spatiotemporal patterns of superior temporal gyrus activity. **2008**, 40, 1888-901	11
1318	The neuronal sources of EEG: modeling of simultaneous scalp and intracerebral recordings in epilepsy. **2008**, 42, 135-46	59
1317	Combining sparsity and rotational invariance in EEG/MEG source reconstruction. **2008**, 42, 726-38	88
1316	Understanding brain connectivity from EEG data by identifying systems composed of interacting sources. **2008**, 42, 87-98	62
1315	Three-dimensional brain current source reconstruction from intra-cranial ECoG recordings. **2008**, 42, 683-95	56
1314	Early neuronal responses in right limbic structures mediate harmony incongruity processing in musical experts. **2008**, 42, 1597-608	66
1313	Lexical influences on speech perception: a Granger causality analysis of MEG and EEG source estimates. **2008**, 43, 614-23	136
1312	A Rao**B**lackwellized particle filter for magnetoencephalography. **2008**, 24, 025023	23
1311	Combining MRI and VEP imaging to isolate the temporal response of visual cortical areas. **2008**,	
1310	Computed myography: three-dimensional reconstruction of motor functions from surface EMG data. **2008**, 24, 065010	11
1309	Cortical dynamics of anticipatory mechanisms in interception: a neuromagnetic study. **2008**, 20, 1827-38	17
1308	Normal electrocortical facilitation but abnormal target identification during visual sustained attention in schizophrenia. **2008**, 28, 13411-8	36
1307	Solution space reduction in the peripheral nerve source localization problem using forward field similarities. **2008**, 5, 191-202	7
1306	Hypofunction of right temporoparietal cortex during emotional arousal in depression. **2008**, 65, 532-41	101
1305	Particle filters for the magnetoencephalography inverse problem: increasing the efficiency through a semi-analytic approach (Rao**B**lackwellization). **2008**, 124, 012046	1

1304	A comparative analysis of algorithms for the magnetoencephalography inverse problem. **2008**, 135, 012094	2
1303	Aberrant spatiotemporal activation profiles associated with math difficulties in children: a magnetic source imaging study. **2008**, 22, 571-84	14
1302	Primary motor area contribution to attentional reorienting after distraction. **2008**, 19, 443-6	12
1301	Spatiotemporal patterns of brain activation during an action naming task using magnetoencephalography. **2008**, 25, 7-12	20
1300	Early left-hemispheric dysfunction of face processing in congenital prosopagnosia: an MEG study. **2008**, 3, e2326	30
1299	Pragmatic features of the clinical use of MEG/MSI. 47-56	
1298	Measurements of evoked electroencephalograph by transcranial magnetic stimulation applied to motor cortex and posterior parietal cortex. **2009**, 105, 07B321	4
1297	Spatiotemporal signatures of large-scale synfire chains for speech processing as revealed by MEG. **2009**, 19, 79-88	50
1296	Assessing direction-specific adaptation using the steady-state visual evoked potential: results from EEG source imaging. **2009**, 9, 8	43
1295	Inverse computation for cardiac sources using single current dipole and current multipole models. **2009**, 18, 5566-5574	8
1294	EEG/MEG source imaging: methods, challenges, and open issues. **2009**, 656092	63
1293	Right parietal brain activity precedes perceptual alternation of bistable stimuli. **2009**, 19, 55-65	159
1292	Sensory MEG responses predict successful and failed inhibition in a stop-signal task. **2009**, 19, 134-45	58
1291	The center-surround profile of the focus of attention arises from recurrent processing in visual cortex. **2009**, 19, 982-91	55
1290	Non-native phonemes in adult word learning: evidence from the N400m. **2009**, 364, 3697-709	20
1289	Cognitive association formation in episodic memory: evidence from event-related potentials. **2009**, 47, 3162-73	46
1288	Imaging cortical activity following affective stimulation with a high temporal and spatial resolution. **2009**, 10, 83	3
1287	Localization of active pathways in peripheral nerves: a simulation study. **2009**, 17, 53-62	22

1286	Evaluating the performance of Kalman-filter-based EEG source localization. **2009**, 56, 122-36		31
1285	New electroencephalogram (EEG) neuroimaging methods of analyzing brain activity applicable to the study of human sexual response. **2009**, 6, 1830-45		21
1284	Articulatory mediation of speech perception: a causal analysis of multi-modal imaging data. **2009**, 110, 222-36		29
1283	Distinct processing of function verb categories in the human brain. **2009**, 1249, 173-80		9
1282	EEG source imaging with spatio-temporal tomographic nonnegative independent component analysis. **2009**, 30, 1898-910		59
1281	Dynamical MEG source modeling with multi-target Bayesian filtering. **2009**, 30, 1911-21		40
1280	Neural transition from short- to long-term memory and the medial temporal lobe: a human evoked-potential study. **2009**, 19, 371-8		24
1279	Pattern of cortical activation during processing of aversive stimuli in traumatized survivors of war and torture. **2009**, 259, 340-51		45
1278	On the EEG/MEG forward problem solution for distributed cortical sources. *Medical and Biological Engineering and Computing*, **2009**, 47, 1083-91	3.1	9
1277	Implicit and explicit categorization of speech sounds--dissociating behavioural and neurophysiological data. **2009**, 30, 339-46		7
1276	Neural generators of sustained activity differ for stimulus-encoding and delay maintenance. **2009**, 30, 924-33		9
1275	Distributed source modeling of language with magnetoencephalography: application to patients with intractable epilepsy. **2009**, 50, 2256-66		43
1274	Bilateral parietal and contralateral responses during maintenance of unilaterally encoded objects in visual short-term memory: evidence from magnetoencephalography. **2009**, 46, 1090-9		65
1273	Hierarchical Bayesian model for simultaneous EEG source and forward model reconstruction (SOFOMORE). **2009**,		2
1272	Temporal course of word recognition in skilled readers: a magnetoencephalography study. **2009**, 197, 45-54		17
1271	Representation of concurrent stimuli by population activity in visual cortex. **2009**, 64, 931-42		146
1270	The mechanisms of tinnitus: perspectives from human functional neuroimaging. **2009**, 253, 15-31		163
1269	SOFOMORE: Combined EEG source and forward model reconstruction. **2009**,		2

1268	Hierarchical model with piecewise latent process for globally sparse / locally smooth brain generators imaging. **2009**,	
1267	Using ICA and realistic BOLD models to obtain joint EEG/fMRI solutions to the problem of source localization. **2009**, 44, 411-20	24
1266	Source reconstruction of brain electromagnetic fields--source iteration of minimum norm (SIMN). **2009**, 47, 1301-11	1
1265	The impact of hunger on food cue processing: an event-related brain potential study. **2009**, 47, 1819-29	144
1264	Early (M170) activation of face-specific cortex by face-like objects. **2009**, 20, 403-7	98
1263	Patterns of spontaneous magnetoencephalographic activity in patients with schizophrenia. **2010**, 27, 179-90	38
1262	Non-invasive magnetocardiography for the early diagnosis of coronary artery disease in patients presenting with acute chest pain. **2010**, 74, 1424-30	22
1261	Methylphenidate and if-then plans are comparable in modulating the P300 and increasing response inhibition in children with ADHD. **2010**, 2, 115-26	19
1260	A method for the estimation of functional brain connectivity from time-series data. **2010**, 4, 133-49	11
1259	Particle Filters for Magnetoencephalography. **2010**, 17, 213-251	4
1258	Methodology for combined TMS and EEG. **2010**, 22, 233-48	236
1257	Multimodal integration of fMRI and EEG data for high spatial and temporal resolution analysis of brain networks. **2010**, 23, 150-8	25
1256	Magnetoencephalography source localization using the source affine image reconstruction (SAFFIRE) algorithm. **2010**, 57, 1652-62	6
1255	Magnetocardiography Signal Reconstruction With Reduced Source Space Based on Current Source Variance. **2010**, 46, 1203-1207	16
1254	On the characterization of the spatio-temporal profiles of brain activity associated with face naming and the tip-of-the-tongue state: a magnetoencephalographic (MEG) study. **2010**, 48, 1757-66	12
1253	Change and novelty detection in speech and non-speech sound streams. **2010**, 1327, 77-90	33
1252	Attentional demand and processing of relevant visual information during simulated driving: a MEG study. **2010**, 1363, 117-27	19
1251	Generalized spike-wave discharges involve a default mode network in patients with juvenile absence epilepsy: a MEG study. **2010**, 89, 176-84	39

1250	Modeling brain electrical activity by an image-based boundary element method. **2010**, 34, 995-1002	1
1249	Top-down control of visual sensory processing during an ocular motor response inhibition task. **2010**, 47, 1011-8	8
1248	A primer for brain imaging: a tool for evidence-based studies of nutrition?. **2010**, 68 Suppl 1, S29-37	8
1247	The brain in time: insights from neuromagnetic recordings. **2010**, 1191, 89-109	72
1246	Onset timing of cross-sensory activations and multisensory interactions in auditory and visual sensory cortices. **2010**, 31, 1772-82	87
1245	Cognitive Impairments in Schizophrenia as Assessed Through Activation and Connectivity Measures of Magnetoencephalography (MEG) Data. **2010**, 3, 73	31
1244	A fast neural signature of motivated attention to consumer goods separates the sexes. **2010**, 4, 179	15
1243	Magnetoencephalography demonstrates multiple asynchronous generators during human sleep spindles. **2010**, 104, 179-88	50
1242	Preparatory activations across a distributed cortical network determine production of express saccades in humans. **2010**, 30, 7350-7	34
1241	A three-dimensional muscle activity imaging technique for assessing pelvic muscle function. **2010**, 26, 115018	7
1240	Diminished parietal cortex activity associated with poor motion direction discrimination performance in schizophrenia. **2010**, 20, 1749-55	28
1239	Prefrontal dynamics underlying rapid instructed task learning reverse with practice. **2010**, 30, 14245-54	101
1238	The forward and inverse problem of cardiac magnetic fields based on concentric ellipsoid torso-heart model. **2010**, 19, 080601	2
1237	Neuroelectromagnetic correlates of perceptual closure processes. **2010**, 30, 8342-52	68
1236	The effects of visuospatial attention measured across visual cortex using source-imaged, steady-state EEG. **2010**, 10,	32
1235	Windows on the human body--in vivo high-field magnetic resonance research and applications in medicine and psychology. **2010**, 10, 5724-57	10
1234	New names for known things: on the association of novel word forms with existing semantic information. **2010**, 22, 1251-61	52
1233	Mandatory processing of irrelevant fearful face features in visual search. **2010**, 22, 2926-38	33

1232	Early processing of threat cues in posttraumatic stress disorder-evidence for a cortical vigilance-avoidance reaction. **2010**, 68, 451-8	55
1231	Mismatch negativity: a tool for studying morphosyntactic processing?. **2010**, 121, 1751-9	3
1230	From EEG to BOLD: brain mapping and estimating transfer functions in simultaneous EEG-fMRI acquisitions. **2010**, 50, 1416-26	15
1229	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
1228	Neuronal synchrony reveals working memory networks and predicts individual memory capacity. **2010**, 107, 7580-5	395
1227	Processing of existing, synonymous, and anomalous German derived adjectives: an MEG study. **2010**, 469, 107-11	22
1226	Adverse experiences in childhood influence brain responses to emotional stimuli in adult psychiatric patients. **2010**, 75, 277-86	16
1225	The N400-concreteness effect reflects the retrieval of semantic information during the preparation of meaningful actions. **2010**, 85, 134-42	27
1224	Event-related components of the punishment and reward sensitivity. **2010**, 121, 60-76	70
1223	The folding fingerprint of visual cortex reveals the timing of human V1 and V2. **2010**, 49, 2494-502	28
1222	Improving human brain mapping via joint inversion of brain electrodynamics and the BOLD signal. **2010**, 49, 2401-15	12
1221	Graph properties of synchronized cortical networks during visual working memory maintenance. **2010**, 49, 3257-68	115
1220	Propagation of epileptic spikes reconstructed from spatiotemporal magnetoencephalographic and electroencephalographic source analysis. **2010**, 50, 217-22	55
1219	Cortical reactivity and effective connectivity during REM sleep in humans. **2010**, 1, 176-183	130
1218	Interactions between language and attention systems: early automatic lexical processing?. **2010**, 22, 1465-78	60
1217	Object-based attentional modulation of biological motion processing: spatiotemporal dynamics using functional magnetic resonance imaging and electroencephalography. **2010**, 30, 9064-73	32
1216	3D Internal Muscle Activities Imaging Based on Multi-Channel Surface EMG Recordings: Surface EMG-Based Muscles Activities Imaging Technique. **2010**,	1
1215	Brainstorm: a user-friendly application for MEG/EEG analysis. **2011**, 2011, 879716	1585

1214	Engagement of temporal lobe regions predicts response to educational interventions in adolescent struggling readers. **2011**, 36, 869-88	12
1213	Abnormalities of neuronal oscillations and temporal integration to low- and high-frequency auditory stimulation in schizophrenia. **2011**, 69, 989-96	103
1212	Accurate reconstruction of temporal correlation for neuronal sources using the enhanced dual-core MEG beamformer. **2011**, 56, 1918-28	21
1211	Localization of cortico-peripheral coherence with electroencephalography. **2011**, 57, 1348-57	50
1210	Dual-Core Beamformer for obtaining highly correlated neuronal networks in MEG. **2011**, 54, 253-63	54
1209	Large-scale EEG/MEG source localization with spatial flexibility. **2011**, 54, 851-9	74
1208	Tracking cortical activity from M/EEG using graph cuts with spatiotemporal constraints. **2011**, 54, 1930-41	4
1207	Decoding word and category-specific spatiotemporal representations from MEG and EEG. **2011**, 54, 3028-39	86
1206	Bayesian symmetrical EEG/fMRI fusion with spatially adaptive priors. **2011**, 55, 113-32	28
1205	Event-related potentials reflecting the frequency of unattended spoken words: a neuronal index of connection strength in lexical memory circuits?. **2011**, 55, 658-68	41
1204	Penalized least squares regression methods and applications to neuroimaging. **2011**, 55, 1519-27	93
1203	Localization of cortical phase and amplitude dynamics during visual working memory encoding and retention. **2011**, 31, 5013-25	124
1202	Increased biomagnetic activity in healthy elderly with subjective memory complaints. **2011**, 122, 499-505	27
1201	Emotionally positive stimuli facilitate lexical decisions-an ERP study. **2011**, 86, 254-64	58
1200	Age effects on retroactive interference during working memory maintenance. **2011**, 88, 72-82	22
1199	FieldTrip: Open source software for advanced analysis of MEG, EEG, and invasive electrophysiological data. **2011**, 2011, 156869	4747
1198	Tracking the time course of action priming on object recognition: evidence for fast and slow influences of action on perception. **2011**, 23, 1864-74	56
1197	The evolution of meaning: spatio-temporal dynamics of visual object recognition. **2011**, 23, 1887-99	80

1196	Probing of Brain States in Real-Time: Introducing the ConSole Environment. **2011**, 2, 36	21
1195	Neurophysiological influence of musical training on speech perception. **2011**, 2, 126	40
1194	The timing and strength of regional brain activation associated with word recognition in children with reading difficulties. **2011**, 5, 45	9
1193	"What" and "where" in auditory sensory processing: a high-density electrical mapping study of distinct neural processes underlying sound object recognition and sound localization. **2011**, 5, 23	16
1192	Magnetoencephalography study of right parietal lobe dysfunction of the evoked mirror neuron system in antipsychotic-free schizophrenia. **2011**, 6, e28087	25
1191	Realignment of magnetoencephalographic data for group analysis in the sensor domain. **2011**, 28, 190-201	9
1190	Brain activity patterns in stable and progressive mild cognitive impairment during working memory as evidenced by magnetoencephalography. **2011**, 28, 202-9	18
1189	Time course of electromagnetic activity associated with detection of rare events. **2011**, 22, 136-40	1
1188	Functional disruption of the brain mechanism for reading: effects of comorbidity and task difficulty among children with developmental learning problems. **2011**, 25, 520-34	24
1187	Brain mechanisms for reading and language processing in spina bifida meningomyelocele: a combined magnetic source- and structural magnetic resonance imaging study. **2011**, 25, 590-601	3
1186	Neural correlates of sentence reading in children with reading difficulties. **2011**, 22, 674-8	5
1185	A mutual information analysis of neural coding of speech by low-frequency MEG phase information. **2011**, 106, 554-63	47
1184	STATE-SPACE SOLUTIONS TO THE DYNAMIC MAGNETOENCEPHALOGRAPHY INVERSE PROBLEM USING HIGH PERFORMANCE COMPUTING. **2011**, 5, 1207-1228	26
1183	Neural coding of formant-exaggerated speech in the infant brain. **2011**, 14, 566-81	59
1182	ERP measures indicate both attention and working memory encoding decrements in aging. **2011**, 48, 601-11	69
1181	Conflict and cognitive control during sentence comprehension: recruitment of a frontal network during the processing of Spanish object-first sentences. **2011**, 49, 382-91	6
1180	Age-related occipito-temporal hypoactivation during visual search: relationships between mN2pc sources and performance. **2011**, 49, 858-865	13
1179	Effects of language comprehension on visual processing - MEG dissociates early perceptual and late N400 effects. **2011**, 116, 91-6	21

1178 Neural generators underlying concurrent sound segregation. **2011**, 1387, 116-24 19

1177 Right hemisphere has the last laugh: neural dynamics of joke appreciation. **2011**, 11, 113-30 56

1176 Simultaneous EEG Source and Forward Model Reconstruction (SOFOMORE) Using a Hierarchical Bayesian Approach. **2011**, 65, 431-444 8

1175 Quellenanalyse epileptischer Aktivit□. **2011**, 24, 269-278 2

1174 Anatomically constrained minimum variance beamforming applied to EEG. **2011**, 214, 515-28 20

1173 Automatic classification of artifactual ICA-components for artifact removal in EEG signals. **2011**, 7, 30 347

1172 Improving the interpretability of all-to-all pairwise source connectivity analysis in MEG with nonhomogeneous smoothing. **2011**, 32, 426-37 14

1171 Emergence of synchronous EEG spindles from asynchronous MEG spindles. **2011**, 32, 2217-27 42

1170 Rapid consolidation and the human hippocampus: intracranial recordings confirm surface EEG. **2011**, 21, 689-93 30

1169 EEG and MEG data analysis in SPM8. **2011**, 2011, 852961 398

1168 ElectroMagnetoEncephalography software: overview and integration with other EEG/MEG toolboxes. **2011**, 2011, 861705 163

1167 Highly Automated Dipole EStimation (HADES). **2011**, 2011, 982185 15

1166 A signal-processing pipeline for magnetoencephalography resting-state networks. **2011**, 1, 49-59 71

1165 Sparsity-driven spatio-temporal EEG source estimation. **2011**,

1164 Forward simulation and inverse dipole localization with the lowest order Raviart□homas elements for electroencephalography. **2011**, 27, 045003 18

1163 Task-related MEG source localization via discriminant analysis. **2011**, 2011, 2351-4 1

1162 Source localization in electromyography using the inverse potential problem. **2011**, 27, 025008 18

1161 Neuropsychiatry and quantitative EEG in the 21st Century. **2011**, 1, 495-514 12

1160	ERP dynamics underlying successful directed forgetting of neutral but not negative pictures. **2011**, 6, 450-9	66
1159	Differential electrophysiological coupling for positive and negative BOLD responses during unilateral hand movements. **2011**, 31, 9585-93	38
1158	The sound of consciousness: neural underpinnings of auditory perception. **2011**, 31, 16611-8	30
1157	Multimodal quantitative neuroimaging databases and methods: the Cuban Human Brain Mapping Project. **2011**, 42, 149-59	32
1156	Cardiac magnetic source imaging based on current multipole model. **2011**, 20, 010702	5
1155	Temporo-parietal brain activity as a longitudinal predictor of response to educational interventions among middle school struggling readers. **2011**, 17, 875-85	29
1154	Emotion-associated tones attract enhanced attention at early auditory processing: magnetoencephalographic correlates. **2011**, 31, 7801-10	57
1153	Scene identification and emotional response: which spatial frequencies are critical?. **2011**, 31, 17052-7	29
1152	An early category-specific neural response for the perception of both places and faces. **2012**, 3, 45-51	11
1151	Human neural responses involved in spatial pooling of locally ambiguous motion signals. **2012**, 107, 3493-508	14
1150	Spatiotemporal dynamics of feature-based attention spread: evidence from combined electroencephalographic and magnetoencephalographic recordings. **2012**, 32, 9671-6	8
1149	Distinct effects of attention on the neural responses to form and motion processing: a SSVEP source-imaging study. **2012**, 12, 15	15
1148	Electro-magneto-encephalography for the three-shell model: numerical implementation via splines for distributed current in spherical geometry. **2012**, 28, 035009	16
1147	Electro-magneto-encephalography for the three-shell model: minimal L 2 -norm in spherical geometry. **2012**, 28, 035010	2
1146	Age-related effects in working memory recognition modulated by retroactive interference. **2012**, 67, 565-72	19
1145	Eye movements modulate the spatiotemporal dynamics of word processing. **2012**, 32, 4482-94	4
1144	Multimodal imaging of spike propagation: a technical case report. **2012**, 33, E82-4	15
1143	Rapid and highly resolving: affective evaluation of olfactorily conditioned faces. **2012**, 24, 17-27	64

1142	Closing the gates to consciousness: distractors activate a central inhibition process. **2012**, 24, 1294-304	14
1141	Effect of sleep deprivation on estimated distributed sources for Scalp EEG signals: A case study on human drivers. **2012**,	5
1140	Evaluations of sparse source imaging and minimum norm estimate methods in both simulation and clinical MEG data. **2012**, 2012, 6744-7	1
1139	Spatiotemporal Searchlight Representational Similarity Analysis in EMEG Source Space. **2012**,	17
1138	An evaluation of EEG scanner's dependence on the imaging technique, forward model computation method, and array dimensionality. **2012**, 2012, 1538-41	3
1137	Pre-cue fronto-occipital alpha phase and distributed cortical oscillations predict failures of cognitive control. **2012**, 32, 7034-41	33
1136	Grouped L0 least squares penalised Magnetoencephalography. **2012**,	1
1135	Recovery of cortical effective connectivity and recovery of consciousness in vegetative patients. **2012**, 135, 1308-20	285
1134	Reading, Writing, Mathematics and the Developing Brain: Listening to Many Voices. **2012**,	1
1133	A New Weighted Correlation Coefficient Method to Evaluate Reconstructed Brain Electrical Sources. **2012**, 2012, 1-11	1
1132	Simultaneous measurement of neuronal activity and cortical hemodynamics by unshielded magnetoencephalography and near-infrared spectroscopy. **2012**, 17, 107001	10
1131	Algorithm for estimation of brain structural location from head surface shape in young children. **2012**, 23, 299-303	4
1130	Gamma phase locking modulated by phonological contrast during auditory comprehension in reading disability. **2012**, 23, 851-6	13
1129	MEG and EEG: source estimation. 257-286	5
1128	Attention to language: novel MEG paradigm for registering involuntary language processing in the brain. **2012**, 50, 2605-16	28
1127	A fast iterative greedy algorithm for MEG source localization. **2012**, 2012, 6748-51	3
1126	Improved surface Laplacian estimates of cortical potential using realistic models of head geometry. **2012**, 59, 2979-85	16
1125	Variable bandwidth filtering for improved sensitivity of cross-frequency coupling metrics. **2012**, 2, 155-63	41

1124	Selection of independent components based on cortical mapping of electromagnetic activity. **2012**, 9, 056006	3
1123	Mixed-norm estimates for the M/EEG inverse problem using accelerated gradient methods. **2012**, 57, 1937-61	112
1122	Neural decoding of unilateral upper limb movements using single trial MEG signals. **2012**, 1468, 29-37	21
1121	Publication criteria for evoked magnetic fields of the human brain: a proposal. **2012**, 123, 2116-21	4
1120	Neural correlates of written emotion word processing: a review of recent electrophysiological and hemodynamic neuroimaging studies. **2012**, 122, 211-26	303
1119	A spatiotemporal dynamic distributed solution to the MEG inverse problem. **2012**, 63, 894-909	42
1118	Magnetoencephalography: From SQUIDs to neuroscience. Neuroimage 20th anniversary special edition. **2012**, 61, 386-96	158
1117	MEG evoked responses and rhythmic activity provide spatiotemporally complementary measures of neural activity in language production. **2012**, 60, 29-36	27
1116	Performance evaluation of the Champagne source reconstruction algorithm on simulated and real M/EEG data. **2012**, 60, 305-23	53
1115	Enhanced early-latency electromagnetic activity in the left premotor cortex is associated with successful phonetic categorization. **2012**, 60, 1937-46	30
1114	Hierarchical Bayesian inference for the EEG inverse problem using realistic FE head models: depth localization and source separation for focal primary currents. **2012**, 61, 1364-82	56
1113	Tracking neural coding of perceptual and semantic features of concrete nouns. **2012**, 62, 451-63	77
1112	A K-means multivariate approach for clustering independent components from magnetoencephalographic data. **2012**, 62, 1912-23	19
1111	Reward modulates the neural dynamics of early visual category processing. **2012**, 63, 1614-22	12
1110	Methods for simultaneous EEG-fMRI: an introductory review. **2012**, 32, 6053-60	189
1109	Machine Learning and Interpretation in Neuroimaging. **2012**,	2
1108	The impact of acute psychosocial stress on magnetoencephalographic correlates of emotional attention and exogenous visual attention. **2012**, 7, e35767	15
1107	Harmony: EEG/MEG linear inverse source reconstruction in the anatomical basis of spherical harmonics. **2012**, 7, e44439	14

1106	Time-delayed mutual information of the phase as a measure of functional connectivity. **2012**, 7, e44633	15
1105	Investigating the features of the m170 in congenital prosopagnosia. **2012**, 6, 45	29
1104	Non-parametric statistical thresholding for sparse magnetoencephalography source reconstructions. **2012**, 6, 186	5
1103	Rhythm evokes action: early processing of metric deviances in expressive music by experts and laymen revealed by ERP source imaging. **2012**, 33, 2751-67	18
1102	Beta oscillations relate to the N400m during language comprehension. **2012**, 33, 2898-912	94
1101	Ultra-rapid access to words in the brain. **2012**, 3, 711	119
1100	Inverse source imaging methods in recovering distributed brain sources. **2012**, 2, 2-7	2
1099	MEG-SIM: a web portal for testing MEG analysis methods using realistic simulated and empirical data. **2012**, 10, 141-58	28
1098	Concordance of MEG and fMRI patterns in adolescents during verb generation. **2012**, 1447, 79-90	14
1097	A state-space modeling approach for localization of focal current sources from MEG. **2012**, 59, 1561-71	22
1096	Hybrid ultra-low-field MRI and magnetoencephalography system based on a commercial whole-head neuromagnetometer. **2013**, 69, 1795-804	90
1095	EEG/MEG source reconstruction with spatial-temporal two-way regularized regression. **2013**, 11, 477-93	2
1094	Auditory magnetic response to clicks in children and adults: its components, hemispheric lateralization and repetition suppression effect. **2013**, 26, 410-27	17
1093	Neural Engineering. **2013**,	15
1092	The effect of imagination on stimulation: the functional specificity of efference copies in speech processing. **2013**, 25, 1020-36	78
1091	Increased brain responses during subjectively-matched mechanical pain stimulation in fibromyalgia patients as evidenced by MEG. **2013**, 124, 752-60	14
1090	Past tense in the brain's time: neurophysiological evidence for dual-route processing of past-tense verbs. **2013**, 71, 187-95	22
1089	Effects of aging on neuromagnetic mismatch responses to pitch changes. **2013**, 544, 20-4	24

1088	Rapid and highly resolving associative affective learning: convergent electro- and magnetoencephalographic evidence from vision and audition. **2013**, 92, 526-40	46
1087	Electromagnetic tomography via source-space-ICA. **2013**, 2013, 37-40	2
1086	M/EEG imaging by learning mean norms in brain tiles. **2013**,	
1085	Influence of a silastic ECoG grid on EEG/ECoG based source analysis. **2013**, 26, 212-28	14
1084	Spatio-temporal regularization in linear distributed source reconstruction from EEG/MEG: a critical evaluation. **2013**, 26, 229-46	16
1083	Wavelet-based sparse source imaging in localizing epileptic sources for partial epilepsy. **2013**,	
1082	The time course of shape discrimination in the human brain. **2013**, 67, 77-88	27
1081	Time-frequency mixed-norm estimates: sparse M/EEG imaging with non-stationary source activations. **2013**, 70, 410-22	139
1080	Minimum-norm cortical source estimation in layered head models is robust against skull conductivity error. **2013**, 81, 265-272	35
1079	Prior knowledge on cortex organization in the reconstruction of source current densities from EEG. **2013**, 67, 7-24	13
1078	Effects of sutures and fontanels on MEG and EEG source analysis in a realistic infant head model. **2013**, 76, 282-93	68
1077	Left hemisphere lateralization for lexical and acoustic pitch processing in Cantonese speakers as revealed by mismatch negativity. **2013**, 83, 637-45	45
1076	Localization of the ictal onset zone with MEG using minimum norm estimate of a narrow band at seizure onset versus standard single current dipole modeling. **2013**, 124, 1915-8	8
1075	Minimum norm estimates in MEG can delineate the onset of interictal epileptic discharges: A comparison with ECoG findings. **2013**, 2, 663-9	18
1074	Reproducible paired sources from concurrent EEG-fMRI data using BICAR. **2013**, 219, 205-19	3
1073	Early prefrontal activation as a mechanism to prevent forgetting in the context of interference. **2013**, 21, 580-8	4
1072	Source reconstruction based on subdural EEG recordings adds to the presurgical evaluation in refractory frontal lobe epilepsy. **2013**, 124, 481-91	32
1071	Neural correlates of somatosensory paired-pulse suppression: a MEG study using distributed source modeling and dynamic spectral power analysis. **2013**, 72, 133-42	26

1070	Online and offline tools for head movement compensation in MEG. **2013**, 68, 39-48	133
1069	Visual input enhances selective speech envelope tracking in auditory cortex at a "cocktail party". **2013**, 33, 1417-26	136
1068	Affect-specific modulation of the N1m to shock-conditioned tones: magnetoencephalographic correlates. **2013**, 37, 303-15	14
1067	Frequency specific interactions of MEG resting state activity within and across brain networks as revealed by the multivariate interaction measure. **2013**, 79, 172-83	91
1066	Functional brain network organisation of children between 2 and 5 years derived from reconstructed activity of cortical sources of high-density EEG recordings. **2013**, 82, 595-604	34
1065	A switching multi-scale dynamical network model of EEG/MEG. **2013**, 83, 262-87	16
1064	The neural basis of cognitive change: reappraisal of emotional faces modulates neural source activity in a frontoparietal attention network. **2013**, 81, 15-25	35
1063	DYNAMO: concurrent dynamic multi-model source localization method for EEG and/or MEG. **2013**, 212, 28-42	5
1062	The cortical dynamics underlying effective switching of auditory spatial attention. **2013**, 64, 365-70	38
1061	Co-localizing linguistic and musical syntax with intracranial EEG. **2013**, 64, 134-46	43
1060	Good practice for conducting and reporting MEG research. **2013**, 65, 349-63	412
1059	Mne-X: MEG/EEG Real-Time Acquisition, Real-Time Processing, and Real-Time Source Localization Framework. **2013**, 58 Suppl 1,	6
1058	Time-constrained functional connectivity analysis of cortical networks underlying phonological decoding in typically developing school-aged children: a magnetoencephalography study. **2013**, 125, 156-64	12
1057	A critical assessment of connectivity measures for EEG data: a simulation study. **2013**, 64, 120-33	207
1056	Language lateralization represented by spatiotemporal mapping of magnetoencephalography. **2013**, 34, 558-63	36
1055	Trans□ophageales Interventriku□es Delay bei Vorhofflimmern und Kardialer Resynchronisation. **2013**, 58 Suppl 1,	
1054	Sparse MEG source imaging for reconstructing dynamic sources of interictal spikes in partial epilepsy. **2013**, 30, 313-28	6
1053	Computing sources of epileptic discharges using the novel BMA approach: comparison with other distributed inverse solution methods. **2013**, 44, 3-15	1

1052	A fast statistical significance test for baseline correction and comparative analysis in phase locking. **2013**, 7, 3	4
1051	Reducing the effect of correlated brain sources in MEG using a linearly constrained spatial filter based on Minimum Norm. **2013**,	
1050	Identifying causal networks of neuronal sources from EEG/MEG data with the phase slope index: a simulation study. **2013**, 58, 165-78	12
1049	An online system for neuroelectromagnetic source imaging. **2013**,	1
1048	Two-way regularization for MEG source reconstruction via multilevel coordinate descent. **2013**, 6, 545-556	3
1047	Preferential responses to extinguished face stimuli are preserved in frontal and occipito-temporal cortex at initial but not later stages of processing. **2013**, 50, 230-9	6
1046	Learning-induced modulation of scale-free properties of brain activity measured with MEG. **2013**,	7
1045	Subjective rating of weak tactile stimuli is parametrically encoded in event-related potentials. **2013**, 33, 11878-87	33
1044	The definite non-uniqueness results for deterministic EEG and MEG data. **2013**, 29, 065012	13
1043	Auditory magnetic evoked responses. **2013**, 253-270	1
1042	Early auditory change detection implicitly facilitated by ignored concurrent visual change during a Braille reading task. **2013**, 12, 385-99	2
1041	EEG Source Localization. **2013**, 197-218	2
1040	Load dependence of and oscillations predicts individual capacity of visual attention. **2013**, 33, 19023-33	40
1039	Dynamic filtering of static dipoles in magnetoencephalography. **2013**, 7,	14
1038	A Bayesian linear model for the high-dimensional inverse problem of seismic tomography. **2013**, 7,	4
1037	How to detect amygdala activity with magnetoencephalography using source imaging. **2013**,	19
1036	Dipole source localization of mouse electroencephalogram using the Fieldtrip toolbox. **2013**, 8, e79442	12
1035	Rapid extraction of lexical tone phonology in Chinese characters: a visual mismatch negativity study. **2013**, 8, e56778	11

1034	MEG evidence for dynamic amygdala modulations by gaze and facial emotions. **2013**, 8, e74145	40
1033	Effects of spatial pattern scale of brain activity on the sensitivity of DOT, fMRI, EEG and MEG. **2013**, 8, e83299	4
1032	A large N400 but no BOLD effect--comparing source activations of semantic priming in simultaneous EEG-fMRI. **2013**, 8, e84029	29
1031	Dissociating neuronal gamma-band activity from cranial and ocular muscle activity in EEG. **2013**, 7, 338	131
1030	Task modulation of brain responses in visual word recognition as studied using EEG/MEG and fMRI. **2013**, 7, 376	31
1029	Multisensory integration of dynamic emotional faces and voices: method for simultaneous EEG-fMRI measurements. **2013**, 7, 729	9
1028	Neural dynamics of inflectional and derivational processing in spoken word comprehension: laterality and automaticity. **2013**, 7, 759	15
1027	MEG and EEG data analysis with MNE-Python. **2013**, 7, 267	802
1026	The lost honor of ℓ2-based regularization. **2013**, 181-203	7
1025	Transcranial Magnetic Stimulation and Neuroimaging Coregistration. **2013**,	
1024	The Connectome Visualization Utility: software for visualization of human brain networks. **2014**, 9, e113838	20
1023	The smartphone brain scanner: a portable real-time neuroimaging system. **2014**, 9, e86733	76
1022	Different hemispheric roles in recognition of happy expressions. **2014**, 9, e88628	10
1021	Rapid amygdala responses during trace fear conditioning without awareness. **2014**, 9, e96803	20
1020	Rapid plasticity in the prefrontal cortex during affective associative learning. **2014**, 9, e110720	22
1019	Brain networks supporting perceptual grouping and contour selection. **2014**, 5, 264	24
1018	Does IQ affect the functional brain network involved in pseudoword reading in students with reading disability? A magnetoencephalography study. **2014**, 7, 932	11
1017	Potential Use of MEG to Understand Abnormalities in Auditory Function in Clinical Populations. **2014**, 8, 151	4

1016	Localization of the epileptogenic foci in tuberous sclerosis complex: a pediatric case report. **2014**, 8, 175	21
1015	Cortical somatosensory reorganization in children with spastic cerebral palsy: a multimodal neuroimaging study. **2014**, 8, 725	64
1014	Anterior insular cortex activity to emotional salience of voices in a passive oddball paradigm. **2014**, 8, 743	17
1013	Cortical activity associated with the detection of temporal gaps in tones: a magnetoencephalography study. **2014**, 8, 763	8
1012	Cortical organization of language pathways in children with non-localized cryptogenic epilepsy. **2014**, 8, 808	
1011	Spatio-temporal dynamics and laterality effects of face inversion, feature presence and configuration, and face outline. **2014**, 8, 868	2
1010	A time-frequency analysis of the dynamics of cortical networks of sleep spindles from MEG-EEG recordings. **2014**, 8, 310	23
1009	Improving spatial localization in MEG inverse imaging by leveraging intersubject anatomical differences. **2014**, 8, 330	12
1008	Mapping tonotopic organization in human temporal cortex: representational similarity analysis in EMEG source space. **2014**, 8, 368	14
1007	Measuring auditory selective attention using frequency tagging. **2014**, 8, 6	32
1006	Bioelectric Measurements: Magnetoencephalography. **2014**, 47-72	3
1005	MEG evidence for conceptual combination but not numeral quantification in the left anterior temporal lobe during language production. **2014**, 5, 524	33
1004	Enhanced neural synchrony between left auditory and premotor cortex is associated with successful phonetic categorization. **2014**, 5, 394	27
1003	The application of electro- and magneto-encephalography in tinnitus research - methods and interpretations. **2014**, 5, 228	34
1002	Estimation of neuromagnetic sources using a REwheighted, STandardized, Recursively Iterated Cerebral Tomography Algorithm (RESTRICTA). **2014**,	
1001	Brain source localization techniques: Evaluation study using simulated EEG data. **2014**,	1
1000	Correspondence of electroencephalography and near-infrared spectroscopy sensitivities to the cerebral cortex using a high-density layout. **2014**, 1, 025001	11
999	Estimation of Regional Activation Maps and Interdependencies from Minimum Norm Estimates of Magnetoencephalography (MEG) Data. **2014**, 267-289	

998	A variational Bayes spatiotemporal model for electromagnetic brain mapping. **2014**, 70, 132-43	14
997	How 'love' and 'hate' differ from 'sleep': using combined electro/magnetoencephalographic data to reveal the sources of early cortical responses to emotional words. **2014**, 35, 875-88	46
996	Concurrent stable and unstable cortical correlates of human wrist movements. **2014**, 35, 3867-79	2
995	Comparison of minimum-norm estimation and beamforming in electrocardiography with acute ischemia. **2014**, 35, 623-38	2
994	Investigations of sensitivity and resolution of ECG and MCG in a realistically shaped thorax model. **2014**, 59, 7141-58	10
993	Optimizing the regularization for image reconstruction of cerebral diffuse optical tomography. **2014**, 19, 96006	28
992	Rapid emotional processing in relation to trauma-related symptoms as revealed by magnetic source imaging. **2014**, 14, 193	7
991	. **2014**,	
990	Electroencephalography-based real-time cortical monitoring system that uses hierarchical Bayesian estimations for the brain-machine interface. **2014**, 31, 218-28	1
989	The use of magnetoencephalography in the study of psychopharmacology (pharmaco-MEG). **2014**, 28, 815-29	25
988	Impact of SQUIDs on functional imaging in neuroscience. **2014**, 27, 044004	4
987	Information content with low- vs. high-T(c) SQUID arrays in MEG recordings: the case for high-T(c) SQUID-based MEG. **2014**, 222, 42-6	33
986	Spatio-temporal processing of words and nonwords: hemispheric laterality and acute alcohol intoxication. **2014**, 1558, 18-32	9
985	Switching auditory attention using spatial and non-spatial features recruits different cortical networks. **2014**, 84, 681-7	30
984	Distinguishable neural correlates of verbs and nouns: a MEG study on homonyms. **2014**, 54, 87-97	15
983	Clinical value of magnetoencephalographic spike propagation represented by spatiotemporal source analysis: correlation with surgical outcome. **2014**, 108, 280-8	20
982	Brain routes for reading in adults with and without autism: EMEG evidence. **2014**, 44, 137-53	13
981	Smartphones as pocketable labs: visions for mobile brain imaging and neurofeedback. **2014**, 91, 54-66	40

980	Sparse weightings for collapsing inverse solutions to cortical parcellations optimize M/EEG source reconstruction accuracy. **2014**, 226, 147-160	29
979	Reconstructing spatially extended brain sources via enforcing multiple transform sparseness. **2014**, 86, 280-93	46
978	A chloroplast retrograde signal regulates nuclear alternative splicing. **2014**, 344, 427-30	135
977	Bayesian model selection of template forward models for EEG source reconstruction. **2014**, 93 Pt 1, 11-22	17
976	Automatic ultrarapid activation and inhibition of cortical motor systems in spoken word comprehension. **2014**, 111, E1918-23	78
975	Intersubject consistency of cortical MEG signals during movie viewing. **2014**, 92, 217-24	58
974	Neural mechanisms of object-based attention. **2014**, 344, 424-7	322
973	Evidence for rapid prefrontal emotional evaluation from visual evoked responses to conditioned gratings. **2014**, 99, 125-36	18
972	A Subspace Pursuit-based Iterative Greedy Hierarchical solution to the neuromagnetic inverse problem. **2014**, 87, 427-43	29
971	MNE software for processing MEG and EEG data. **2014**, 86, 446-60	831
970	Neural dynamics of speech act comprehension: an MEG study of naming and requesting. **2014**, 27, 375-92	36
969	Robust artifactual independent component classification for BCI practitioners. **2014**, 11, 035013	164
968	Using Structural Equation Modeling to Assess Functional Connectivity in the Brain: Power and Sample Size Considerations. **2014**, 74, 733-758	131
967	Producing speech with a newly learned morphosyntax and vocabulary: an magnetoencephalography study. **2014**, 26, 1721-35	5
966	Structured sparse-low rank matrix factorization for the EEG inverse problem. **2014**,	
965	The neural generators of the mismatch responses to Mandarin lexical tones: an MEG study. **2014**, 1582, 154-66	18
964	Inhibitory repetitive transcranial magnetic stimulation (rTMS) of the dorsolateral prefrontal cortex modulates early affective processing. **2014**, 101, 193-203	45
963	A statistically robust EEG re-referencing procedure to mitigate reference effect. **2014**, 235, 101-16	19

962	Multiple sparse volumetric priors for distributed EEG source reconstruction. **2014**, 100, 715-24	5
961	Simultaneous subdural and scalp EEG correlates of frontal lobe epileptic sources. **2014**, 55, 278-88	40
960	A regularized matrix factorization approach to induce structured sparse-low-rank solutions in the EEG inverse problem. **2014**, 2014,	3
959	Accuracy of estimating strengths of dipole moments from a small number of magnetoencephalographic trial data. **2014**, 27, 635-47	
958	Feeling before knowing why: the role of the orbitofrontal cortex in intuitive judgments--an MEG study. **2014**, 14, 1271-85	26
957	Source-space ICA for EEG source separation, localization, and time-course reconstruction. **2014**, 101, 720-37	33
956	Being an agent or an observer: different spectral dynamics revealed by MEG. **2014**, 102 Pt 2, 717-28	26
955	The Correlation of the Neuronal Long-Range Temporal Correlations, Avalanche Dynamics with the Behavioral Scaling Laws and Interindividual Variability. **2014**, 105-126	0
954	Altered source-based EEG coherence of resting-state sensorimotor network in early-stage Alzheimer's disease compared to mild cognitive impairment. **2014**, 558, 47-52	20
953	Oscillatory activity in neocortical networks during tactile discrimination near the limit of spatial acuity. **2014**, 91, 300-10	34
952	Neuromagnetic detection of the laryngeal area: Sensory-evoked fields to air-puff stimulation. **2014**, 88, 162-9	18
951	Proposal for a new MEG-MRI co-registration: a 3D laser scanner system. **2014**, 125, 2404-12	25
950	The relationship between MEG and fMRI. **2014**, 102 Pt 1, 80-91	91
949	Simultaneous recording of MEG, EEG and intracerebral EEG during visual stimulation: from feasibility to single-trial analysis. **2014**, 99, 548-58	33
948	Multi-session statistics on beamformed MEG data. **2014**, 95, 330-5	12
947	Cortical surface alignment in multi-subject spatiotemporal independent EEG source imaging. **2014**, 87, 297-310	17
946	Encoding cortical dynamics in sparse features. **2014**, 8, 338	5
945	Clinical application of spatiotemporal distributed source analysis in presurgical evaluation of epilepsy. **2014**, 8, 62	21

944	A statistical approach to the inverse problem in magnetoencephalography. **2014**, 8,	2
943	Temporo-frontal functional connectivity during auditory change detection is altered in Alzheimer's disease. **2014**, 35, 5565-77	12
942	Magnetoencephalography for Clinical Pediatrics: Recent Advances in Hardware, Methods, and Clinical Applications. **2015**, 04, 139-155	12
941	BEM based solution of forward problem for brain source estimation. **2015**,	4
940	Region-specific reduction of auditory sensory gating in older adults. **2015**, 101, 64-72	20
939	Granger causal time-dependent source connectivity in the somatosensory network. **2015**, 5, 10399	26
938	Bayesian Inference on the Brain: Bayesian Solutions to Selected Problems in Neuroimaging. **2015**, 1-36	
937	A geometric correction scheme for spatial leakage effects in MEG/EEG seed-based functional connectivity mapping. **2015**, 36, 4604-21	69
936	The speed of object recognition from a haptic glance: event-related potential evidence. **2015**, 113, 3069-75	7
935	Rapid prefrontal cortex activation towards aversively paired faces and enhanced contingency detection are observed in highly trait-anxious women under challenging conditions. **2015**, 9, 155	10
934	Tracking cortical entrainment in neural activity: auditory processes in human temporal cortex. **2015** , 9, 5	15
933	Brain bases of language selection: MEG evidence from Arabic-English bilingual language production. **2015**, 9, 27	19
932	Incorporating priors for EEG source imaging and connectivity analysis. **2015**, 9, 284	34
931	Reconstruction of human brain spontaneous activity based on frequency-pattern analysis of magnetoencephalography data. **2015**, 9, 373	21
930	State space methods for MEG source reconstruction. 53-78	
929	Distinct effects of memory retrieval and articulatory preparation when learning and accessing new word forms. **2015**, 10, e0126652	7
928	Increased Intrinsic Connectivity of the Default Mode Network in Temporal Lobe Epilepsy: Evidence from Resting-State MEG Recordings. **2015**, 10, e0128787	37
927	EEGNET: An Open Source Tool for Analyzing and Visualizing M/EEG Connectome. **2015**, 10, e0138297	38

926	Age-Related Reduced Somatosensory Gating Is Associated with Altered Alpha Frequency Desynchronization. **2015**, 2015, 302878	32
925	MEG-EEG Information Fusion and Electromagnetic Source Imaging: From Theory to Clinical Application in Epilepsy. **2015**, 28, 785-812	33
924	Cognitive emotion regulation in children: Reappraisal of emotional faces modulates neural source activity in a frontoparietal network. **2015**, 13, 1-10	24
923	Source Localization for Brain-Computer Interfaces. **2015**, 125-153	1
922	Beamformer-based spatiotemporal imaging of linearly-related source components using electromagnetic neural signals. **2015**, 114, 1-17	4
921	Early Parallel Activation of Semantics and Phonology in Picture Naming: Evidence from a Multiple Linear Regression MEG Study. **2015**, 25, 3343-55	64
920	Does the mismatch negativity operate on a consciously accessible memory trace?. **2015**, 1, e1500677	24
919	Brain Network Connectivity During Language Comprehension: Interacting Linguistic and Perceptual Subsystems. **2015**, 25, 3962-76	14
918	STRAPS: A Fully Data-Driven Spatio-Temporally Regularized Algorithm for M/EEG Patch Source Imaging. **2015**, 25, 1550016	12
917	Timing matters! The neural signature of intuitive judgments differs according to the way information is presented. **2015**, 38, 71-87	4
916	Cortical Source Localization for Analysing Single-Trial Motor Imagery EEG. **2015**,	6
915	Low frequency overactivation in dyslexia: Evidence from resting state Magnetoencephalography. **2015**, 2015, 6959-62	6
914	Brain activation profiles in mTBI: Evidence from combined resting-state EEG and MEG activity. **2015** , 2015, 6963-6	9
913	EEG source localization constrained by time varying fMRI. **2015**, 2015, 630-3	1
912	Mechanisms of orientation sensitivity of human visual system: Part II. Neural patterns of early processing of information about line orientation. **2015**, 41, 229-241	0
911	Influence of the head model on EEG and MEG source connectivity analyses. **2015**, 110, 60-77	68
910	Abnormal, affect-specific modulatory effects on early auditory processing in schizophrenia: magnetoencephalographic evidence. **2015**, 161, 308-13	3
909	Real-time functional architecture of visual word recognition. **2015**, 27, 246-65	28

908	Attention drives synchronization of alpha and beta rhythms between right inferior frontal and primary sensory neocortex. **2015**, 35, 2074-82	55
907	Solving the MEG Inverse Problem: A Robust Two-Way Regularization Method. **2015**, 57, 123-137	
906	Neurocognitive evidence for mental imagery-driven hypoalgesic and hyperalgesic pain regulation. **2015**, 120, 350-61	25
905	Spatially Sparse, Temporally Smooth MEG Via Vector . **2015**, 34, 1282-93	2
904	Dynamic reorganization of brain functional networks during cognition. **2015**, 114, 398-413	108
903	Inhibition-induced plasticity in tinnitus patients after repetitive exposure to tailor-made notched music. **2015**, 126, 1007-15	19
902	Facilitated early cortical processing of nude human bodies. **2015**, 109, 103-10	19
901	Electromagnetic Brain Imaging. **2015**,	28
900	Relationship of fast- and slow-timescale neuronal dynamics in human MEG and SEEG. **2015**, 35, 5385-96	40
899	Real-Time MEG Source Localization Using Regional Clustering. **2015**, 28, 771-84	19
898	Self-Consistent MUSIC: An approach to the localization of true brain interactions from EEG/MEG data. **2015**, 112, 299-309	14
897	Lexical mediation of phonotactic frequency effects on spoken word recognition: A Granger causality analysis of MRI-constrained MEG/EEG data. **2015**, 82, 41-55	14
896	Early Visual Word Processing Is Flexible: Evidence from Spatiotemporal Brain Dynamics. **2015**, 27, 1738-51	29
895	Current and emerging potential for magnetoencephalography in pediatric epilepsy. **2015**, 02, 073-085	7
894	High-density EEG and source analysis: Principles, recent progress and applications in children. **2015**, 02, 003-018	
893	Three-Dimensional Innervation Zone Imaging from Multi-Channel Surface EMG Recordings. **2015**, 25, 1550024	23
892	Solving the EEG inverse problem based on space-time-frequency structured sparsity constraints. **2015**, 118, 598-612	43
891	. **2015**, 103, 1507-1530	54

890	Measuring electrophysiological connectivity by power envelope correlation: a technical review on MEG methods. **2015**, 60, R271-95	76
889	Predicting the semantic category of internally generated words from neuromagnetic recordings. **2015**, 27, 35-45	9
888	Direction of magnetoencephalography sources associated with feedback and feedforward contributions in a visual object recognition task. **2015**, 585, 149-54	15
887	Brain-Computer Interfaces. **2015**,	24
886	Effects of aging on the neuromagnetic mismatch detection to speech sounds. **2015**, 104, 48-55	17
885	MEG source reconstruction based on identification of directed source interactions on whole-brain anatomical networks. **2015**, 105, 408-27	28
884	Gamma Oscillations Underlie the Maintenance of Feature-Specific Information and the Contents of Visual Working Memory. **2015**, 25, 3788-801	82
883	Electrophysiological evidence for a specific neural correlate of musical violation expectation in primary-school children. **2015**, 104, 386-97	10
882	Detection of EEG spatial-spectral-temporal signatures of errors: a comparative study of ICA-based and channel-based methods. **2015**, 28, 47-61	16
881	Investigating the neural correlates of the Stroop effect with magnetoencephalography. **2015**, 28, 95-103	9
880	Sex Differences in Gamma Band Functional Connectivity Between the Frontal Lobe and Cortical Areas During an Auditory Oddball Task, as Revealed by Imaginary Coherence Assessment. **2016**, 10, 85-101	2
879	MEG Connectivity and Power Detections with Minimum Norm Estimates Require Different Regularization Parameters. **2016**, 2016, 3979547	12
878	EEG Source Imaging Guided by Spatiotemporal Specific fMRI: Toward an Understanding of Dynamic Cognitive Processes. **2016**, 2016, 4182483	14
877	Magnetoencephalography in Stroke Recovery and Rehabilitation. **2016**, 7, 35	14
876	Multi-Dimensional Dynamics of Human Electromagnetic Brain Activity. **2015**, 9, 713	35
875	Prediction Signatures in the Brain: Semantic Pre-Activation during Language Comprehension. **2016**, 10, 591	27
874	Representation of Instantaneous and Short-Term Loudness in the Human Cortex. **2016**, 10, 183	17
873	Automated rejection and repair of bad trials in MEG/EEG. **2016**,	8

872	Modulatory Effects of Attention on Lateral Inhibition in the Human Auditory Cortex. **2016**, 11, e0149933	7
871	Evaluation of Electroencephalography Source Localization Algorithms with Multiple Cortical Sources. **2016**, 11, e0147266	41
870	Remote MEG dipoles in focal cortical dysplasia at bottom of sulcus. **2016**, 57, 1169-78	17
869	Recovering TMS-evoked EEG responses masked by muscle artifacts. **2016**, 139, 157-166	43
868	Dual signal subspace projection (DSSP): a novel algorithm for removing large interference in biomagnetic measurements. **2016**, 13, 036007	29
867	References. **2016**, 423-429	
866	Intracranial EEG potentials estimated from MEG sources: A new approach to correlate MEG and iEEG data in epilepsy. **2016**, 37, 1661-83	27
865	From evoked potentials to cortical currents: Resolving V1 and V2 components using retinotopy constrained source estimation without fMRI. **2016**, 37, 1696-709	3
864	Bayesian electromagnetic spatio-temporal imaging of extended sources with Markov Random Field and temporal basis expansion. **2016**, 139, 385-404	23
863	EEG-based brain source localization using visual stimuli. **2016**, 26, 55-64	8
862	Early Preferential Responses to Fear Stimuli in Human Right Dorsal Visual Stream--A Meg Study. **2016**, 6, 24831	17
861	Neural oscillations in the temporal pole for a temporally congruent audio-visual speech detection task. **2016**, 6, 37973	15
860	MSP based source localization using EEG signals. **2016**,	2
859	Prepare for scare-Impact of threat predictability on affective visual processing in spider phobia. **2016**, 307, 84-91	6
858	Imaging brain source extent from EEG/MEG by means of an iteratively reweighted edge sparsity minimization (IRES) strategy. **2016**, 142, 27-42	45
857	Microsleeps are Associated with Stage-2 Sleep Spindles from Hippocampal-Temporal Network. **2016**, 26, 1650015	13
856	Hemispheric contributions to language reorganisation: An MEG study of neuroplasticity in chronic post stroke aphasia. **2016**, 93, 413-424	26
855	The effect of epoch length on estimated EEG functional connectivity and brain network organisation. **2016**, 13, 036015	111

854 Machine Learning and Interpretation in Neuroimaging. **2016**,

853 Neuronal generator patterns at scalp elicited by lateralized aversive pictures reveal consecutive stages of motivated attention. **2016**, 142, 337-350 15

852 EEG Source Reconstruction in Male Nonsmokers after Nicotine Administration during the Resting State. **2016**, 73, 191-200 2

851 Cortical localization of phase and amplitude dynamics predicting access to somatosensory awareness. **2016**, 37, 311-26 19

850 Haptic contents of a movie dynamically engage the spectator's sensorimotor cortex. **2016**, 37, 4061-4068 10

849 Complex patterns of spatially extended generators of epileptic activity: Comparison of source localization methods cMEM and 4-ExSo-MUSIC on high resolution EEG and MEG data. **2016**, 143, 175-195 27

848 Modeling Effective Connectivity in High-Dimensional Cortical Source Signals. **2016**, 10, 1315-1325 33

847 Electrophysiological Source Imaging of Brain Networks Perturbed by Low-Intensity Transcranial Focused Ultrasound. **2016**, 63, 1787-1794 35

846 Noninvasive Electromagnetic Source Imaging and Granger Causality Analysis: An Electrophysiological Connectome (eConnectome) Approach. **2016**, 63, 2474-2487 29

845 EEG Oscillations Are Modulated in Different Behavior-Related Networks during Rhythmic Finger Movements. **2016**, 36, 11671-11681 29

844 Simplified EEG inverse solution for BCI real-time implementation. **2016**, 2016, 4051-4054

843 Kernel temporal enhancement approach for LORETA source reconstruction using EEG data. **2016**, 2016, 4527-4530 1

842 Near-instant automatic access to visually presented words in the human neocortex: neuromagnetic evidence. **2016**, 6, 26558 13

841 Functional Neuroimaging. **2016**, 25-43

840 The Brain Network Underpinning Novel Melody Creation. **2016**, 6, 772-785 15

839 Functional neurological symptoms modulate processing of emotionally salient stimuli. **2016**, 91, 61-67 5

838 Multimodal Oscillation-based Connectivity Theory. **2016**, 2

837 The Role of Local and Large-Scale Neuronal Synchronization in Human Cognition. **2016**, 51-67 3

836	Comparison of Brain Networks During Interictal Oscillations and Spikes on Magnetoencephalography and Intracerebral EEG. **2016**, 29, 752-65	16
835	Scalar adjectives and the temporal unfolding of semantic composition: An MEG investigation. **2016**, 89, 161-171	27
834	Neural Correlates of Auditory Figure-Ground Segregation Based on Temporal Coherence. **2016**, 26, 3669-80	44
833	Reduced prefrontal MEG alpha-band power in mild traumatic brain injury with associated posttraumatic stress disorder symptoms. **2016**, 127, 3075-3085	11
832	Verbal memory and verbal fluency tasks used for language localization and lateralization during magnetoencephalography. **2016**, 119, 1-9	19
831	Healthy individuals maintain adaptive stimulus evaluation under predictable and unpredictable threat. **2016**, 136, 174-85	9
830	Composition of complex numbers: Delineating the computational role of the left anterior temporal lobe. **2016**, 124, 194-203	22
829	Altered Resting-State Cortical EEG Oscillations in Patients With Severe Asymptomatic Carotid Stenosis. **2016**, 47, 142-9	3
828	Bilingual Language Control in Perception versus Action: MEG Reveals Comprehension Control Mechanisms in Anterior Cingulate Cortex and Domain-General Control of Production in Dorsolateral Prefrontal Cortex. **2016**, 36, 290-301	91
827	Visual information representation and rapid-scene categorization are simultaneous across cortex: An MEG study. **2016**, 134, 295-304	14
826	A spatiotemporal signature of cortical pain relief by tactile stimulation: An MEG study. **2016**, 130, 175-183	18
825	A Mapping Between Structural and Functional Brain Networks. **2016**, 6, 298-311	78
824	Impact of electroconvulsive therapy on magnetoencephalographic correlates of dysfunctional emotional processing in major depression. **2016**, 26, 684-92	10
823	Source-space ICA for MEG source imaging. **2016**, 13, 016005	8
822	Early-latency categorical speech sound representations in the left inferior frontal gyrus. **2016**, 129, 214-223	20
821	Clinical Applications of Magnetoencephalography. **2016**,	5
820	Principles of Magnetoencephalography. **2016**, 3-32	5
819	Childhood Epilepsy. **2016**, 163-173	

818	Movement priming of EEG/MEG brain responses for action-words characterizes the link between language and action. **2016**, 74, 262-76	41
817	A Space-Time-Frequency Dictionary for Sparse Cortical Source Localization. **2016**, 63, 1966-1973	9
816	Non-invasive brain mapping in epilepsy: Applications from magnetoencephalography. **2016**, 260, 283-91	12
815	Magnetoencephalographic Correlates of Emotional Processing in Major Depression Before and After Pharmacological Treatment. **2015**, 19,	42
814	Decoding Brain States Based on Magnetoencephalography From Prespecified Cortical Regions. **2016**, 63, 30-42	5
813	Analysis of infant cortical synchrony is constrained by the number of recording electrodes and the recording montage. **2016**, 127, 310-323	18
812	Simultaneous head tissue conductivity and EEG source location estimation. **2016**, 124, 168-180	52
811	Previous exposure to intact speech increases intelligibility of its digitally degraded counterpart as a function of stimulus complexity. **2016**, 125, 131-143	4
810	[MEG]PLS: A pipeline for MEG data analysis and partial least squares statistics. **2016**, 124, 181-193	10
809	Temporal Information of Directed Causal Connectivity in Multi-Trial ERP Data using Partial Granger Causality. **2016**, 14, 99-120	15
808	Localizing the effects of anodal tDCS at the level of cortical sources: A Reply to Bailey et al., 2015. **2016**, 74, 323-8	19
807	Multidisciplinary Contributions to the Science of Creative Thinking. **2016**,	6
806	Localization Accuracy of Distributed Inverse Solutions for Electric and Magnetic Source Imaging of Interictal Epileptic Discharges in Patients with Focal Epilepsy. **2016**, 29, 162-81	46
805	Current Density Reconstructions for Lorentz Force Evaluation. **2017**, 28, 76-100	7
804	Separation of Physiological Signals Using Minimum Norm Projection Operators. **2017**, 64, 904-916	5
803	Learning transforms functional organization for Mandarin lexical tone discrimination in the brain: Evidence from a MEG´experiment on second language learning. **2017**, 42, 124-139	3
802	Non-parametric Source Reconstruction via Kernel Temporal Enhancement for EEG Data. **2017**, 443-450	
801	The Sources of Sequential Modulations of Control Processes in Arithmetic Strategies: A Magnetoencephalography Study. **2017**, 29, 1033-1043	14

800	Back-Projection Cortical Potential Imaging: Theory and Results. **2017**, 36, 1583-1595	4
799	Consistency of EEG source localization and connectivity estimates. **2017**, 152, 590-601	107
798	Comparison of group-level, source localized activity for simultaneous functional near-infrared spectroscopy-magnetoencephalography and simultaneous fNIRS-fMRI during parametric median nerve stimulation. **2017**, 4, 015001	20
797	Comparing diffuse optical tomography and functional magnetic resonance imaging signals during a cognitive task: pilot study. **2017**, 4, 015003	5
796	The impact of MEG source reconstruction method on source-space connectivity estimation: A comparison between minimum-norm solution and beamforming. **2017**, 156, 29-42	41
795	Tonotopic representation of loudness in the human cortex. **2017**, 344, 244-254	4
794	Comparison of the spatial resolution of source imaging techniques in high-density EEG and MEG. **2017**, 157, 531-544	63
793	A wearable system for adaptation to left-right reversed audition tested in combination with magnetoencephalography. **2017**, 7, 205-213	1
792	EEG source imaging assists decoding in a face recognition task. **2017**,	
791	Autoreject: Automated artifact rejection for MEG and EEG data. **2017**, 159, 417-429	114
790	The dynamic functional core network of the human brain at rest. **2017**, 7, 2936	60
789	Optimal use of EEG recordings to target active brain areas with transcranial electrical stimulation. **2017**, 157, 69-80	42
788	The Role of the Primary Sensory Cortices in Early Language Processing. **2017**, 29, 1755-1765	5
787	Tracking reorganization of large-scale effective connectivity in aphasia following right hemisphere stroke. **2017**, 170, 12-17	2
786	Noninvasive Stimulation of the Ventromedial Prefrontal Cortex Enhances Pleasant Scene Processing. **2017**, 27, 3449-3456	26
785	Commonalities and differences in the neural substrates of threat predictability in panic disorder and specific phobia. **2017**, 14, 530-537	12
784	Modular co-organization of functional connectivity and scale-free dynamics in the human brain. **2017**, 1, 143-165	33
783	Expectation violation and attention to pain jointly modulate neural gain in somatosensory cortex. **2017**, 153, 109-121	29

782	Measuring MEG closer to the brain: Performance of on-scalp sensor arrays. **2017**, 147, 542-553	116
781	. **2017**, 105, 367-384	22
780	Spatio-temporal reconstruction of brain dynamics from EEG with a Markov prior. **2017**, 148, 274-283	5
779	Language in context: Characterizing the comprehension of referential expressions with MEG. **2017**, 147, 447-460	10
778	The cortical dynamics of speaking: Lexical and phonological knowledge simultaneously recruit the frontal and temporal cortex within 200´ms. **2017**, 163, 206-219	24
777	Toward noninvasive monitoring of ongoing electrical activity of human uterus and fetal heart and brain. **2017**, 128, 2470-2481	8
776	Bilingual Language Switching in the Laboratory versus in the Wild: The Spatiotemporal Dynamics of Adaptive Language Control. **2017**, 37, 9022-9036	99
775	Dynamic connectivity modulates local activity in the core regions of the default-mode network. **2017**, 114, 9713-9718	31
774	Intrinsic frequency biases and profiles across human cortex. **2017**, 118, 2853-2864	13
773	Using Wavelet Entropy to Demonstrate how Mindfulness Practice Increases Coordination between Irregular Cerebral and Cardiac Activities. **2017**,	5
772	Supervised Discriminative EEG Brain Source Imaging with Graph Regularization. **2017**, 495-504	5
771	The Spatiotemporal Neural Dynamics of Infant Face Processing. **2017**, 3, 386-400	2
770	Minimum-Norm Estimation of Motor Representations in Navigated TMS Mappings. **2017**, 30, 711-722	10
769	The temporal stability and variability across frequency bands in neural synchrony between primary and secondary somatosensory areas following somatosensory stimulation. **2017**, 2, 119-123	
768	Activation of dominant hemisphere association cortex during naming as a function of cognitive performance in mild traumatic brain injury: Insights into mechanisms of lexical access. **2017**, 15, 741-752	12
767	Evaluation of realistic layouts for next generation on-scalp MEG: spatial information density maps. **2017**, 7, 6974	26
766	Inter-subject alignment of MEG datasets in a common representational space. **2017**, 38, 4287-4301	10
765	Developmental Processes. 495-510	1

764	Sparsity enables estimation of both subcortical and cortical activity from MEG and EEG. **2017**, 114, E10465-E10474	61
763	Supervised EEG Source Imaging with Graph Regularization in Transformed Domain. **2017**, 59-71	1
762	Reconstructing anatomy from electro-physiological data. **2017**, 163, 480-486	5
761	Backward renormalization-group inference of cortical dipole sources and neural connectivity efficacy. **2017**, 95, 062415	1
760	Automatic inhibitory function in the human somatosensory and motor cortices: An MEG-MRS study. **2017**, 7, 4234	21
759	High-resolution retinotopic maps estimated with magnetoencephalography. **2017**, 145, 107-117	19
758	Decoding Dynamic Brain Patterns from Evoked Responses: A Tutorial on Multivariate Pattern Analysis Applied to Time Series Neuroimaging Data. **2017**, 29, 677-697	212
757	Abnormal Somatosensory Synchronization in Patients With Paroxysmal Kinesigenic Dyskinesia: A Magnetoencephalographic Study. **2017**, 48, 288-294	11
756	Identification of Interictal Epileptic Networks from Dense-EEG. **2017**, 30, 60-76	46
755	Frontal Cortex Supports the Early Structuring of Multiple Solution Steps in Symbolic Problem-solving. **2017**, 29, 114-124	1
754	A Pilot Study on Brain Source Localization and Connectivity Analysis with MEG Responses to Unilateral Tactile Stimuli in Healthy Children Using Normalized Principal Component Analysis. **2017**, 87, 259-267	
753	Hypervigilance-avoidance in children with anxiety disorders: magnetoencephalographic evidence. **2017**, 58, 103-112	4
752	ICA on sensor or source data: A comparison study in deriving resting state networks from EEG. **2017** , 2017, 3604-3607	2
751	Lower bounds on the minimax risk for the source localization problem. **2017**,	5
750	Graph Regularized EEG Source Imaging with In-Class Consistency and Out-Class Discrimination. **2017**, 3, 378-391	13
749	An evil face? Verbal evaluative multi-CS conditioning enhances face-evoked mid-latency magnetoencephalographic responses. **2017**, 12, 695-705	10
748	EEG source imaging based on spatial and temporal graph structures. **2017**,	2
747	Mathematical and Theoretical Neuroscience. **2017**,	

746	. **2017**,	0
745	Establishing and validating a new source analysis method using phase. **2017**, 2017, 2778-2781	
744	Inverse solutions for brain-computer interfaces: Effects of regularisation on localisation and classification. **2017**,	1
743	Spatial regularization based on dMRI to solve EEG/MEG inverse problem. **2017**, 2017, 3608-3611	1
742	A Novel Visualization Method for Sleep Spindles Based on Source Localization of High Density EEG. **2017**, 26, 362-368	
741	A Review of Issues Related to Data Acquisition and Analysis in EEG/MEG Studies. **2017**, 7,	63
740	Simultaneous Processing of Noun Cue and to-be-Produced Verb in Verb Generation Task: Electromagnetic Evidence. **2017**, 11, 279	2
739	MEG Signatures of a Perceived Match or Mismatch between Individual and Group Opinions. **2017**, 11, 10	6
738	Electrical Neuroimaging of Music Processing Reveals Mid-Latency Changes with Level of Musical Expertise. **2017**, 11, 613	4
737	Spatio Temporal EEG Source Imaging with the Hierarchical Bayesian Elastic Net and Elitist Lasso Models. **2017**, 11, 635	13
736	Anodal Transcranial Direct Current Stimulation Increases Bilateral Directed Brain Connectivity during Motor-Imagery Based Brain-Computer Interface Control. **2017**, 11, 691	23
735	Altered insula-default mode network connectivity in fibromyalgia: a resting-state magnetoencephalographic study. **2017**, 18, 89	26
734	Large brain effective network from EEG/MEG data and dMR information. **2017**,	
733	Exploring the spatio-temporal neural basis of face learning. **2017**, 17, 1	2
732	Dynamic large-scale network synchronization from perception to action. **2018**, 2, 442-463	17
731	Consistency and similarity of MEG- and fMRI-signal time courses during movie viewing. **2018**, 173, 361-369	35
730	Computationally Efficient Algorithms for Sparse, Dynamic Solutions to the EEG Source Localization Problem. **2018**, 65, 1359-1372	17
729	Ghost interactions in MEG/EEG source space: A note of caution on inter-areal coupling measures. **2018**, 173, 632-643	126

728	A New fMRI Informed Mixed-Norm Constrained Algorithm for EEG Source Localization. **2018**, 6, 8258-8269	8
727	Electrophysiological Source Imaging: A Noninvasive Window to Brain Dynamics. **2018**, 20, 171-196	87
726	IFCN-endorsed practical guidelines for clinical magnetoencephalography (MEG). **2018**, 129, 1720-1747	75
725	Entrainment to the CIECAM02 and CIELAB colour appearance models in the human cortex. **2018**, 145, 1-10	10
724	Shared neural correlates for building phrases in signed and spoken language. **2018**, 8, 5492	21
723	MNE Scan: Software for real-time processing of electrophysiological data. **2018**, 303, 55-67	9
722	Advanced dynamic statistical parametric mapping with MEG in localizing epileptogenicity of the bottom of sulcus dysplasia. **2018**, 129, 1182-1191	5
721	Reduced integration and improved segregation of functional brain networks in Alzheimer's disease. **2018**, 15, 026023	35
720	Predicting postoperative language outcome using presurgical fMRI, MEG, TMS, and high gamma ECoG. **2018**, 129, 560-571	16
719	Neural source dynamics of brain responses to continuous stimuli: Speech processing from acoustics to comprehension. **2018**, 172, 162-174	51
718	Hyperedge bundling: A practical solution to spurious interactions in MEG/EEG source connectivity analyses. **2018**, 173, 610-622	35
717	Focal versus distributed temporal cortex activity for speech sound category assignment. **2018**, 115, E1299-E1308	28
716	Magnetoencephalographic study of event-related fields and cortical oscillatory changes during cutaneous warmth processing. **2018**, 39, 1972-1981	2
715	RETRACTED CHAPTER: Artifact Rejection for Concurrent TMS-EEG Data. **2018**, 141-173	
714	Sparsity Meets Dynamics: Robust Solutions to Neuronal Identification and Inverse Problems. **2018**, 111-140	
713	Contrasting functional imaging parametric maps: The mislocation problem and alternative solutions. **2018**, 169, 200-211	20
712	Comparison of somatosensory cortex excitability between migraine and "strict-criteria" tension-type headache: a magnetoencephalographic study. **2018**, 159, 793-803	14
711	ARTIST: A fully automated artifact rejection algorithm for single-pulse TMS-EEG data. **2018**, 39, 1607-1625	34

710	Dynamic Neuroscience. **2018**,	4
709	Modulating Emotion Perception: Opposing Effects of Inhibitory and Excitatory Prefrontal Cortex Stimulation. **2018**, 3, 329-336	17
708	EEG/MEG source imaging using fMRI informed time-variant constraints. **2018**, 39, 1700-1711	8
707	Composing lexical versus functional adjectives: Evidence for uniformity in the left temporal lobe. **2018**, 25, 2309-2322	11
706	Noninvasive stimulation of the ventromedial prefrontal cortex modulates emotional face processing. **2018**, 175, 388-401	17
705	Advancements in EEG source localisation methods. **2018**, 10, 30	1
704	Brain Activity on Observation of Another Person's Action: A Magnetoencephalographic Study. **2018** , 22, 377-390	1
703	Robust EEG/MEG Based Functional Connectivity with the Envelope of the Imaginary Coherence: Sensor Space Analysis. **2018**, 31, 895-916	11
702	Multimodal Functional and Structural Brain Connectivity Analysis in Autism: A Preliminary Integrated Approach With EEG, fMRI, and DTI. **2018**, 10, 213-226	19
701	Estimating the Number of Sources in Magnetoencephalography Using Spiked Population Eigenvalues. **2018**, 113, 505-518	3
700	The priming of basic combinatory responses in MEG. **2018**, 170, 49-63	7
699	Involvement of ordinary what and where auditory cortical areas during illusory perception. **2018**, 223, 965-979	3
698	Cortical Networks for Correcting Errors in Sensorimotor Synchronization Depend on the Direction of Asynchrony. **2018**, 50, 235-248	6
697	Adaptive cortical parcellations for source reconstructed EEG/MEG connectomes. **2018**, 169, 23-45	45
696	Functional brain connectivity analysis in amyotrophic lateral sclerosis: an EEG source-space study. **2018**, 4, 037004	7
695	Enhanced Brain Network Activity in Complex Movement Rhythms: A Simultaneous Functional Magnetic Resonance Imaging and Electroencephalography Study. **2018**, 8, 68-81	4
694	Non-invasive laminar inference with MEG: Comparison of methods and source inversion algorithms. **2018**, 167, 372-383	30
693	Functional brain networks underlying idiosyncratic switching patterns in multi-stable auditory perception. **2018**, 108, 82-91	4

692	Reducing Sensor Noise in MEG and EEG Recordings Using Oversampled Temporal Projection. **2018**, 65, 1002-1013	20
691	Stimulus rivalry and binocular rivalry share a common neural substrate. **2018**, 18, 18	2
690	Seamless Utilization of Heterogeneous XSede Resources to Accelerate Processing of a High Value Functional Neuroimaging Dataset. **2018**,	
689	Tracking of dynamic functional connectivity from MEG data with Kalman filtering. **2018**, 2018, 1003-1006	3
688	Rapid Transformation from Auditory to Linguistic Representations of Continuous Speech. **2018**, 28, 3976-3983.e5	95
687	Source Connectivity Analysis Can Assess Recovery of Acute Mild Traumatic Brain Injury Patients. **2018**, 2018, 3165-3168	6
686	NFBLab-A Versatile Software for Neurofeedback and Brain-Computer Interface Research. **2018**, 12, 100	8
685	Age Effects on Spatiotemporal Dynamics of Response Inhibition: An MEG Study. **2018**, 10, 386	7
684	Stable Microsaccades and Microsaccade-Induced Global Alpha Band Phase Reset Across the Life Span. **2018**, 59, 2032-2041	6
683	Longitudinal changes in the mismatch field evoked by an empathic voice reflect changes in the empathy quotient in autism spectrum disorder. **2018**, 281, 117-122	5
682	Information spreading by a combination of MEG source estimation and multivariate pattern classification. **2018**, 13, e0198806	10
681	A Reproducible MEG/EEG Group Study With the MNE Software: Recommendations, Quality Assessments, and Good Practices. **2018**, 12, 530	52
680	Estimating uterine source current during contractions using magnetomyography measurements. **2018**, 13, e0202184	8
679	Empirical Comparison of Distributed Source Localization Methods for Single-Trial Detection of Movement Preparation. **2018**, 12, 340	4
678	Aging and Sequential Strategy Interference: A Magnetoencephalography Study in Arithmetic Problem Solving. **2018**, 10, 232	4
677	How the Dorsolateral Prefrontal Cortex Controls Affective Processing in Absence of Visual Awareness - Insights From a Combined EEG-rTMS Study. **2018**, 12, 412	15
676	Combined Transcranial Magnetic Stimulation and Electroencephalography of the Dorsolateral Prefrontal Cortex. **2018**,	2
675	Individual Activation Patterns After the Stimulation of Different Motor Areas: A Transcranial Magnetic Stimulation-Electroencephalography Study. **2018**, 8, 420-428	13

674	A Comprehensive Review of Magnetoencephalography (MEG) Studies for Brain Functionality in Healthy Aging and Alzheimer's Disease (AD). **2018**, 12, 60	32
673	Theta-Band Oscillations as an Indicator of Mild Traumatic Brain Injury. **2018**, 31, 1037-1046	13
672	Decoding Motor Imagery through Common Spatial Pattern Filters at the EEG Source Space. **2018**, 2018, 7957408	22
671	Brain source localization using reduced EEG sensors. **2018**, 12, 1447-1454	8
670	Variation sparse source imaging based on conditional mean for electromagnetic extended sources. **2018**, 313, 96-110	9
669	Comparison of source localization techniques in diffuse optical tomography for fNIRS application using a realistic head model. **2018**, 9, 2994-3016	14
668	Assessing Brain-Muscle Connectivity in Human Locomotion through Mobile Brain/Body Imaging: Opportunities, Pitfalls, and Future Directions. **2018**, 6, 39	13
667	Unmixing EEG Inverse Solutions Based on Brain Segmentation. **2018**, 12, 325	7
666	Concurrent EEG and Functional MRI Recording and Integration Analysis for Dynamic Cortical Activity Imaging. **2018**,	4
665	Hierarchical multiscale Bayesian algorithm for robust MEG/EEG source reconstruction. **2018**, 183, 698-715	22
664	Left-Lateralized Contributions of Saccades to Cortical Activity During a One-Back Word Recognition Task. **2018**, 12, 38	1
663	Improving the Nulling Beamformer Using Subspace Suppression. **2018**, 12, 35	1
662	Disruption of Boundary Encoding During Sensorimotor Sequence Learning: An MEG Study. **2018**, 12, 240	
661	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. **2018**, 12, 6	9
660	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. **2018**, 12, 261	6
659	Tracking the Effect of Cathodal Transcranial Direct Current Stimulation on Cortical Excitability and Connectivity by Means of TMS-EEG. **2018**, 12, 319	26
658	Hyperedge bundling: Data, source code, and precautions to modeling-accuracy bias to synchrony estimates. **2018**, 18, 262-275	2
657	Quantifying the performance of MEG source reconstruction using resting state data. **2018**, 181, 453-460	7

656	Magnetoencephalographic Mapping of Epileptic Spike Population Using Distributed Source Analysis: Comparison With Intracranial Electroencephalographic Spikes. **2018**, 35, 339-345	4
655	Requirements for Coregistration Accuracy in On-Scalp MEG. **2018**, 31, 931-948	23
654	A comparison between scalp- and source-reconstructed EEG networks. **2018**, 8, 12269	62
653	Brain Responses to Letters and Speech Sounds and Their Correlations With Cognitive Skills Related to Reading in Children. **2018**, 12, 304	8
652	Altered Gamma Oscillations during Motor Control in Children with Autism Spectrum Disorder. **2018** , 38, 7878-7886	22
651	Optimal positioning of optodes on the scalp for personalized functional near-infrared spectroscopy investigations. **2018**, 309, 91-108	19
650	Bayesian spatio-temporal decomposition for electromagnetic imaging of extended sources based on Destrieux atlas. **2018**,	1
649	Semantic composition of sentences word by word: MEG evidence for shared processing of conceptual and logical elements. **2018**, 119, 392-404	7
648	Assessment of the Utility of Ictal Magnetoencephalography in the Localization of the Epileptic Seizure Onset Zone. **2018**, 75, 1264-1272	21
647	Improved Back-Projection Cortical Potential Imaging by Multi-resolution Optimization Technique. **2019**, 32, 66-79	
646	Post-traumatic stress disorder is associated with altered modulation of prefrontal alpha band oscillations during working memory. **2019**, 130, 1869-1881	6
645	The lexical semantics of adjective-noun phrases in the human brain. **2019**, 40, 4457-4469	14
644	Spatio-temporal profile of brain activity during gentle touch investigated with magnetoencephalography. **2019**, 201, 116024	13
643	White matter information flow mapping from diffusion MRI and EEG. **2019**, 201, 116017	14
642	Top-Down Predictions of Familiarity and Congruency in Audio-Visual Speech Perception at Neural Level. **2019**, 13, 243	1
641	Inhibitory electromagnetic induction current induces enhancement instead of reduction of neural bursting activities. **2019**, 79, 104924	29
640	Modeling the Switching Behavior of Functional Connectivity Microstates (FCStates) as a Novel Biomarker for Mild Cognitive Impairment. **2019**, 13, 542	6
639	New horizons in clinical electric source imaging. **2019**, 32, 187-193	1

638	EEG source localization. **2019**, 160, 85-101	14
637	Methods for analysis of brain connectivity: An IFCN-sponsored review. **2019**, 130, 1833-1858	54
636	Epileptic source connectivity analysis based on estimating of dynamic time series of regions of interest. **2019**, 30, 1-30	2
635	A multichannel magnetic stimulation system using submillimeter-sized coils: system development and experimental application to rodent brain in vivo. **2019**, 16, 066014	8
634	EEG Signal Processing and Feature Extraction. **2019**,	26
633	Quantitative assessment of cerebral connectivity deficiency and cognitive impairment in children with prenatal alcohol exposure. **2019**, 29, 041101	4
632	Physical-Layer Supervised Learning Assisted by an Entangled Sensor Network. **2019**, 9,	15
631	Reconstructing Cortical Intrinsic Connectivity Networks Using a Regression Method Combining EEG Data from Sensor and Source Levels. **2019**, 2019, 1698-1701	2
630	The Impact of the Geometric Correction Scheme on MEG Functional Topology at Rest. **2019**, 13, 1114	8
629	Cortical gamma-synchrony measured with magnetoencephalography is a marker of clinical status and predicts clinical outcome in stroke survivors. **2019**, 24, 102092	6
628	Role of the cortex in visuomotor control of arm stability. **2019**, 122, 2156-2172	2
627	Performance of source imaging techniques of spatially extended generators of uterine activity. **2019**, 16, 100167	0
626	Auditory cortical generators of the Frequency Following Response are modulated by intermodal attention. **2019**, 203, 116185	19
625	Neural dynamics of semantic composition. **2019**, 116, 21318-21327	23
624	Vertical size disparity induces enhanced neural responses in good stereo observers. **2019**, 164, 24-33	1
623	Bayesian Electromagnetic Spatio-Temporal Imaging of Extended Sources Based on Matrix Factorization. **2019**, 66, 2457-2469	5
622	Neural Switch Asymmetry in Feature-Based Auditory Attention Tasks. **2019**, 20, 205-215	1
621	Activity in Functional Cortical Networks Temporally Associated with Postural Instability. **2019**, 401, 43-58	13

620	Recent Developments in MEG Network Analysis. **2019**, 1-15	
619	Group Level MEG/EEG Source Imaging via Optimal Transport: Minimum Wasserstein Estimates. **2019**, 743-754	2
618	EECoG-Comp: An Open Source Platform for Concurrent EEG/ECoG Comparisons-Applications to Connectivity Studies. **2019**, 32, 550-568	4
617	Attentional Weighting in the Face Processing Network: A Magnetic Response Image-guided Magnetoencephalography Study Using Multiple Cyclic Entrainments. **2019**, 31, 1573-1588	5
616	A Spectrotemporal Correlate of Language Impairment in Autism Spectrum Disorder. **2019**, 49, 3181-3190	3
615	Analysis of the Regularization Parameter for EEG Inverse Problem Using Genetic Algorithm. **2019**, 51-57	
614	Estimating neural sources using a worst-case robust adaptive beamforming approach. **2019**, 52, 330-340	5
613	Multimodal Integration of M/EEG and f/MRI Data in SPM12. **2019**, 13, 300	9
612	Localization of Sensorimotor Cortex Using Navigated Transcranial Magnetic Stimulation and Magnetoencephalography. **2019**, 32, 873-881	2
611	Abnormal frontal generator during auditory sensory gating in panic disorder: An MEG study. **2019**, 288, 60-66	9
610	Cardiac afferent activity modulates early neural signature of error detection during skilled performance. **2019**, 199, 704-717	5
609	MEG Source Imaging and Group Analysis Using VBMEG. **2019**, 13, 241	7
608	Phase-amplitude coupling between theta and gamma oscillations adapts to speech rate. **2019**, 1453, 140-152	19
607	The impact of improved MEG-MRI co-registration on MEG connectivity analysis. **2019**, 197, 354-367	16
606	Mild Traumatic Brain Injury Affects Cognitive Processing and Modifies Oscillatory Brain Activity during Attentional Tasks. **2019**, 36, 2222-2232	12
605	Multimodal Imaging of Repetitive Transcranial Magnetic Stimulation Effect on Brain Network: A Combined Electroencephalogram and Functional Magnetic Resonance Imaging Study. **2019**, 9, 311-321	10
604	The Cortical Network of Emotion Regulation: Insights From Advanced EEG-fMRI Integration Analysis. **2019**, 38, 2423-2433	15
603	Magnetoencephalographic evaluation for the myoelectric hand prosthesis with tacit learning system. **2019**, 44, 19-23	5

602	Comparative fMRI and MEG localization of cortical sensorimotor function: Bimodal mapping supports motor area reorganization in glioma patients. **2019**, 14, e0213371	10
601	Explaining event-related fields by a mechanistic model encapsulating the anatomical structure of auditory cortex. **2019**, 113, 321-345	3
600	Noninvasive Stimulation of the Ventromedial Prefrontal Cortex Indicates Valence Ambiguity in Sad Compared to Happy and Fearful Face Processing. **2019**, 13, 83	8
599	Using fMRI connectivity to define a treatment-resistant form of post-traumatic stress disorder. **2019**, 11,	45
598	Deep brain stimulation of the internal capsule enhances human cognitive control and prefrontal cortex function. **2019**, 10, 1536	54
597	EEG Source Imaging: A Practical Review of the Analysis Steps. **2019**, 10, 325	163
596	Brain-Machine Interface-Driven Post-Stroke Upper-Limb Functional Recovery Correlates With Beta-Band Mediated Cortical Networks. **2019**, 27, 1020-1031	18
595	Audiovisual Processing of Chinese Characters Elicits Suppression and Congruency Effects in MEG. **2019**, 13, 18	9
594	Magnocellular and parvocellular pathway contributions to facial threat cue processing. **2019**, 14, 151-162	6
593	Electrical Neuroimaging of Music Processing in Pianists With and Without True Absolute Pitch. **2019**, 13, 142	3
592	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. **2019**, 39, 2938-2950	28
591	Less Is Enough: Assessment of the Random Sampling Method for the Analysis of Magnetoencephalography (MEG) Data. **2019**, 24, 98	
590	Automated EEG Source Error Thresholding (AESET) in L2-Regularization Inverse Problems. **2019**,	
589	Detecting dynamic changes in modular organization of spontaneous brain activity: A preliminary study. **2019**,	
588	Effect of connectivity measures on the identification of brain functional core network at rest. **2019**, 2019, 6426-6429	1
587	A New Mutual Information Measure to Estimate Functional Connectivity: Preliminary Study. **2019**, 2019, 640-643	1
586	Electrophysiological correlates of feedback processing in subarachnoid hemorrhage patients. **2019**, 24, 102075	0
585	Recurrence is required to capture the representational dynamics of the human visual system. **2019**, 116, 21854-21863	109

584	Online Tracking of Canonical Brain Network Activation and Behavioral Prediction Using Bayesian Filtering. **2019**,	
583	There's no such thing as a "true" model: the challenge of assessing face validity*. **2019**,	0
582	Transcranial magnetic stimulation-evoked potentials after the stimulation of the right-hemispheric homologue of Broca's area. **2019**, 30, 1110-1114	0
581	EEG source localization using spatio-temporal neural network. **2019**, 16, 131-143	12
580	Sparse EEG Source Localization Under the Variational Bayesian Framework. **2019**,	
579	Somatosensory responses to nothing: An MEG study of expectations during omission of tactile stimulations. **2019**, 184, 78-89	16
578	Comparing the potential of MEG and EEG to uncover brain tracking of speech temporal envelope. **2019**, 184, 201-213	28
577	Composition of event concepts: Evidence for distinct roles for the left and right anterior temporal lobes. **2019**, 188, 18-27	12
576	How the brain makes sense beyond the processing of single words - An MEG study. **2019**, 186, 586-594	19
575	Maturation changes the excitability and effective connectivity of the frontal lobe: A developmental TMS-EEG study. **2019**, 40, 2320-2335	7
574	Biased emotional attention in patients with dental phobia. **2019**, 49, 290-302	3
573	EEG spectral powers and source localization in depressing, sad, and fun music videos focusing on gender differences. **2019**, 13, 161-173	25
572	Dynamic cortical connectivity alterations associated with Alzheimer's disease: An EEG and fNIRS integration study. **2019**, 21, 101622	29
571	Simulating human sleep spindle MEG and EEG from ion channel and circuit level dynamics. **2019**, 316, 46-57	1
570	A neural mechanism of direct and observational conditioning for placebo and nocebo responses. **2019**, 184, 954-963	17
569	Spatio-temporal patterns of cognitive control revealed with simultaneous electroencephalography and functional magnetic resonance imaging. **2019**, 40, 80-97	20
568	Synchronizing MIDI and wireless EEG measurements during natural piano performance. **2019**, 1716, 27-38	8
567	A Simulation Framework for Benchmarking EEG-Based Brain Connectivity Estimation Methodologies. **2019**, 32, 625-642	53

566	Overview of MEG. **2019**, 22, 95-115	5
565	Driver Fatigue Detection Through Chaotic Entropy Analysis of Cortical Sources Obtained From Scalp EEG Signals. **2020**, 21, 185-198	18
564	Post-hoc modification of linear models: Combining machine learning with domain information to make solid inferences from noisy data. **2020**, 204, 116221	5
563	Fear generalization of implicit conditioned facial features - Behavioral and magnetoencephalographic correlates. **2020**, 205, 116302	7
562	Robust Empirical Bayesian Reconstruction of Distributed Sources for Electromagnetic Brain Imaging. **2020**, 39, 567-577	11
561	EEG Artifact Removal in TMS Studies of Cortical Speech Areas. **2020**, 33, 1-9	6
560	Spatiotemporal dynamics of postoperative functional plasticity in patients with brain tumors in language areas. **2020**, 202, 104741	13
559	Development of a Polymer-Based MEG-Compatible Vibrotactile Stimulator for Studying Neuromagnetic Somatosensory Responses. **2020**, 8, 9235-9245	2
558	Cortical Connectivity Moderators of Antidepressant vs Placebo Treatment Response in Major Depressive Disorder: Secondary Analysis of a Randomized Clinical Trial. **2020**, 77, 397-408	22
557	EasyMEG: An easy-to-use toolbox for MEG analysis. **2020**, 186, 105199	
556	Altered modulation of beta band oscillations during memory encoding is predictive of lower subsequent recognition performance in post-traumatic stress disorder. **2020**, 25, 102154	4
555	Alpha Synchrony and the Neurofeedback Control of Spatial Attention. **2020**, 105, 577-587.e5	45
554	Distinct Patterns of Functional Connectivity During the Comprehension of Natural, Narrative Speech. **2020**, 30, 2050007	7
553	Decomposed Temporal Complexity Analysis of Neural Oscillations and Machine Learning Applied to Alzheimer's Disease Diagnosis. **2020**, 11, 531801	2
552	Effect of Age in Auditory Go/No-Go Tasks: A Magnetoencephalographic Study. **2020**, 10,	0
551	Electroencephalography source localization analysis in epileptic children during a visual working-memory task. **2020**, 36, e3404	1
550	Visual mismatch negativity elicited by semantic violations in visual words. **2020**, 1746, 147010	2
549	Understanding Requires Tracking: Noise and Knowledge Interact in Bilingual Comprehension. **2020**, 32, 1975-1983	4

548	A Novel Bayesian Approach for EEG Source Localization. **2020**, 2020, 8837954	2
547	Vibration Alert to the Brain: Evoked and Induced MEG Responses to High-Frequency Vibrotactile Stimuli on the Index Finger of Dominant and Non-dominant Hand. **2020**, 14, 576082	1
546	Neural Decoding of Multi-Modal Imagery Behavior Focusing on Temporal Complexity. **2020**, 11, 746	4
545	Neuromagnetic Amygdala Response to Pain-Related Fear as a Brain Signature of Fibromyalgia. **2020**, 9, 765-781	1
544	An eLORETA Longitudinal Analysis of Resting State EEG Rhythms in Alzheimer's Disease. **2020**, 10, 5666	2
543	Neural source localization using particle filter with optimal proportional set resampling. **2020**, 42, 932-942	2
542	Markers for the central serotonin system correlate to verbal ability and paralinguistic social voice processing in autism spectrum disorder. **2020**, 10, 14558	2
541	A Graph Theory-Based Modeling of Functional Brain Connectivity Based on EEG: A Systematic Review in the Context of Neuroergonomics. **2020**, 8, 155103-155135	18
540	Localization of neural activity from neuromagnetic data using varying-support sources. **2020**,	
539	Patient, interrupted: MEG oscillation dynamics reveal temporal dysconnectivity in schizophrenia. **2020**, 28, 102485	3
538	Cortical plasticity elicited by acoustically cued monetary losses: an ERP study. **2020**, 10, 21161	
537	Altered neural oscillations and connectivity in the beta band underlie detail-oriented visual processing in autism. **2020**, 28, 102484	5
536	Neurophysiological Correlates of Top-Down Phonological and Semantic Influence during the Orthographic Processing of Novel Visual Word-Forms. **2020**, 10,	4
535	Comparison of beamformer implementations for MEG source localization. **2020**, 216, 116797	14
534	Predictive regression modeling with MEG/EEG: from source power to signals and cognitive states. **2020**, 222, 116893	21
533	Neurophysiological Hallmarks of Neurodegenerative Cognitive Decline: The Study of Brain Connectivity as A Biomarker of Early Dementia. **2020**, 10,	12
532	Detection of interictal epileptiform discharges: A comparison of on-scalp MEG and conventional MEG measurements. **2020**, 131, 1711-1720	4
531	Accuracy and spatial properties of distributed magnetic source imaging techniques in the investigation of focal epilepsy patients. **2020**, 41, 3019-3033	15

530	Findings about LORETA Applied to High-Density EEG: A Review. **2020**, 9, 660	7
529	Feature optimization method for machine learning-based diagnosis of schizophrenia using magnetoencephalography. **2020**, 338, 108688	3
528	Neurophysiological signatures of hand motor response to dual-transcranial direct current stimulation in subacute stroke: a TMS and MEG study. **2020**, 17, 72	6
527	Irrelevant Predictions: Distractor Rhythmicity Modulates Neural Encoding in Auditory Cortex. **2020**, 30, 5792-5805	2
526	Brain activity reflects the predictability of word sequences in listened continuous speech. **2020**, 219, 116936	4
525	Acute aerobic exercise enhances pleasant compared to unpleasant visual scene processing. **2020**, 143, 105595	2
524	Subject-based dipole selection for decoding motor imagery tasks. **2020**, 402, 195-208	1
523	Natural scene representations in the gamma band are prototypical across subjects. **2020**, 221, 117010	1
522	Effects of Independent Component Analysis on Magnetoencephalography Source Localization in Pre-surgical Frontal Lobe Epilepsy Patients. **2020**, 11, 479	5
521	Rapid changes in brain activity during learning of grapheme-phoneme associations in adults. **2020**, 220, 117058	4
520	Magnetoencephalography resting state connectivity patterns as indicatives of surgical outcome in epilepsy patients. **2020**, 17, 035007	15
519	Brain Network Dynamics Correlate with Personality Traits. **2020**, 10, 108-120	8
518	Distributed source analysis of magnetoencephalography using a volume head model combined with statistical methods improves focus diagnosis in epilepsy surgery. **2020**, 10, 5263	0
517	Dysfunction of Inferior Parietal Lobule During Sensory Gating in Patients With Amnestic Mild Cognitive Impairment. **2020**, 12, 39	6
516	The Preponderant Role of Fusiform Face Area for the Facial Expression Confusion Effect: An MEG Study. **2020**, 433, 42-52	2
515	Low-Density EEG for Neural Activity Reconstruction Using Multivariate Empirical Mode Decomposition. **2020**, 14, 175	7
514	Secondary somatosensory area is involved in vibrotactile temporal-structure processing: MEG analysis of slow cortical potential shifts in humans. **2020**, 37, 222-232	2
513	Brain responses to human-voice processing predict child development and intelligence. **2020**, 41, 2292-2301	1

512	On the two-step estimation of the cross-power spectrum for dynamical linear inverse problems. **2020**, 36, 045010	5
511	The effects of NMDA receptor blockade on TMS-evoked EEG potentials from prefrontal and parietal cortex. **2020**, 10, 3168	17
510	Whole-brain electrophysiological functional connectivity dynamics in resting-state EEG. **2020**, 17, 026016	5
509	Quantitative spatio-temporal characterization of epileptic spikes using high density EEG: Differences between NREM sleep and REM sleep. **2020**, 10, 1673	9
508	Objective assessment of automatic language comprehension mechanisms in the brain: Novel E/MEG paradigm. **2020**, 57, e13543	4
507	Tracking the Effects of Top-Down Attention on Word Discrimination Using Frequency-tagged Neuromagnetic Responses. **2020**, 32, 877-888	2
506	The dynamics of pain reappraisal: the joint contribution of cognitive change and mental load. **2020**, 20, 276-293	4
505	Imaging brain extended sources from EEG/MEG based on variation sparsity using automatic relevance determination. **2020**, 389, 132-145	3
504	Altered functional connectivity between primary and secondary somatosensory areas in panic disorder. **2020**, 285, 112808	0
503	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. **2020**, 216, 116788	7
502	Timing of phase-amplitude coupling is essential for neuronal and functional maturation of audiovisual integration in adolescents. **2020**, 10, e01635	4
501	Contextual information resolves uncertainty about ambiguous facial emotions: Behavioral and magnetoencephalographic correlates. **2020**, 215, 116814	19
500	Can EEG and MEG detect signals from the human cerebellum?. **2020**, 215, 116817	31
499	Cortical source localization of sleep-stage specific oscillatory activity. **2020**, 10, 6976	9
498	Estimates of cortical column orientation improve MEG source inversion. **2020**, 216, 116862	7
497	Detection of nanotesla AC magnetic fields using steady-state SIRS and ultra-low field MRI. **2020**, 17, 034001	5
496	Subject, session and task effects on power, connectivity and network centrality: A source-based EEG study. **2020**, 59, 101891	5
495	Early diagnosis of Alzheimer's disease: the role of biomarkers including advanced EEG signal analysis. Report from the IFCN-sponsored panel of experts. **2020**, 131, 1287-1310	61

494	Noninvasive electromagnetic source imaging of spatiotemporally distributed epileptogenic brain sources. **2020**, 11, 1946	27
493	Cortical dynamics of speech-in-noise understanding. **2020**, 41, 400-403	2
492	Respective Contribution of Ictal and Inter-ictal Electrical Source Imaging to Epileptogenic Zone Localization. **2020**, 33, 384-402	3
491	RT-NET: real-time reconstruction of neural activity using high-density electroencephalography. **2021**, 19, 251-266	3
490	Brain mapping of auditory steady-state responses: A broad view of cortical and subcortical sources. **2021**, 42, 780-796	9
489	Dysfunctional frontal activation of mismatch negativity in panic disorder: A magnetoencephalographic study. **2021**, 280, 211-218	4
488	Altered effective brain network topology in tinnitus: An EEG source connectivity analysis. **2021**, 64, 102331	1
487	SimMEEG software for simulating event-related MEG and EEG data with underlying functional connectivity. **2021**, 350, 109017	3
486	Spatial fidelity of MEG/EEG source estimates: A general evaluation approach. **2021**, 224, 117430	12
485	Probabilistic Structure Learning for EEG/MEG Source Imaging With Hierarchical Graph Priors. **2021**, 40, 321-334	7
484	Correlated Brain Indexes of Semantic Prediction and Prediction Error: Brain Localization and Category Specificity. **2021**, 31, 1553-1568	5
483	Gating Patterns to Proprioceptive Stimulation in Various Cortical Areas: An MEG Study in Children and Adults using Spatial ICA. **2021**, 31, 1523-1537	2
482	Electroencephalographic Source Reconstruction by the Finite-Element Approximation of the Elliptic Cauchy Problem. **2021**, 68, 1811-1819	2
481	Enhanced Fast-VESTAL for Magnetoencephalography Source Imaging: From Theory to Clinical Application in Epilepsy. **2021**, 68, 793-806	2
480	Aberrant brain oscillatory coupling from the primary motor cortex in children with autism spectrum disorders. **2021**, 29, 102560	3
479	Functional connectivity of spoken language processing in early-stage Parkinson's disease: An MEG study. **2021**, 32, 102718	2
478	Event-Related Coherence in Visual Cortex and Brain Noise: An MEG Study. **2021**, 11, 375	4
477	Inverse Solution of Steady-State Responses Based on Sparse Bayesian Learning. **2021**, 9, 15133-15148	0

476	Source localization of epileptic spikes using Multiple Sparse Priors. **2021**, 132, 586-597	2
475	The dynamic modular fingerprints of the human brain at rest. **2021**, 227, 117674	2
474	Optimizing EEG source reconstruction with concurrent fMRI-derived spatial priors.	
473	The Benefits of Physical Activity in Individuals with Cardiovascular Risk Factors: A Longitudinal Investigation Using fNIRS and Dual-Task Walking. **2021**, 10,	0
472	Cortical Processing of Arithmetic and Simple Sentences in an Auditory Attention Task.	0
471	Diffuse optical reconstructions of fNIRS data using Maximum Entropy on the Mean.	1
470	MEG signatures of long-term effects of agreement and disagreement with the majority. **2021**, 11, 3297	0
469	Using magnetoencephalography to examine word recognition, lateralization, and future language skills in 14-month-old infants. **2021**, 47, 100901	5
468	Magnetoencephalography: physics, techniques, and applications in the basic and clinical neurosciences. **2021**, 125, 938-956	2
467	Symptom-Dependent Changes in MEG-Derived Neuroelectric Brain Activity in Traumatic Brain Injury Patients with Chronic Symptoms. **2021**, 9,	0
466	The Role of Spectral Complexity in Connectivity Estimation. **2021**, 10, 35	0
465	Differential neurodynamics and connectivity in the dorsal and ventral visual pathways during perception of emotional crowds and individuals: a MEG study. **2021**, 21, 776-792	1
464	Contextual MEG and EEG Source Estimates Using Spatiotemporal LSTM Networks. **2021**, 15, 552666	2
463	Deconvolution of hemodynamic responses along the cortical surface using personalized functional near infrared spectroscopy. **2021**, 11, 5964	4
462	Electroencephalography resting-state networks in people with Stroke. **2021**, 11, e02097	4
461	Activities of the Right Temporo-Parieto-Occipital Junction Reflect Spatial Hearing Ability in Cochlear Implant Users. **2021**, 15, 613101	1
460	Neural silences can be localized rapidly using noninvasive scalp EEG. **2021**, 4, 429	2
459	Modified covariance beamformer for solving MEG inverse problem in the environment with correlated sources. **2021**, 228, 117677	3

458	Behavioural variability and cortical electrophysiological signals depend on recent outcomes during human reinforcement motor learning.	
457	Distributed source modeling of intracranial stereoelectro-encephalographic measurements. **2021**, 230, 117746	2
456	Neuromagnetic evidence of abnormal automatic inhibitory function in subjective memory complaint. **2021**, 53, 3350-3361	3
455	Language Proficiency Entails Tuning Cortical Activity to Second Language Speech. **2021**, 31, 3820-3831	2
454	Neural entrainment to speech and nonspeech in dyslexia: Conceptual replication and extension of previous investigations. **2021**, 137, 160-178	4
453	Incorporating Transmission Delays Supported By Diffusion Mri In Meg Source Reconstruction. **2021**,	
452	Testing covariance models for MEG source reconstruction of hippocampal activity.	1
451	Increased early motivational response to food in adolescent anorexia nervosa revealed by magnetoencephalography. **2021**, 1-9	1
450	Facial emotion perception in young female students with subsyndromal panic disorder. Behavioral and ERP study. **2021**, 162, 108084	
449	Neocortical Localization and Thalamocortical Modulation of Neuronal Hyperexcitability in Fragile X Syndrome.	2
448	An Investigation of Neural Mechanisms Underlying Verb Morphology Deficits in Aphasia.	
447	How cerebral cortex protects itself from interictal spikes: The alpha/beta inhibition mechanism. **2021**, 42, 3352-3365	4
446	Semantic and syntactic composition of minimal adjective-noun phrases in Dutch: An MEG study. **2021**, 155, 107754	7
445	The "when" and "where" of the interplay between attentional capture and response inhibition during a Go/NoGo variant. **2021**, 231, 117837	1
444	Development of the visual white matter pathways mediates development of electrophysiological responses in visual cortex.	
443	Chronic pain-related cortical neural activity in patients with complex regional pain syndrome. **2021**, 10, 208-215	0
442	Perturbation of resting-state network nodes preferentially propagates to structurally rather than functionally connected regions. **2021**, 11, 12458	1
441	ConvDip: A Convolutional Neural Network for Better EEG Source Imaging. **2021**, 15, 569918	2

440	Measuring the cortical tracking of speech with optically-pumped magnetometers. **2021**, 233, 117969	8
439	Disentangling Semantic Composition and Semantic Association in the Left Temporal Lobe. **2021**, 41, 6526-6538	1
438	Detection and localization of deep sources in magnetoencephalography: A review. **2021**, 18, 100285	3
437	Exploring the extent of source imaging: Recent advances in noninvasive electromagnetic brain imaging. **2021**, 18, 100277	7
436	Task modulation of spatiotemporal dynamics in semantic brain networks: an EEG/MEG study.	
435	Advances in Electrical Source Imaging: A Review of the Current Approaches, Applications and Challenges. **2021**, 2, 378-391	0
434	Neurophysiological Evaluation of Right-Ear Advantage During Dichotic Listening. **2021**, 12, 696263	1
433	Mean-Field Modeling of Brain-Scale Dynamics for the Evaluation of EEG Source-Space Networks. **2021**, 1	0
432	A systematic evaluation of source reconstruction of resting MEG of the human brain with a new high-resolution atlas: Performance, precision, and parcellation. **2021**, 42, 4685-4707	7
431	Pre-stimulus alpha oscillation and post-stimulus cortical activity differ in localization between consciously perceived and missed near-threshold somatosensory stimuli. **2021**, 54, 5518-5530	1
430	How the conceptual specificity of individual words affects incremental sentence composition: MEG evidence. **2021**, 218, 104951	0
429	Emotional arousal due to video stimuli reduces local and inter-regional synchronization of oscillatory cortical activities in alpha- and beta-bands. **2021**, 16, e0255032	2
428	The role of reading experience in atypical cortical tracking of speech and speech-in-noise in dyslexia.	
427	Presurgical Evaluation of Epilepsy Using Resting-State MEG Functional Connectivity. **2021**, 15, 649074	1
426	Edge Sparse Basis Network: A Deep Learning Framework for EEG Source Localization. **2021**,	1
425	Parallel processing in speech perception: Local and global representations of linguistic context.	0
424	The neural representation of abstract words may arise through grounding word meaning in language itself. **2021**, 42, 4973-4984	2
423	Transcranial Direct Current Stimulation of the Ventromedial Prefrontal Cortex Modulates Perceptual and Neural Patterns of Fear Generalization. **2021**, 7, 210-210	2

422	Cortical Processing of Arithmetic and Simple Sentences in an Auditory Attention Task. **2021**, 41, 8023-8039	2
421	Biophysical network models of phase-synchronization in MEG resting-state.	
420	Ensemble multi-modal brain source localization using theory of evidence. **2021**, 69, 102668	
419	Altered mismatch response of inferior parietal lobule in amnestic mild cognitive impairment: A magnetoencephalographic study. **2021**, 27, 1136-1145	2
418	Evaluation of a personalized functional near infra-red optical tomography workflow using maximum entropy on the mean. **2021**, 42, 4823-4843	4
417	Decoding Object-Based Auditory Attention from Source-Reconstructed MEG Alpha Oscillations. **2021**, 41, 8603-8617	7
416	Altered maturation and atypical cortical processing of spoken sentences in autism spectrum disorder. **2021**, 203, 102077	0
415	The Role of the Dorsal-Lateral Prefrontal Cortex in Reward Sensitivity During Approach-Avoidance Conflict. **2021**,	1
414	MEG current source reconstruction using a meta-analysis fMRI prior. **2021**, 236, 118034	0
413	Recent Developments in Spatio-Temporal EEG Source Reconstruction Techniques. 1	0
412	Comparison of Causality Network Estimation in the Sensor and Source Space: Simulation and Application on EEG. **2021**, 1,	1
411	Development of the visual white matter pathways mediates development of electrophysiological responses in visual cortex. **2021**, 42, 5785-5797	1
410	Alterations in the Magnetoencephalography Default Mode Effective Connectivity following Concussion. **2021**, 42, 1776-1782	
409	Predicting motor behavior: an efficient EEG signal processing pipeline to detect brain states with potential therapeutic relevance for VR-based neurorehabilitation. 1	1
408	. **2021**, 21, 18626-18632	4
407	An in-vivo validation of ESI methods with focal sources.	0
406	Testing covariance models for MEG source reconstruction of hippocampal activity. **2021**, 11, 17615	2
405	Association between the total amount of electromagnetic cortical neuronal activity and a decline in motivation. **2021**, 9, e15028	

404	Inflection across Categories: Tracking Abstract Morphological Processing in Language Production with MEG. **2021**,	0
403	Unification of sparse Bayesian learning algorithms for electromagnetic brain imaging with the majorization minimization framework. **2021**, 239, 118309	3
402	Multi-Angular Electroretinography (maERG): Topographic Mapping of the Retinal Function Combining Real and Virtual Electrodes. **2021**, 68, 3173-3183	
401	fMRI-SI-STBF: An fMRI-informed Bayesian electromagnetic spatio-temporal extended source imaging. **2021**, 462, 14-30	
400	Enhancing visual motion discrimination by desynchronizing bifocal oscillatory activity. **2021**, 240, 118299	0
399	Methods Used in Brain Connectivity: Focus on Electrophysiological Measures. **2022**, 155-162	
398	Somatosensory Gating Responses Are Associated with Prognosis in Patients with Migraine. **2021**, 11,	0
397	Post-traumatic stress disorder is associated with alterations in evoked cortical activation during visual recognition of scenes. **2021**, 31, 102752	
396	Coherence Between Brain Activation and Speech Envelope at Word and Sentence Levels Showed Age-Related Differences in Low Frequency Bands. **2021**, 2, 226-253	1
395	Multivariate extension of phase synchronization improves the estimation of region-to-region source space functional connectivity. **2021**, 2, 100021	1
394	. **2021**, 9, 86899-86913	2
393	Adaptation to mis-pronounced speech: evidence for a prefrontal-cortex repair mechanism. **2021**, 11, 97	3
392	Auditory Evoked Potentials and Their Utility in the Assessment of Complex Sound Processing. **2011**, 535-559	11
391	Electrophysiological Mapping and Neuroimaging. **2013**, 499-543	11
390	Imaging Brain Electrial Activity. **2000**, 73-119	4
389	Deep Learning for Non-invasive Cortical Potential Imaging. **2020**, 45-55	3
388	Inverse Modeling for MEG/EEG Data. **2017**, 239-253	2
387	Magnetic Measurements in Plant Electrophysiology. **2006**, 187-218	1

386	Functional brain imaging with M/EEG using structured sparsity in time-frequency dictionaries. **2011**, 22, 600-11	17
385	Smartphones Get Emotional: Mind Reading Images and Reconstructing the Neural Sources. **2011**, 578-587	14
384	MEG-SIM Web Portal: A Database of Realistic Simulated and Empirical MEG Data for Testing Algorithms. **2014**, 285-307	1
383	An Introduction to MEG Connectivity Measurements. **2014**, 321-358	5
382	Pediatric MEG: Investigating Spatio-Temporal Connectivity of Developing Networks. **2014**, 525-555	1
381	MEG and Multimodal Integration. **2014**, 183-198	1
380	The Dynamic Beamformer. **2012**, 148-155	1
379	Mapping of the neuronal networks of human cortical brain functions. **2003**, 28, 91-142	17
378	Magnetic Source Imaging: A Suitable Tool of Exploring the Neurophysiology of Typical and Impaired Reading Ability. **2012**, 25-47	1
377	Expectation maximization algorithm with a nonlinear Kalman smoother for MEG/EEG connectivity estimation. **2018**, 763-766	2
376	Bayesian inversion of EEG models. **2007**, 367-376	5
375	The causal role of prefrontal hemispheric asymmetry in valence processing of words - Insights from a combined cTBS-MEG study. **2019**, 191, 367-379	19
374	Multi-subject MEG/EEG source imaging with sparse multi-task regression. **2020**, 220, 116847	5
373	Introduction to Human Neuroimaging. **2019**,	3
372	The Tortured Brain. **2011**, 219, 167-174	10
371	Dynamic functional neuroimaging integrating multiple modalities. **2001**, 354-383	2
370	Linear and nonlinear current density reconstructions. **1999**, 16, 267-95	345
369	Consistency of EEG source localization and connectivity estimates.	1

368	Measuring MEG closer to the brain: Performance of on-scalp sensor arrays.	2
367	Inverse Modeling for MEG/EEG Data.	1
366	Cortical source imaging of resting-state MEG with a high resolution atlas: An evaluation of methods.	0
365	Semantic and syntactic composition of minimal adjective-noun phrases in Dutch: an MEG study.	1
364	ConvDip: A convolutional neural network for better EEG Source Imaging.	3
363	A visual encoding model links magnetoencephalography signals to neural synchrony in human cortex.	4
362	Unification of Sparse Bayesian Learning Algorithms for Electromagnetic Brain Imaging with the Majorization Minimization Framework.	1
361	Disentangling semantic composition and semantic association in the left temporal lobe.	1
360	Cortical processing of reference in language revealed by computational models.	2
359	Simulating human sleep spindle MEG and EEG from ion channel and circuit level dynamics.	1
358	Neural Coding of Noisy and Reverberant Speech in Human Auditory Cortex.	2
357	Locating highly correlated sources from MEG with (recursive) (R)DS-MUSIC.	2
356	Comparing EEG/MEG neuroimaging methods based on localization error, false positive activity, and false positive connectivity.	12
355	TMS orientation and pulse waveform manipulation activates different neural populations: direct evidence from TMS-EEG.	3
354	Self-similarity and multifractality in human brain activity: a wavelet-based analysis of scale-free brain dynamics?.	2
353	Transformation from auditory to linguistic representations across auditory cortex is rapid and attention dependent for continuous speech.	2
352	Populational Super-Resolution Sparse M/EEG Sources and Connectivity Estimation.	3
351	EECoG-Comp: An Open Source Platform for Concurrent EEG/ECoG Comparisons: applications to connectivity stuides.	0

350	TMS-evoked EEG potentials from prefrontal and parietal cortex: reliability, site specificity, and effects of NMDA receptor blockade.	1
349	Choice of Contact Points Modulates Sensorimotor Cortical Interactions for Dexterous Manipulation.	2
348	Low-Density EEG for Neural Activity Reconstruction Using Multivariate Empirical Mode Decomposition.	1
347	Estimates of cortical column orientation improve MEG source inversion.	2
346	Improving source modeling of auditory steady-state responses with frequency-specific brain maps.	1
345	Neural speech restoration at the cocktail party: Auditory cortex recovers masked speech of both attended and ignored speakers.	4
344	Neural speech restoration at the cocktail party: Auditory cortex recovers masked speech of both attended and ignored speakers. **2020**, 18, e3000883	17
343	Dynamic decomposition of spatiotemporal neural signals. **2017**, 13, e1005540	4
342	Relating dynamic brain states to dynamic machine states: Human and machine solutions to the speech recognition problem. **2017**, 13, e1005617	2
341	Early category-specific cortical activation revealed by visual stimulus inversion. **2008**, 3, e3503	45
340	Divergent cortical generators of MEG and EEG during human sleep spindles suggested by distributed source modeling. **2010**, 5, e11454	34
339	Auditory cortex responses to clicks and sensory modulation difficulties in children with autism spectrum disorders (ASD). **2012**, 7, e39906	38
338	Source reconstruction accuracy of MEG and EEG Bayesian inversion approaches. **2012**, 7, e51985	64
337	MEG source localization of spatially extended generators of epileptic activity: comparing entropic and hierarchical bayesian approaches. **2013**, 8, e55969	78
336	A beamformer analysis of MEG data reveals frontal generators of the musically elicited mismatch negativity. **2013**, 8, e61296	26
335	Electric Field Encephalography as a tool for functional brain research: a modeling study. **2013**, 8, e67692	6
334	Neural correlates of speech processing in prelingually deafened children and adolescents with cochlear implants. **2013**, 8, e67696	22
333	Altered oscillation and synchronization of default-mode network activity in mild Alzheimer's disease compared to mild cognitive impairment: an electrophysiological study. **2013**, 8, e68792	52

332	Early prefrontal brain responses to the Hedonic quality of emotional words--a simultaneous EEG and MEG study. **2013**, 8, e70788	31
331	Early affective processing in patients with acute posttraumatic stress disorder: magnetoencephalographic correlates. **2013**, 8, e71289	9
330	Different cortical dynamics in face and body perception: an MEG study. **2013**, 8, e71408	29
329	EEG source connectivity analysis: from dense array recordings to brain networks. **2014**, 9, e105041	122
328	Enhancing inhibition-induced plasticity in tinnitus--spectral energy contrasts in tailor-made notched music matter. **2015**, 10, e0126494	12
327	Song Perception by Professional Singers and Actors: An MEG Study. **2016**, 11, e0147986	4
326	On the Potential of a New Generation of Magnetometers for MEG: A Beamformer Simulation Study. **2016**, 11, e0157655	81
325	When Hearing Is Tricky: Speech Processing Strategies in Prelingually Deafened Children and Adolescents with Cochlear Implants Having Good and Poor Speech Performance. **2017**, 12, e0168655	8
324	Children show right-lateralized effects of spoken word-form learning. **2017**, 12, e0171034	13
323	Similarities and differences between on-scalp and conventional in-helmet magnetoencephalography recordings. **2017**, 12, e0178602	19
322	Repeated noninvasive stimulation of the ventromedial prefrontal cortex reveals cumulative amplification of pleasant compared to unpleasant scene processing: A single subject pilot study. **2020**, 15, e0222057	4
321	Quantitative Evaluation in Estimating Sources Underlying Brain Oscillations Using Current Source Density Methods and Beamformer Approaches. **2019**, 6,	21
320	Whole-Brain Source-Reconstructed MEG-Data Reveal Reduced Long-Range Synchronization in Chronic Schizophrenia. **2017**, 4,	22
319	Predicting Neural Response Latency of the Human Early Visual Cortex from MRI-Based Tissue Measurements of the Optic Radiation. **2020**, 7,	5
318	Subjective cognitive decline detected by the oscillatory connectivity in the default mode network: a magnetoencephalographic study. **2020**, 12, 3911-3925	2
317	Age- and gender-specific characteristics of the resting-state brain activity: a magnetoencephalography study. **2020**, 12, 21613-21637	8
316	The influence of mood on visual perception of neutral material. **2018**, 78, 163-172	1
315	Neuromagnetic analysis of the late phase of the readiness field for precise hand movements using magnetoencephalography. **2004**, 45, 9-17	2

314	Localization of MEG human brain responses to retinotopic visual stimuli with contrasting source reconstruction approaches. **2014**, 8, 127	9
313	New levels of language processing complexity and organization revealed by granger causation. **2012**, 3, 506	10
312	Neurophysiological Face Processing Deficits in Patients With Chronic Schizophrenia: An MEG Study. **2020**, 11, 554844	1
311	On the Variability of Functional Connectivity and Network Measures in Source-Reconstructed EEG Time-Series. **2020**, 23,	2
310	Cross-frequency synchronization connects networks of fast and slow oscillations during visual working memory maintenance. **2016**, 5,	58
309	Combining magnetoencephalography with magnetic resonance imaging enhances learning of surrogate-biomarkers. **2020**, 9,	30
308	Low-frequency neural activity reflects rule-based chunking during speech listening. **2020**, 9,	10
307	Localization of Brain Sources. **2021**, 307-349	
306	Age-related trends in the cortical sources of transient beta bursts during a sensorimotor task and rest. **2021**, 245, 118670	0
305	Bilaterally Reduced Rolandic Beta Band Activity in Minor Stroke Patients.	3
304	Neural correlates of intra-saccadic motion perception. **2021**, 21, 19	1
303	Selective auditory attention within naturalistic scenes modulates reactivity to speech sounds. **2021**, 54, 7626-7641	0
302	Assessing HD-EEG functional connectivity states using a human brain computational model.	0
301	The Global Configuration of Visual Stimuli Alters Co-Fluctuations of Cross-Hemispheric Human Brain Activity. **2021**, 41, 9756-9766	0
300	Local brain-state dependency of effective connectivity: evidence from TMS□EEG.	
299	Bilateral Representation of Sensorimotor Responses in Benign Adult Familial Myoclonus Epilepsy: An MEG Study. **2021**, 12, 759866	0
298	A visual encoding model links magnetoencephalography signals to neural synchrony in human cortex. **2021**, 245, 118655	1
297	Cortical Excitability and Connectivity Reflected in fMRI, MEG, EEG, and TMS. **2000**, 453-463	1

296	Towards a Standardized Representation of Neuromagnetic Data. **2000**, 286-289	
295	Current Source Estimation in Rats with Coronary Occlusion by Minimum Norm Estimation.. **2001**, 25, 1123-1126	
294	Spatio-Temporal Current Density Reconstruction from EEG-/MEG-Data. **2003**, 472-482	
293	Distributed Source Modeling in the Analysis of Movement-Related Activity. **2003**, 79-93	
292	Wavelet and other Algorithm Techniques in Model Evaluation of Human Cerebral Functioning. **2003** , 707-737	
291	The Imaging of a Magnetic Source. **2004**, 117-204	
290	Neuromagnetic Source Reconstruction and Inverse Modeling. **2004**, 213-250	1
289	Magnetoencephalography (MEG). **2005**, 752-767	
288	Robust MEG Source Localization of Event Related Potentials: Identifying Relevant Sources by Non-Gaussianity. **2006**, 394-403	1
287	Bayesian inversion for induced responses. **2007**, 377-390	
286	What Can fMRI Add to the ERP Story?. **2009**, 83-95	1
285	Magnetoencephalography in Clinical Epilepsy. **2010**, 283-299	
284	Comparison of three methods for localizing interictal epileptiform discharges with magnetoencephalography. **2011**, 28, 431-40	9
283	Multimodal Neuroimaging to Visualize Human Visual Processing. **2013**, 274-282	
282	EEG and MEG Source Localization. 325-359	
281	Noninvasive Neurophysiological Imaging with Magnetoencephalography. **2014**, 293-311	
280	Cognitive Science: History, Techniques and Methodology. **2014**, 1-17	
279	Presurgical MEG to Forecast Pediatric Cortical Epilepsies. **2014**, 921-931	

278 Recent Developments in MEG Network Analysis. **2014**, 263-277

277 Minimum-Norm-Based Source Imaging Algorithms. **2015**, 9-28

276 Neurocognitive Aspects of Musical Improvisation and Performance. **2016**, 261-279 1

275 Biomagnetic Measurements. **2015**, 89-120

274 Basic Functions and Clinical Applications. **2016**, 35-52

273 Estimating Learning Effects: A Short-Time Fourier Transform Regression Model for MEG Source Localization. **2016**, 9444, 69-82 1

272 Relating dynamic brain states to dynamic machine states: human and machine solutions to the speech recognition problem.

271 Optimal use of EEG recordings to target active brain areas with transcranial electrical stimulation. 1

270 The Semantics of Adjective Noun Phrases in the Human Brain. 1

269 Inter-Subject Alignment of MEG Datasets in a Common Representational Space.

268 Adaptive Cortical Parcellations for Source Reconstructed EEG/MEG Connectomes.

267 A comparison between scalp- and source-reconstructed EEG networks. 1

266 Focal versus distributed temporal cortex activity for speech sound category assignment.

265 Non-invasive laminar inference with MEG: Comparison of methods and source inversion algorithms. 2

264 Requirements for coregistration accuracy in on-scalp MEG. 1

263 Neural source dynamics of brain responses to continuous stimuli: speech processing from acoustics to comprehension.

262 Shared High Value Research Resources: The CamCAN Human Lifespan Neuroimaging Dataset Processed on the Open Science Grid.

261 Hyperedge bundling: A practical solution to spurious interactions in MEG/EEG source connectivity analyses.

260	Ghost interactions in MEG/EEG source space: A note of caution on inter-areal coupling measures.	1
259	Left-Lateralized Contributions of Saccades to Cortical Activity during a One-Back Word Recognition Task.	
258	Estimating Latent Brain Sources with Low-Rank Representation and Graph Regularization. **2018**, 304-316	1
257	Task-Related EEG Source Localization via Graph Regularized Low-Rank Representation Model.	
256	Somatosensory responses to nothing: an MEG study of expectations during omission of tactile stimulations.	
255	Cracking the problem of neural representations of abstract words: grounding word meanings in language itself.	
254	Performance evaluation of inverse methods for identification and characterization of oscillatory brain sources: Ground truth validation & empirical evidences.	
253	MEG and Multimodal Integration. **2019**, 259-278	0
252	An Introduction to MEG Connectivity Measurements. **2019**, 433-470	
251	MEG-SIM Web Portal: A Database of Realistic Simulated and Empirical MEG Data for Testing Algorithms. **2019**, 1-23	
250	Presurgical MEG to Forecast Pediatric Cortical Epilepsies. **2019**, 1067-1077	
249	Presurgical MEG to Forecast Pediatric Cortical Epilepsies. **2019**, 1-11	
248	Source Analysis. **2019**, 159-189	1
247	Bayesian Algorithm Based Localization of EEG Recorded Electromagnetic Brain Activity. **2019**, 15, 184-193	
246	Recent Developments in MEG Network Analysis. **2019**, 631-645	0
245	Brain Dynamics in Pediatric MEG. **2019**, 695-731	
244	Post-hoc modification of linear models: combining machine learning with domain information to make solid inferences from noisy data.	1
243	MEG-SIM Web Portal: A Database of Realistic Simulated and Empirical MEG Data for Testing Algorithms. **2019**, 407-429	

242 An Introduction to MEG Connectivity Measurements. **2019**, 1-38

241 MEG and Multimodal Integration. **2019**, 1-20

240 Brain Dynamics in Pediatric MEG. **2019**, 1-37

239 Simultaneous Smelling an Incense Outdoor and Putting the Hands Together Activate Specific Brain Areas.

238 Modeling the Switching behavior of Functional Connectivity Microstates (FCStates) as a Novel Biomarker for Mild Cognitive Impairment.

237 Introduction to Human Neuroimaging. **2019**, 325-342

236 Introduction to Human Neuroimaging. **2019**, 343-350

235 Introduction to Human Neuroimaging. **2019**, 142-162

234 Introduction to Human Neuroimaging. **2019**, 209-230

233 Introduction to Human Neuroimaging. **2019**, 127-141 1

232 Introduction to Human Neuroimaging. **2019**, 79-101

231 Introduction to Human Neuroimaging. **2019**, 275-276

230 Comparison of EEG source reconstructed functional networks in healthy subjects elicited during visual oddball task.

229 Auditory cortical generators of the Frequency Following Response are modulated by intermodal attention. 0

228 Introduction to Human Neuroimaging. **2019**, 292-308

227 Introduction to Human Neuroimaging. **2019**, 163-190

226 Introduction to Human Neuroimaging. **2019**, 309-324

225 Introduction to Human Neuroimaging. **2019**, 252-274

224	Introduction to Human Neuroimaging. **2019**, xv-xviii	
223	Introduction to Human Neuroimaging. **2019**, 48-76	
222	Introduction to Human Neuroimaging. **2019**, 1-28	
221	Introduction to Human Neuroimaging. **2019**, 31-47	
220	Introduction to Human Neuroimaging. **2019**, 77-78	
219	Introduction to Human Neuroimaging. **2019**, 277-291	
218	Introduction to Human Neuroimaging. **2019**, 102-126	
217	Introduction to Human Neuroimaging. **2019**, 191-192	
216	Introduction to Human Neuroimaging. **2019**, 193-208	
215	Introduction to Human Neuroimaging. **2019**, 231-251	
214	Introduction to Human Neuroimaging. **2019**, 29-30	
213	Subject, session and task effects on power, connectivity and network centrality: a source-based EEG study.	
212	Modified covariance beamformer for solving MEG inverse problem in the environment with correlated sources.	
211	Brain network dynamics correlate with personality traits.	1
210	Low-frequency Neural Activity Reflects Rule-based Chunking during Speech Listening.	
209	Repeated noninvasive stimulation of the ventromedial prefrontal cortex reveals cumulative amplification of pleasant compared to unpleasant scene processing: a single subject pilot study.	
208	Dynamic time-locking mechanism in the cortical representation of spoken words.	
207	Comparison of beamformer implementations for MEG source localization.	0

206	Predictive regression modeling with MEG/EEG: from source power to signals and cognitive states.	1
205	Neural adaptation to accented speech: prefrontal cortex aids attunement in auditory cortices.	
204	Detection of interictal epileptiform discharges: A comparison of on-scalp MEG and conventional MEG measurements.	
203	Combining electrophysiology with MRI enhances learning of surrogate-biomarkers.	
202	SIFNet: Electromagnetic Source Imaging Framework Using Deep Neural Networks.	0
201	Child specific activation in left auditory cortex predicts behavioral performance in inhibition tasks.	
200	The dynamic modular fingerprints of the human brain at rest.	0
199	Distinct Regional Oscillatory Connectivity Patterns During Auditory Target and Novelty Processing. **2020**, 33, 477-488	0
198	Dynamic Time-Locking Mechanism in the Cortical Representation of Spoken Words. **2020**, 7,	2
197	Timecourse and convergence of abstract and concrete knowledge in the anterior temporal lobe.	
196	Deep Learning for Non-Invasive Cortical Potential Imaging.	
195	Interictal epileptiform discharges in focal epilepsy are preceded by a gradual increase in low-frequency oscillations.	
194	Distributed source modeling of intracranial stereoelectroencephalographic measurements.	
193	FEM-based Scalp-to-Cortex EEG data mapping via the solution of the Cauchy problem. **2020**, 28, 517-532	3
192	Default mode network and attention network in unconscious processing. **2021**,	0
191	Diffuse Optical Tomography Using fNIRS Signals Measured from the Skull Surface of the Macaque Monkey.. **2022**, 3, tgab064	0
190	Irrelevant Predictions: Distractor Rhythmicity Modulates Neural Encoding in Auditory Cortex.	
189	Improving temporal resolution of fNIRS-DOT by the guidance of data-reduced pre-OT. **2020**,	

188	Rapid changes in brain activity during learning of grapheme-phoneme associations in adults.	1
187	Brain network effects by continuous theta burst stimulation in mal de débarquement syndrome: simultaneous EEG and fMRI study. **2021**, 18,	1
186	Composition within and between Languages in the Bilingual Mind: MEG Evidence from Korean/English Bilinguals. **2021**, 8,	0
185	Revisiting the relationship between neural correlates of sensory gating and self-reported sensory gating inventory: An MEG investigation. **2022**, 766, 136336	
184	Face Recognition Brain Functional Connectivity in Patients With Major Depression: A Brain Source Localization Study by ERP. **2021**, 12, 662502	
183	Linear distributed inverse solutions for interictal EEG source localisation. **2021**, 133, 58-67	0
182	Recording brain responses to TMS of primary motor cortex by EEG - utility of an optimized sham procedure. **2021**, 245, 118708	4
181	eLORETA Active Source Reconstruction Applied to HD-EEG in Alzheimer□ Disease. **2021**, 575-583	
180	MEG Source Localization under Multiple Constraints: An Extended Bayesian Framework. **2007**, 383-395	0
179	Transkranielle Magnetstimulation und Elektroenzephalografie. **2007**, 345-353	0
178	Joint estimation of neural sources and their functional connections from MEG data.	1
177	Mean-field modeling of brain-scale dynamics for the evaluation of EEG source-space networks.	0
176	Bifocal tACS Enhances Visual Motion Discrimination by Modulating Phase Amplitude Coupling Between V1 and V5 Regions.	1
175	Comparison Between Conventional SQUID Based and Novel OPM Based Measuring Systems in MEG. **2021**, 254-261	1
174	Quantifying time-varying sources in magnetoencephalography□A discrete approach. **2020**, 14,	
173	Head position in the MEG helmet affects the sensitivity to anterior sources. **2004**, 2004, 30	19
172	Emotion discrimination using source connectivity analysis based on dynamic ROI identification. **2022**, 72, 103332	1
171	Task modulation of spatiotemporal dynamics in semantic brain networks: An EEG/MEG study. **2021**, 246, 118768	2

170	Phase-dependent local brain states determine the impact of image-guided TMS on motor network EEG synchronization. **2021**,	1
169	Sharing individualised template MRI data for MEG source reconstruction: a solution for open data while keeping subject confidentiality.	
168	Automated methodology for optimal selection of the minimum electrode subset for accurate EEG source localization based on Genetic Algorithm optimization.	0
167	Altered brain criticality in Schizophrenia: New insights from MEG.	
166	Neurofeedback modulation of the sound-induced flash illusion using parietal cortex alpha oscillations reveals dependency on prior multisensory congruency. **2021**, 482, 1-1	0
165	An exploratory study of EEG connectivity during the first year of life in preterm and full-term infants.	
164	Aging-Related Changes in Cortical Sources of Sleep Oscillatory Neural Activity Following Motor Learning Reflect Contributions of Cortical Thickness and Pre-sleep Functional Activity.. **2021**, 13, 787654	0
163	A unified view on beamformers for M/EEG source reconstruction. **2021**, 246, 118789	3
162	Resting state network connectivity is attenuated by fMRI acoustic noise.. **2021**, 247, 118791	2
161	Interference suppression techniques for OPM-based MEG: Opportunities and challenges.. **2021**, 247, 118834	3
160	Electrophysiological Resting State Brain Network and Episodic Memory in Healthy Aging Adults.. **2022**, 118926	0
159	Combined Yoga and Transcranial Direct Current Stimulation Increase Functional Connectivity and Synchronization in the Frontal Areas.. **2022**, 35, 207	0
158	Algorithms for Estimating Time-Locked Neural Response Components in Cortical Processing of Continuous Speech.	0
157	Parallel processing in speech perception with local and global representations of linguistic context.. **2022**, 11,	3
156	Decoding motor imagery tasks using ESI and hybrid feature CNN.. **2022**,	1
155	Critical-like bistable dynamics in the resting-state human brain.	0
154	Early Form-Based Morphological Decomposition in Tagalog: MEG Evidence from Reduplication, Infixation, and Circumfixation. 1-21	
153	Transforming and comparing data between standard SQUID and OPM-MEG systems.. **2022**, 17, e0262669	2

152	Neurodevelopmental oscillatory basis of speech processing in noise.	
151	Late responses in the anterior insula reflect the cognitive component of pain: evidence of nonpain processing.. **2022**, 7, e984	1
150	EEG-based functional connectivity and executive control in patients with Parkinson's disease and freezing of gait.. **2022**,	0
149	A harmonic function method for EEG source reconstruction. **2022**, 30, 492-514	
148	Optimizing EEG Source Reconstruction with Concurrent fMRI-Derived Spatial Priors.. **2022**, 1	
147	Multi-modal imaging of the auditory-larynx motor network for voicing perception.. **2022**, 118981	0
146	Dynamic brainstem and somatosensory cortical excitability during migraine cycles.. **2022**, 23, 21	1
145	Diffuse optical reconstructions of functional near infrared spectroscopy data using maximum entropy on the mean.. **2022**, 12, 2316	0
144	Minimum-norm Estimation of TMS-activated Motor Cortical Sites in Realistic Head and Brain Geometry.. **2022**, PP,	
143	Mapping Brain Networks Using Multimodal Data. **2022**, 1-51	
142	Noninvasive stimulation of the ventromedial prefrontal cortex modulates rationality of human decision-making.	
141	Decoding motor expertise from fine-tuned oscillatory network organization.. **2022**,	0
140	Bilaterally Reduced Rolandic Beta Band Activity in Minor Stroke Patients.. **2022**, 13, 819603	0
139	Good Scientific Practice in MEEG Research: Progress and Perspectives.. **2022**, 119056	2
138	Spatio-Temporal Brain Dynamic Differences in Fluid Intelligence.. **2022**, 16, 820780	0
137	Ultra-rapid and automatic interplay between L1 and L2 semantics in late bilinguals: EEG evidence.. **2022**, 151, 147-161	0
136	Recurrent Model of Brain Activity Based on the Markov Chain in the Time Domain. **2022**,	
135	NLGC: Network Localized Granger Causality with Application to MEG Directional Functional Connectivity Analysis.	0

134	Altered Brain Criticality in Schizophrenia: New Insights From Magnetoencephalography.. **2022**, 16, 630621	0
133	Local brain-state dependency of effective connectivity: a pilot TMS□EEG study. 2, 45	
132	Interictal epileptiform discharges in focal epilepsy are preceded by increase in low-frequency oscillations.. **2022**, 136, 191-205	2
131	The role of reading experience in atypical cortical tracking of speech and speech-in-noise in dyslexia.. **2022**, 253, 119061	1
130	N400 correlate of brand associations. **2022**, 90, 102506	
129	Sharing individualised template MRI data for MEG source reconstruction: a solution for open data while keeping subject confidentiality.. **2022**, 119165	1
128	Informed MEG/EEG source imaging reveals the locations of interictal spikes missed by SEEG.. **2022**, 254, 119132	
127	MEG-Derived Symptom-Sensitive Biomarkers with Long-Term Test-Retest Reliability.. **2021**, 12,	1
126	Impaired dynamics of prefrontal beta-band networks during cognitive action control in Parkinson□ disease.	
125	Bioelectromagnetism in Human Brain Research: New Applications, New Questions. **2021**, 10738584211054742	1
124	Assessment of Effective Network Connectivity among MEG None Contaminated Epileptic Transitory Events.. **2021**, 2021, 6406362	
123	Magnetoencephalography Studies of the Envelope Following Response During Amplitude-Modulated Sweeps: Diminished Phase Synchrony in Autism Spectrum Disorder.. **2021**, 15, 787229	0
122	Reconstructing subcortical and cortical somatosensory activity via the RAMUS inverse source analysis technique using median nerve SEP data. **2021**, 245, 118726	1
121	Brain-wide neural co-activations in resting human.	0
120	Long-Short Term Memory Networks for Electric Source Imaging with Distributed Dipole Models.	0
119	Extended Brain Sources Estimation via Unrolled Optimization Neural Network.	1
118	Functional Brain Dysconnectivity in Parkinson's Disease: A 5-Year Longitudinal Study.. **2022**,	0
117	Performance Analysis of Optically Pumped He Magnetometers vs. Conventional SQUIDs: From Adult to Infant Head Models.. **2022**, 22,	1

116 Table_1.DOCX. **2019**,

115 Image_1.TIF. **2018**,

114 Table_1.DOCX. **2018**,

113 Data_Sheet_1.pdf. **2019**,

112 Image_1.TIF. **2019**,

111 Image_2.TIF. **2019**,

110 Image_1.TIF. **2019**,

109 Image_1.tif. **2020**,

108 Image_2.tif. **2020**,

107 Data_Sheet_1.pdf. **2020**,

106 Audio_1.WAV. **2019**,

105 Audio_2.WAV. **2019**,

104 Audio_3.WAV. **2019**,

103 Data_Sheet_1.pdf. **2019**,

102 Table_1.DOCX. **2019**,

101 DataSheet_1.docx. **2020**,

100 DataSheet_1.docx. **2020**,

99 A review of MEG dynamic brain network research.. **2022**, 9544119221092503

98	Prefrontal hyperactivation during dual-task walking related to apathy symptoms in older individuals.. **2022**, 17, e0266553	1
97	Cortical tracking of lexical speech units in a multi-talker background is immature in school-aged children.	
96	An electroencephalography connectome predictive model of major depressive disorder severity.. **2022**, 12, 6816	
95	Estimation of Axonal Morphology From Magnetic Resonance Imaging and Electroencephalography Data.. **2022**, 16, 874023	1
94	Contributions of Magnetoencephalography to Understanding Mechanisms of Generalized Epilepsies: Blurring the Boundary Between Focal and Generalized Epilepsies?. **2022**, 13, 831546	1
93	Simulation Study of Different OPM-MEG Measurement Components.. **2022**, 22,	0
92	Neocortical localization and thalamocortical modulation of neuronal hyperexcitability contribute to Fragile X Syndrome.. **2022**, 5, 442	2
91	R□□ences bibliographiques. **1997**, 255-290	
90	Trial-to-Trial Variability and Cortical Processing Depend on Recent Outcomes During Human Reinforcement Motor Learning.	
89	Time Lagged Multidimensional Pattern Connectivity (TL MDPC): An EEG/MEG Pattern Transformation Based Functional Connectivity Metric.	0
88	Effect of channel density, inverse solutions and connectivity measures on EEG resting-state networks: a simulation study.	
87	Spatio-temporal dynamics of large-scale electrophysiological networks during cognitive action control in healthy controls and Parkinson's disease patients.. **2022**, 119331	0
86	Nonnegative block-sparse Bayesian learning algorithm for EEG brain source localization. **2022**, 77, 103838	1
85	Algorithms for Estimating Time-Locked Neural Response Components in Cortical Processing of Continuous Speech. **2022**, 1-9	0
84	Distinct cortical networks subserve spatio-temporal sampling in vision through different oscillatory rhythms.	
83	Auditory cortex modelled as a dynamical network of oscillators: understanding event-related fields and their adaptation.	0
82	Cortical dynamics following real-time MEG neurofeedback training of the speed of shifting spatial attention: a pilot study.	
81	Activity level in left auditory cortex predicts behavioral performance in inhibition tasks in children. **2022**, 258, 119371	0

80	Empirical Bayesian localization of event-related time-frequency neural activity dynamics. **2022**, 258, 119369	0
79	On the similarities of representations in artificial and brain neural networks for speech recognition.	
78	Large-scale cortico-cerebellar computations for horizontal and vertical vergence in humans. **2022**, 12,	
77	Local brain-state dependency of effective connectivity: a pilot TMS–EEG study. 2, 45	
76	Age-related changes of whole-brain dynamics in spontaneous neuronal coactivations. **2022**, 12,	1
75	Structural Connectome constrained Graphical Lasso for MEG Partial Coherence. 1-36	0
74	The age-related changes in 40 Hz Auditory S teady-State Response and sustained E vent-Related Fields to the same amplitude-modulated tones in typically developing children: A magnetoencephalography study.	0
73	Automated methodology for optimal selection of minimum electrode subsets for accurate EEG source estimation based on Genetic Algorithm optimization. **2022**, 12,	0
72	Brain-wide neural co-activations in resting human. **2022**, 119461	1
71	Estimation of the effect of magnetic field on a memristive neuron. **2022**, 432, 127366	1
70	Deep neural networks constrained by neural mass models improve electrophysiological source imaging of spatiotemporal brain dynamics. **2022**, 119,	0
69	Neurophysiological markers of successful learning in healthy aging.	
68	Estimating functional EEG sources using topographical templates.	
67	Predictive and perceptual phonemic processing in articulatory motor areas: A prediction potential & mismatch negativity study. **2022**,	0
66	Exploring cognitive and brain oxygenation changes over a 1-year period in physically active individuals with mild cognitive impairment: a longitudinal fNIRS pilot study. **2022**, 22,	0
65	Trial-to-trial Variability and Cortical Processing Depend on Recent Outcomes During Human Reinforcement Motor Learning. **2022**,	0
64	NLGC: Network localized Granger causality with application to MEG directional functional connectivity analysis. **2022**, 260, 119496	1
63	Extended Electrophysiological Source Imaging with Spatial Graph Filters. **2022**, 99-109	0

62	Brain Source Reconstruction Solution Quality Assessment with Spatial Graph Frequency Features. **2022**, 175-183	0
61	Electromagnetic Source Imaging via Bayesian Modeling With Smoothness in Spatial and Temporal Domains. **2022**, 30, 2362-2372	0
60	Inverse Methods. **2022**, 229-354	0
59	Methods Used to Estimate EEG Source-Space Networks: A Comparative Simulation-Based Study. **2022**,	0
58	EEG Source Imaging using GANs with Deep Image Prior. **2022**,	0
57	Predictive neural representations of naturalistic dynamic input.	0
56	Assessing HD-EEG functional connectivity states using a human brain computational model.	0
55	Delta-band neural tracking primarily reflects rule-based chunking instead of semantic relatedness between words.	0
54	Covariance-based Decoding Reveals Content-specific Feature Integration and Top-down Processing for Imagined Faces versus Places.	0
53	Resting-state magnetoencephalographic oscillatory connectivity to identify patients with chronic migraine using machine learning. **2022**, 23,	0
52	Spatial accuracy evaluation of magnetic source imaging methods on OPM-based MEG. **2022**, 25, 105177	0
51	Source-based artifact-rejection techniques for TMS–EEG. **2022**, 382, 109693	1
50	Developmental aspects of fear generalization – an MEG study on neurocognitive correlates in adolescents versus adults. **2022**, 101169	0
49	Personalized Deep Learning based Source Imaging Framework Improves the Imaging of Epileptic Sources from MEG Interictal Spikes.	0
48	Targeted Modulation of Human Brain Interregional Effective Connectivity With Spike-timing Dependent Plasticity. **2022**,	0
47	Spatiotemporal dynamics of activation in motor and language areas suggest a compensatory role of the motor cortex in second language processing. 1-39	0
46	Cognitive flexibility in post-traumatic stress disorder: Sustained interference associated with altered modulation of cortical oscillatory activity during task-switching. **2023**, 37, 103297	0
45	Cortical tracking of lexical speech units in a multi-talker background is immature in school-aged children. **2023**, 265, 119770	0

44	Identification of cerebral cortices processing acceleration, velocity, and position during directional reaching movement with deep neural network and explainable AI. **2023**, 266, 119783	0
43	Neurodevelopmental oscillatory basis of speech processing in noise. **2023**, 59, 101181	0
42	Neuromagnetic 40 Hz Auditory Steady-State Response in the left auditory cortex is related to language comprehension in children with Autism Spectrum Disorder. **2023**, 122, 110690	0
41	Coherence resonance in neural networks: Theory and experiments. **2023**, 1000, 1-57	1
40	Method for Identification of Multiple Low-Voltage Signal Sources Transmitted Through a Conductive Medium. **2022**, 10, 124154-124166	0
39	Who's driving? The default mode network in healthy elderly individuals at risk of cognitive decline. 13,	0
38	Experimental Verification of a Computational Real-Time Neuronavigation System for Multichannel Transcranial Magnetic Stimulation. **2023**, 61-73	0
37	Noninvasive stimulation of the ventromedial prefrontal cortex modulates rationality of human decision-making. **2022**, 12,	0
36	Divergent associations between auditory activation and inhibition task performance in children and adults.	0
35	Single-subject EEG measurement of interhemispheric transfer-time for the in-vivo estimation of axonal morphology.	0
34	Deep EEG Source Localization via EMD-based fMRI High Spatial Frequency.	0
33	On the similarities of representations in artificial and brain neural networks for speech recognition. 16,	0
32	EEG source localization.	0
31	Mapping Brain Networks Using Multimodal Data. **2023**, 2975-3025	0
30	Brain Oscillations during Visuomotor Processing in Children with ASD.	0
29	The more, the merrier: multivariate phase synchronization methods excel pairwise ones in estimating functional brain connectivity from reconstructed neural sources.	0
28	Source Localization Using Recursively Applied and Projected MUSIC with Flexible Extent Estimation.	0
27	Identifying nonlinear Functional Connectivity with EEG/MEG using Nonlinear Time-Lagged Multidimensional Pattern Connectivity (nTL-MDPC).	0

26	Atypical cortical processing of bottom-up speech binding cues in children with autism spectrum disorders. **2023**, 37, 103336	0
25	Laminar Specificity of the Auditory Perceptual Awareness Negativity: A Biophysical Modeling Study.	0
24	Reduced connectivity of primary auditory and motor cortices during exposure to auditory white noise. **2023**, 804, 137212	0
23	Altered electroencephalography resting state network coherence in remitted MDD. **2023**, 1806, 148282	0
22	Reliable evaluation of functional connectivity and graph theory measures in source-level EEG: How many electrodes are enough?. **2023**, 150, 1-16	0
21	Tuning Minimum-Norm regularization parameters for optimal MEG connectivity estimation.	0
20	Automatic quality control of the numerical accuracy of EEG lead fields. **2023**, 273, 120091	0
19	Estimating neural activity from visual areas using functionally defined EEG templates. **2023**, 44, 1846-1861	0
18	Enhanced temporal resolution of vision in action video game players. **2023**, 269, 119906	0
17	Time-Lagged Multidimensional Pattern Connectivity (TL-MDPC): An EEG/MEG pattern transformation based functional connectivity metric. **2023**, 270, 119958	0
16	In silico study of the effects of cerebral circulation on source localization using a dynamical anatomical atlas of the human head. **2023**, 20, 026005	0
15	Visualizing Brain Information Processing via Multi-Modal Integration. **2023**, 16, 326-337	0
14	Making movies of children's cortical electrical potentials: A practical procedure for dynamic source localization analysis with validating simulation. **2023**, 4, 100064	0
13	Theta-gamma phase-amplitude coupling in auditory cortex is modulated by language proficiency. **2023**, 44, 2862-2872	0
12	Modeling the role of the thalamus in resting-state functional connectivity: nature or structure.	0
11	Effect of channel density, inverse solutions and connectivity measures on EEG resting-state networks reconstruction: A simulation study. **2023**, 271, 120006	0
10	Minimizing the distortions in electrophysiological source imaging of cortical oscillatory activity via Spectral Structured Sparse Bayesian Learning. 17,	0
9	No Differences in Auditory Steady-State Responses in Children with Autism Spectrum Disorder and Typically Developing Children.	0

8	Connectivity Analysis in EEG Data: A Tutorial Review of the State of the Art and Emerging Trends. **2023**, 10, 372	0
7	Hemispheric decoupling of awareness-related activity in human auditory cortex under informational masking and divided attention.	0
6	Bayesian Inference for Brain Source Imaging with Joint Estimation of Structured Low-rank Noise.	0
5	Untangling TMS-EEG responses caused by TMS versus sensory input using optimized sham control and GABAergic challenge.	0
4	Neural speech tracking benefit of lip movements predicts behavioral deterioration when the speaker's mouth is occluded.	0
3	Sentence superiority in the reading brain.	0
2	Integration of Simultaneous fMRI and EEG source localization in emotional decision problems. **2023**, 114445	0
1	What Can fMRI Add to the ERP Story?. **2022**, 105-118	0