

Risto J Ilmoniemi

List of Publications by Year in descending order

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284
papers

31,713
citations

7568

77
h-index

4885

168
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310
all docs

310
docs citations

310
times ranked

17099
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-locus transcranial magnetic stimulation system for electronically targeted brain stimulation. <i>Brain Stimulation</i> , 2022, 15, 116-124.	1.6	38
2	TMS with fast and accurate electronic control: Measuring the orientation sensitivity of corticomotor pathways. <i>Brain Stimulation</i> , 2022, 15, 306-315.	1.6	23
3	The rt-TEP tool: real-time visualization of TMS-Evoked Potentials to maximize cortical activation and minimize artifacts. <i>Journal of Neuroscience Methods</i> , 2022, 370, 109486.	2.5	46
4	Minimum-Norm Estimation of TMS-Activated Motor Cortical Sites in Realistic Head and Brain Geometry. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 441-454.	4.9	1
5	Closed-loop optimization of transcranial magnetic stimulation with electroencephalography feedback. <i>Brain Stimulation</i> , 2022, 15, 523-531.	1.6	40
6	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. <i>Clinical Neurophysiology</i> , 2021, 132, 269-306.	1.5	553
7	A general method for computing thermal magnetic noise arising from thin conducting objects. <i>Journal of Applied Physics</i> , 2021, 130, 043901.	2.5	3
8	Effect of stimulus orientation and intensity on short-interval intracortical inhibition (SICI) and facilitation (SICF): A multi-channel transcranial magnetic stimulation study. <i>PLoS ONE</i> , 2021, 16, e0257554.	2.5	9
9	The impact of artifact removal approaches on TMS-EEG signal. <i>NeuroImage</i> , 2021, 239, 118272.	4.2	33
10	Trade-off between stimulation focality and the number of coils in multi-locus transcranial magnetic stimulation. <i>Journal of Neural Engineering</i> , 2021, 18, 066003.	3.5	15
11	Spatial sampling of MEG and EEG based on generalized spatial-frequency analysis and optimal design. <i>NeuroImage</i> , 2021, 245, 118747.	4.2	21
12	EEG Artifact Removal in TMS Studies of Cortical Speech Areas. <i>Brain Topography</i> , 2020, 33, 1-9.	1.8	16
13	Superconducting receiver arrays for magnetic resonance imaging. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 015016.	1.2	5
14	Individual head models for estimating the TMS-induced electric field in rat brain. <i>Scientific Reports</i> , 2020, 10, 17397.	3.3	11
15	Magnetic field modeling with surface currents. Part II. Implementation and usage of bfieldtools. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	24
16	Source-based artifact-rejection techniques available in TESA, an open-source TMS-EEG toolbox. <i>Brain Stimulation</i> , 2020, 13, 1349-1351.	1.6	35
17	Spatial extent of cortical motor hotspot in navigated transcranial magnetic stimulation. <i>Journal of Neuroscience Methods</i> , 2020, 346, 108893.	2.5	16
18	Magnetic-field modeling with surface currents. Part I. Physical and computational principles of bfieldtools. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	26

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19	Signal-Space Projection Suppresses the tACS Artifact in EEG Recordings. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 536070.	2.0	6
20	Automated search of stimulation targets with closed-loop transcranial magnetic stimulation. <i>NeuroImage</i> , 2020, 220, 117082.	4.2	38
21	Safety of rTMS in patients with intracranial metallic objects. <i>Brain Stimulation</i> , 2020, 13, 928-929.	1.6	2
22	Evaluating the Performance of Ultra-Low-Field MRI for in-vivo 3D Current Density Imaging of the Human Head. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	2
23	Short-interval intracortical inhibition in human primary motor cortex: A multi-locus transcranial magnetic stimulation study. <i>NeuroImage</i> , 2019, 203, 116194.	4.2	28
24	Reproducibility in TMS-EEG studies: A call for data sharing, standard procedures and effective experimental control. <i>Brain Stimulation</i> , 2019, 12, 787-790.	1.6	106
25	Clinical utility and prospective of TMS-EEG. <i>Clinical Neurophysiology</i> , 2019, 130, 802-844.	1.5	276
26	The effect of experimental pain on short-interval intracortical inhibition with multi-locus transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2019, 237, 1503-1510.	1.5	13
27	The impact of improved MEG-MRI co-registration on MEG connectivity analysis. <i>NeuroImage</i> , 2019, 197, 354-367.	4.2	40
28	Predicting Alzheimer's disease severity by means of TMS-EEG coregistration. <i>Neurobiology of Aging</i> , 2019, 80, 38-45.	3.1	56
29	Automatic Spatial Calibration of Ultra-Low-Field MRI for High-Accuracy Hybrid MEG-MRI. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1317-1327.	8.9	8
30	Transcranial magnetic stimulation-evoked potentials after the stimulation of the right-hemispheric homologue of Broca's area. <i>NeuroReport</i> , 2019, 30, 1110-1114.	1.2	1
31	Influence of Co-Registration Errors on the Performance of Anatomical Constraints in MEG Source Connectivity Analysis*. , 2019, , .		0
32	Ultra-Low-Field MRI and Its Combination with MEG. , 2019, , 1-33.		0
33	Ultra-Low-Field MRI and Its Combination with MEG. , 2019, , 1261-1293.		0
34	Noninvasive extraction of microsecond-scale dynamics from human motor cortex. <i>Human Brain Mapping</i> , 2018, 39, 2405-2411.	3.6	23
35	Multi-locus transcranial magnetic stimulation theory and implementation. <i>Brain Stimulation</i> , 2018, 11, 849-855.	1.6	84
36	Automatic and robust noise suppression in EEG and MEG: The SOUND algorithm. <i>NeuroImage</i> , 2018, 166, 135-151.	4.2	92

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37	Truncated RAP-MUSIC (TRAP-MUSIC) for MEG and EEG source localization. <i>NeuroImage</i> , 2018, 167, 73-83.	4.2	30
38	Theta-burst stimulation causally affects side perception in the Deutsch's octave illusion. <i>Scientific Reports</i> , 2018, 8, 12844.	3.3	1
39	Individual Activation Patterns After the Stimulation of Different Motor Areas: A Transcranial Magnetic Stimulation Electroencephalography Study. <i>Brain Connectivity</i> , 2018, 8, 420-428.	1.7	18
40	Optimized 3D co-registration of ultra-low-field and high-field magnetic resonance images. <i>PLoS ONE</i> , 2018, 13, e0193890.	2.5	8
41	Combining rTMS With Intensive Language-Action Therapy in Chronic Aphasia: A Randomized Controlled Trial. <i>Frontiers in Neuroscience</i> , 2018, 12, 1036.	2.8	34
42	Preparation and execution of teeth clenching and foot muscle contraction influence on corticospinal hand-muscle excitability. <i>Scientific Reports</i> , 2017, 7, 41249.	3.3	14
43	Coil optimisation for transcranial magnetic stimulation in realistic head geometry. <i>Brain Stimulation</i> , 2017, 10, 795-805.	1.6	59
44	Minimum-Norm Estimation of Motor Representations in Navigated TMS Mappings. <i>Brain Topography</i> , 2017, 30, 711-722.	1.8	16
45	Blind Source Separation of Event-Related EEG/MEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2054-2064.	4.2	18
46	Basic Principles of Navigated TMS. , 2017, , 3-29.		17
47	The Frequency-Dependent Neuronal Length Constant in Transcranial Magnetic Stimulation. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 194.	3.7	5
48	Recovering TMS-evoked EEG responses masked by muscle artifacts. <i>NeuroImage</i> , 2016, 139, 157-166.	4.2	68
49	Rotary scanning acquisition in ultra-low-field MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2255-2264.	3.0	1
50	SQUIDS in biomagnetism: a roadmap towards improved healthcare. <i>Superconductor Science and Technology</i> , 2016, 29, 113001.	3.5	67
51	Visual deviant stimuli produce mismatch responses in the amplitude dynamics of neuronal oscillations. <i>NeuroImage</i> , 2016, 142, 645-655.	4.2	10
52	Transcutaneous Vagus Nerve Stimulation Modulates Tinnitus-Related Beta- and Gamma-Band Activity. <i>Ear and Hearing</i> , 2015, 36, e76-e85.	2.1	37
53	A contemporary research topic: manipulative approaches to human brain dynamics. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 118.	2.0	4
54	Dealing with artifacts in TMS-evoked EEG. , 2015, 2015, 230-3.		28

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55	Minimum-energy Coils for Transcranial Magnetic Stimulation: Application to Focal Stimulation. <i>Brain Stimulation</i> , 2015, 8, 124-134.	1.6	65
56	Experimental Characterization of the Electric Field Distribution Induced by TMS Devices. <i>Brain Stimulation</i> , 2015, 8, 582-589.	1.6	87
57	Dynamical cancellation of pulse-induced transients in a metallic shielded room for ultra-low-field magnetic resonance imaging. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	16
58	Current-density imaging using ultra-low-field MRI with zero-field encoding. <i>Magnetic Resonance Imaging</i> , 2014, 32, 766-770.	1.8	21
59	Conductive shield for ultra-low-field magnetic resonance imaging: Theory and measurements of eddy currents. <i>Journal of Applied Physics</i> , 2014, 115, 103902.	2.5	19
60	Multi-trial evoked EEG and independent component analysis. <i>Journal of Neuroscience Methods</i> , 2014, 228, 15-26.	2.5	29
61	Detecting millisecond-range coupling delays between brainwaves in terms of power correlations by magnetoencephalography. <i>Journal of Neuroscience Methods</i> , 2014, 235, 10-24.	2.5	2
62	Current-density imaging using ultra-low-field MRI with adiabatic pulses. <i>Magnetic Resonance Imaging</i> , 2014, 32, 54-59.	1.8	18
63	TMSâ€“EEG: From basic research to clinical applications. , 2014, , .		0
64	Efficient concomitant and remanence field artifact reduction in ultraâ€“lowâ€“field MRI using a frequencyâ€“space formulation. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 955-965.	3.0	6
65	Ultra-Low-Field MRI and Its Combination with MEG. , 2014, , 941-972.		2
66	Hybrid ultraâ€“lowâ€“field MRI and magnetoencephalography system based on a commercial wholeâ€“head neuromagnetometer. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1795-1804.	3.0	106
67	INTRODUCTION. <i>International Journal of Neural Systems</i> , 2013, 23, 1203003.	5.2	1
68	Comparison of spherical and realistically shaped boundary element head models for transcranial magnetic stimulation navigation. <i>Clinical Neurophysiology</i> , 2013, 124, 1995-2007.	1.5	86
69	Temperature dependence of relaxation times and temperature mapping in ultra-low-field MRI. <i>Journal of Magnetic Resonance</i> , 2013, 235, 50-57.	2.1	20
70	The Effect of Stimulus Parameters on TMSâ€“EEG Muscle Artifacts. <i>Brain Stimulation</i> , 2013, 6, 371-376.	1.6	118
71	Research Highlights: Spatiotemporal dynamics and background neuronal states of the brain: implications for neuroimaging. <i>Imaging in Medicine</i> , 2013, 5, 403-406.	0.0	0
72	Effect of task-related extracerebral circulation on diffuse optical tomography: experimental data and simulations on the forehead. <i>Biomedical Optics Express</i> , 2013, 4, 412.	2.9	14

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73	TMS-evoked changes in brain-state dynamics quantified by using EEG data. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 155.	2.0	22
74	Hybrid ultra-low-field MRI and magnetoencephalography system based on a commercial whole-head neuromagnetometer. <i>Magnetic Resonance in Medicine</i> , 2013, 69, spcone-spcone.	3.0	3
75	Future prospects for hybrid magnetoencephalographyâ€“MRI. <i>Imaging in Medicine</i> , 2013, 5, 1-3.	0.0	2
76	Noise amplification in parallel whole-head ultra-low-field magnetic resonance imaging using 306 detectors. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 595-600.	3.0	7
77	Suppressing Multi-Channel Ultra-Low-Field MRI Measurement Noise Using Data Consistency and Image Sparsity. <i>PLoS ONE</i> , 2013, 8, e61652.	2.5	6
78	Improved Contrast in Ultra-Low-Field MRI with Time-Dependent Bipolar Prepolarizing Fields: Theory and NMR Demonstrations. <i>Metrology and Measurement Systems</i> , 2013, 20, 327-336.	1.4	5
79	Method for assessing the contribution of systemic circulation in near-infrared spectroscopy signals. <i>IFMBE Proceedings</i> , 2013, , 1030-1033.	0.3	0
80	Gradient-excitation encoding combined with frequency and phase encodings for three-dimensional ultra-low-field MRI. , 2012, 2012, 1093-7.		1
81	Combination of MEG and MRI in one setup. <i>Biomedizinische Technik</i> , 2012, 57, .	0.8	0
82	SQUID-sensor-based ultra-low-field MRI calibration with phantom images: Towards quantitative imaging. <i>Journal of Magnetic Resonance</i> , 2012, 224, 22-31.	2.1	8
83	Sequences for current-density and conductivity imaging with ultra-low-field MRI. <i>Biomedizinische Technik</i> , 2012, 57, .	0.8	0
84	Uncovering neural independent components from highly artifactual TMS-evoked EEG data. <i>Journal of Neuroscience Methods</i> , 2012, 209, 144-157.	2.5	49
85	The Spatial and Temporal Distortion of Magnetic Fields Applied Inside a Magnetically Shielded Room. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 53-61.	2.1	84
86	Cyclic Alternating Pattern Is Associated with Cerebral Hemodynamic Variation: A Near-Infrared Spectroscopy Study of Sleep in Healthy Humans. <i>PLoS ONE</i> , 2012, 7, e46899.	2.5	10
87	TMS and electroencephalography: methods and current advances. , 2012, , .		1
88	All-planar SQUIDs and pickup coils for combined MEG and MRI. <i>Superconductor Science and Technology</i> , 2011, 24, 075020.	3.5	27
89	Projecting out muscle artifacts from TMS-evoked EEG. <i>NeuroImage</i> , 2011, 54, 2706-2710.	4.2	60
90	The functional role of the ventral premotor cortex in a visually paced finger tapping task: A TMS study. <i>Behavioural Brain Research</i> , 2011, 220, 325-330.	2.2	16

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91	Avoiding eddy-current problems in ultra-low-field MRI with self-shielded polarizing coils. <i>Journal of Magnetic Resonance</i> , 2011, 212, 154-60.	2.1	44
92	Some considerations about the biological appearance of pacing stimuli in visuomotor finger-tapping tasks. <i>Cognitive Processing</i> , 2011, 12, 215-218.	1.4	6
93	Face activated neurodynamic cortical networks. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 531-543.	2.8	8
94	Removal of large muscle artifacts from transcranial magnetic stimulation-evoked EEG by independent component analysis. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 397-407.	2.8	104
95	Accelerometer-based method for correcting signal baseline changes caused by motion artifacts in medical near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2011, 16, 087005.	2.6	68
96	Slow spontaneous hemodynamic oscillations during sleep measured with near-infrared spectroscopy. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
97	Properties of end-expiratory breath hold responses measured with near-infrared spectroscopy. , 2011, , .		3
98	Ultra-low-field magnetic resonance imaging combined with magnetoencephalography. , 2011, , .		0
99	Magnetic-Stimulation-Related Physiological Artifacts in Hemodynamic Near-Infrared Spectroscopy Signals. <i>PLoS ONE</i> , 2011, 6, e24002.	2.5	17
100	Spontaneous Hemodynamic Oscillations during Human Sleep and Sleep Stage Transitions Characterized with Near-Infrared Spectroscopy. <i>PLoS ONE</i> , 2011, 6, e25415.	2.5	32
101	Sensory-memory-based change detection in face stimuli. <i>Translational Neuroscience</i> , 2010, 1, .	1.4	4
102	Methodology for Combined TMS and EEG. <i>Brain Topography</i> , 2010, 22, 233-248.	1.8	339
103	Early cortical responses are sensitive to changes in face stimuli. <i>Brain Research</i> , 2010, 1346, 155-164.	2.2	33
104	Polarization encoding as a novel approach to MRI. <i>Journal of Magnetic Resonance</i> , 2010, 202, 211-216.	2.1	12
105	Improved determination of FID signal parameters in low-field NMR. <i>Journal of Magnetic Resonance</i> , 2010, 205, 148-160.	2.1	8
106	Solving the problem of concomitant gradients in ultra-low-field MRI. <i>Journal of Magnetic Resonance</i> , 2010, 207, 213-219.	2.1	33
107	The relationship between peripheral and early cortical activation induced by transcranial magnetic stimulation. <i>Neuroscience Letters</i> , 2010, 478, 24-28.	2.1	95
108	EEG oscillations and magnetically evoked motor potentials reflect motor system excitability in overlapping neuronal populations. <i>Clinical Neurophysiology</i> , 2010, 121, 492-501.	1.5	112

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109	From Classical to Bayesian Estimators in the Interpretation of MEG and EEG. IFMBE Proceedings, 2010, , 113-116.	0.3	0
110	Hybrid MEG-MRI: Geometry and Time Course of Magnetic Fields Inside a Magnetically Shielded Room. IFMBE Proceedings, 2010, , 78-81.	0.3	3
111	Consensus paper: Combining transcranial stimulation with neuroimaging. Brain Stimulation, 2009, 2, 58-80.	1.6	299
112	Early dissociation of face and object processing: A magnetoencephalographic study. Human Brain Mapping, 2009, 30, 917-927.	3.6	15
113	Safety, ethical considerations, and application guidelines for the use of transcranial magnetic stimulation in clinical practice and research. Clinical Neurophysiology, 2009, 120, 2008-2039.	1.5	4,364
114	A novel mechanism for evoked responses in the human brain. International Journal of Psychophysiology, 2008, 69, 214.	1.0	0
115	Bilateral changes in excitability of sensorimotor cortices during unilateral movement: Combined electroencephalographic and transcranial magnetic stimulation study. Neuroscience, 2008, 152, 1119-1129.	2.3	68
116	Parallel input makes the brain run faster. NeuroImage, 2008, 40, 1792-1797.	4.2	40
117	A novel mechanism for evoked responses in the human brain. European Journal of Neuroscience, 2007, 25, 3146-3154.	2.6	123
118	Tracking speech comprehension in space and time. NeuroImage, 2006, 31, 1297-1305.	4.2	76
119	Inherited Auditory-Cortical Dysfunction in Twin Pairs Discordant for Schizophrenia. Biological Psychiatry, 2006, 60, 612-620.	1.3	88
120	Sensorimotor Cortex Localization: Comparison of Magnetoencephalography, Functional MR Imaging, and Intraoperative Cortical Mapping. Radiology, 2006, 241, 213-222.	7.3	120
121	Functional links between motor and language systems. European Journal of Neuroscience, 2005, 21, 793-797.	2.6	622
122	Somatotopic blocking of sensation with navigated transcranial magnetic stimulation of the primary somatosensory cortex. Human Brain Mapping, 2005, 26, 100-109.	3.6	71
123	Prefrontal TMS produces smaller EEG responses than motor-cortex TMS: implications for rTMS treatment in depression. Psychopharmacology, 2005, 181, 16-20.	3.1	74
124	Cortical generators of slow evoked responses elicited by spatial and nonspatial auditory working memory tasks. Clinical Neurophysiology, 2005, 116, 1644-1654.	1.5	20
125	Test-retest stability of the magnetic mismatch response (MMNm). Clinical Neurophysiology, 2005, 116, 1897-1905.	1.5	27
126	Prefrontal transcranial magnetic stimulation produces intensity-dependent EEG responses in humans. NeuroImage, 2005, 24, 955-960.	4.2	132

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127	The C50m response: Conditioned magnetocerebral activity recorded from the human brain. <i>NeuroImage</i> , 2005, 27, 778-788.	4.2	12
128	Brain Signatures of Meaning Access in Action Word Recognition. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 884-892.	2.3	361
129	Basic Physics and Design of Transcranial Magnetic Stimulation Devices and Coils. , 2005, , 17-30.		11
130	Transcranial Magnetic Stimulation: Applications for Neuropsychopharmacology. <i>Journal of Psychopharmacology</i> , 2004, 18, 257-261.	4.0	31
131	Human posterior auditory cortex gates novel sounds to consciousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6809-6814.	7.1	395
132	Stimulus-induced change in long-range temporal correlations and scaling behaviour of sensorimotor oscillations. <i>European Journal of Neuroscience</i> , 2004, 19, 203-218.	2.6	121
133	Activation in the anterior left auditory cortex associated with phonological analysis of speech input: localization of the phonological mismatch negativity response with MEG. <i>Cognitive Brain Research</i> , 2004, 21, 106-113.	3.0	53
134	The effect of stimulus intensity on brain responses evoked by transcranial magnetic stimulation. <i>Human Brain Mapping</i> , 2004, 21, 154-164.	3.6	263
135	Enhancement of GABA-related signalling is associated with increase of functional connectivity in human cortex. <i>Human Brain Mapping</i> , 2004, 22, 27-39.	3.6	47
136	Prestimulus Oscillations Enhance Psychophysical Performance in Humans. <i>Journal of Neuroscience</i> , 2004, 24, 10186-10190.	3.6	350
137	Phase shift detection in thalamocortical oscillations using magnetoencephalography in humans. <i>Neuroscience Letters</i> , 2004, 362, 48-52.	2.1	20
138	The interplay of lorazepam-induced brain oscillations: microstructural electromagnetic study. <i>Clinical Neurophysiology</i> , 2004, 115, 674-690.	1.5	41
139	Distinct differences in cortical reactivity of motor and prefrontal cortices to magnetic stimulation. <i>Clinical Neurophysiology</i> , 2004, 115, 583-588.	1.5	101
140	EEG minimum-norm estimation compared with MEG dipole fitting in the localization of somatosensory sources at S1. <i>Clinical Neurophysiology</i> , 2004, 115, 534-542.	1.5	46
141	Local and remote functional connectivity of neocortex under the inhibition influence. <i>NeuroImage</i> , 2004, 22, 1390-1406.	4.2	48
142	Neurodynamic Studies on Emotional and Inverted Faces in an Oddball Paradigm. <i>Brain Topography</i> , 2003, 16, 265-268.	1.8	57
143	Mismatch negativity indexes auditory temporal resolution: evidence from event-related potential (ERP) and event-related field (ERF) recordings. <i>Cognitive Brain Research</i> , 2003, 17, 685-691.	3.0	20
144	Modulation of electroencephalographic responses to transcranial magnetic stimulation: evidence for changes in cortical excitability related to movement. <i>European Journal of Neuroscience</i> , 2003, 18, 1206-1212.	2.6	158

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145	Differences between auditory evoked responses recorded during spatial and nonspatial working memory tasks. <i>NeuroImage</i> , 2003, 20, 1181-1192.	4.2	21
146	Spatiotemporal dynamics of neural language processing: an MEG study using minimum-norm current estimates. <i>NeuroImage</i> , 2003, 20, 1020-1025.	4.2	111
147	Auditory selective attention modulated by tryptophan depletion in humans. <i>Neuroscience Letters</i> , 2003, 340, 181-184.	2.1	28
148	Grammar Processing Outside the Focus of Attention: an MEG Study. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 1195-1206.	2.3	107
149	Alcohol Reduces Prefrontal Cortical Excitability in Humans: A Combined TMS and EEG Study. <i>Neuropsychopharmacology</i> , 2003, 28, 747-754.	5.4	96
150	Event-Related Potentials to Expectancy Violation in Musical Context. <i>Musicae Scientiae</i> , 2003, 7, 241-261.	2.9	12
151	Plastic cortical changes induced by learning to communicate with non-speech sounds. <i>NeuroReport</i> , 2003, 14, 1683-1687.	1.2	27
152	Abstract phoneme representations in the left temporal cortex: magnetic mismatch negativity study. <i>NeuroReport</i> , 2002, 13, 1813-1816.	1.2	110
153	Ipsi- and contralateral EEG reactions to transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2002, 113, 175-184.	1.5	192
154	Dopamine modulates involuntary attention shifting and reorienting: an electromagnetic study. <i>Clinical Neurophysiology</i> , 2002, 113, 1894-1902.	1.5	112
155	Tryptophan Depletion Effects on EEG and MEG Responses Suggest Serotonergic Modulation of Auditory Involuntary Attention in Humans. <i>NeuroImage</i> , 2002, 16, 1052-1061.	4.2	91
156	Visual Attention to Words in Different Languages in Bilinguals: A Magnetoencephalographic Study. <i>NeuroImage</i> , 2002, 17, 1830-1836.	4.2	4
157	Context modulates processing of speech sounds in the right auditory cortex of human subjects. <i>Neuroscience Letters</i> , 2002, 331, 91-94.	2.1	26
158	Distinct Gamma-Band Evoked Responses to Speech and Non-Speech Sounds in Humans. <i>Journal of Neuroscience</i> , 2002, 22, RC211-RC211.	3.6	89
159	Frequency-related effects in the optimization of coils for the magnetic stimulation of the nervous system. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 463-471.	4.2	16
160	Serotonin Modulates Early Cortical Auditory Processing in Healthy Subjects. Evidence from MEG with Acute Tryptophan Depletion. <i>Neuropsychopharmacology</i> , 2002, 27, 862-868.	5.4	25
161	Temporary and longer term retention of acoustic information. <i>Psychophysiology</i> , 2002, 39, 530-534.	2.4	49
162	Ethanol Modulates Cortical Activity: Direct Evidence with Combined TMS and EEG. <i>NeuroImage</i> , 2001, 14, 322-328.	4.2	88

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163	Memory Traces for Words as Revealed by the Mismatch Negativity. <i>NeuroImage</i> , 2001, 14, 607-616.	4.2	277
164	Evidence for Dissociation of Spatial and Nonspatial Auditory Information Processing. <i>NeuroImage</i> , 2001, 14, 1268-1277.	4.2	64
165	Visual attention to words of native versus later acquired languages: a magnetoencephalographic study in humans. <i>Neuroscience Letters</i> , 2001, 310, 33-36.	2.1	3
166	Brain activity index of distractibility in normal school-age children. <i>Neuroscience Letters</i> , 2001, 314, 147-150.	2.1	73
167	No evidence for dependence of early cortical auditory processing on dopamine D2-receptor modulation: a whole-head magnetoencephalographic study. <i>Psychiatry Research - Neuroimaging</i> , 2001, 107, 117-123.	1.8	8
168	EEG responses to combined somatosensory and transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2001, 112, 19-24.	1.5	45
169	Long-Range Temporal Correlations and Scaling Behavior in Human Brain Oscillations. <i>Journal of Neuroscience</i> , 2001, 21, 1370-1377.	3.6	937
170	Magnetoencephalographic (MEG) localization of the auditory N400m: effects of stimulus duration. <i>NeuroReport</i> , 2001, 12, 249-253.	1.2	27
171	Preserved stimulus deviance detection in Alzheimer's disease. <i>NeuroReport</i> , 2001, 12, 1649-1652.	1.2	21
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