

Veikko Jousmäki

List of Publications by Year in descending order

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111
papers

7,593
citations

46918

47
h-index

60497

81
g-index

117
all docs

117
docs citations

117
times ranked

5880
citing authors

#	ARTICLE	IF	CITATIONS
1	Independent component approach to the analysis of EEG and MEG recordings. IEEE Transactions on Biomedical Engineering, 2000, 47, 589-593.	2.5	639
2	Cognitive Response Profile of the Human Fusiform Face Area as Determined by MEG. Cerebral Cortex, 2000, 10, 69-81.	1.6	424
3	Involvement of Primary Motor Cortex in Motor Imagery: A Neuromagnetic Study. NeuroImage, 1997, 6, 201-208.	2.1	320
4	Parchment-skin illusion: sound-biased touch. Current Biology, 1998, 8, R190-R191.	1.8	310
5	Speaking modifies voice-evoked activity in the human auditory cortex. , 2000, 9, 183-191.		284
6	Task-dependent modulation of 15-30 Hz coherence between rectified EMGs from human hand and forearm muscles. Journal of Physiology, 1999, 516, 559-570.	1.3	265
7	Modulation of Human Cortical Rolandic Rhythms during Natural Sensorimotor Tasks. NeuroImage, 1997, 5, 221-228.	2.1	238
8	Activation of a distributed somatosensory cortical network in the human brain. A dipole modelling study of magnetic fields evoked by median nerve stimulation. Part I: location and activation timing of SEF sources. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1997, 104, 281-289.	2.0	224
9	Vibration-induced auditory-cortex activation in a congenitally deaf adult. Current Biology, 1998, 8, 869-872.	1.8	221
10	Touch activates human auditory cortex. NeuroImage, 2006, 30, 1325-1331.	2.1	181
11	Actor's and observer's primary motor cortices stabilize similarly after seen or heard motor actions. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9058-9062.	3.3	174
12	Auditory sensory memory impairment in Alzheimer's disease. NeuroReport, 1994, 5, 2537-2540.	0.6	126
13	Activation of a distributed somatosensory cortical network in the human brain: a dipole modelling study of magnetic fields evoked by median nerve stimulation. Part II: effects of stimulus rate, attention and stimulus detection. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1997, 104, 290-295.	2.0	124
14	The pace of prosodic phrasing couples the listener's cortex to the reader's voice. Human Brain Mapping, 2013, 34, 314-326.	1.9	117
15	Right-hemisphere preponderance of responses to painful CO2 stimulation of the human nasal mucosa. Pain, 1997, 72, 145-151.	2.0	116
16	Temporal integration in auditory sensory memory: neuromagnetic evidence. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1996, 100, 220-228.	2.0	113
17	Tactile information from the human hand reaches the ipsilateral primary somatosensory cortex. Neuroscience Letters, 1995, 200, 25-28.	1.0	112
18	Three hands: fragmentation of human bodily awareness. Neuroscience Letters, 1998, 240, 131-134.	1.0	106

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19	Effects of 45-Hz magnetic fields on the functional state of the human brain. <i>Bioelectromagnetics</i> , 1993, 14, 87-95.	0.9	105
20	Sensorimotor integration in human primary and secondary somatosensory cortices. <i>Brain Research</i> , 1998, 781, 259-267.	1.1	104
21	Hands help hearing: Facilitatory audiotactile interaction at low sound-intensity levels. <i>Journal of the Acoustical Society of America</i> , 2004, 115, 830-832.	0.5	100
22	A novel integrated MEG and EEG analysis method for dipolar sources. <i>NeuroImage</i> , 2007, 37, 731-748.	2.1	100
23	Left Superior Temporal Gyrus Is Coupled to Attended Speech in a Cocktail-Party Auditory Scene. <i>Journal of Neuroscience</i> , 2016, 36, 1596-1606.	1.7	99
24	Evidence of vibrotactile input to human auditory cortex. <i>NeuroImage</i> , 2006, 29, 15-28.	2.1	92
25	Mismatch negativity area and age-related auditory memory. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993, 87, 321-325.	0.3	86
26	Odorants activate the human superior temporal sulcus. <i>Neuroscience Letters</i> , 1996, 203, 143-145.	1.0	81
27	Functional motor-cortex mapping using corticokinematic coherence. <i>NeuroImage</i> , 2011, 55, 1475-1479.	2.1	81
28	Magnetoencephalography in Presurgical Evaluation of Children with the Landau-Kleffner Syndrome. <i>Epilepsia</i> , 1999, 40, 326-335.	2.6	80
29	Abnormal activation of face processing systems at early and intermediate latency in individuals with autism spectrum disorder: a magnetoencephalographic study. <i>European Journal of Neuroscience</i> , 2005, 21, 2575-2585.	1.2	77
30	Corticokinematic coherence mainly reflects movement-induced proprioceptive feedback. <i>NeuroImage</i> , 2015, 106, 382-390.	2.1	74
31	Automatic auditory discrimination is impaired in Parkinson's disease. <i>Electroencephalography and Clinical Neurophysiology</i> , 1995, 95, 47-52.	0.3	72
32	Neuromagnetic Responses to Frequency-Tagged Sounds: A New Method to Follow Inputs from Each Ear to the Human Auditory Cortex during Binaural Hearing. <i>Journal of Neuroscience</i> , 2002, 22, RC205-RC205.	1.7	72
33	Observing touch activates human primary somatosensory cortex. <i>European Journal of Neuroscience</i> , 2010, 31, 1836-1843.	1.2	69
34	Magnetic source imaging during a visually guided task. <i>NeuroReport</i> , 1996, 7, 2961-2964.	0.6	68
35	Validation of head movement correction and spatiotemporal signal space separation in magnetoencephalography. <i>Clinical Neurophysiology</i> , 2012, 123, 2180-2191.	0.7	65
36	Extraction of event-related signals from multichannel bioelectrical measurements. <i>IEEE Transactions on Biomedical Engineering</i> , 2000, 47, 583-588.	2.5	64

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37	Neuronal network coherent with hand kinematics during fast repetitive hand movements. <i>NeuroImage</i> , 2012, 59, 1684-1691.	2.1	63
38	Effects of stimulus intensity on signals from human somatosensory cortices. <i>NeuroReport</i> , 1998, 9, 3427-3431.	0.6	62
39	Coupling between human brain activity and body movements: Insights from non-invasive electromagnetic recordings. <i>NeuroImage</i> , 2019, 203, 116177.	2.1	62
40	Neural processing of human faces: a magnetoencephalographic study. <i>Experimental Brain Research</i> , 1998, 118, 501-510.	0.7	61
41	Corticokinematic coherence during active and passive finger movements. <i>Neuroscience</i> , 2013, 238, 361-370.	1.1	61
42	Attenuation of Somatosensory Responses to Self-Produced Tactile Stimulation. <i>Cerebral Cortex</i> , 2010, 20, 425-432.	1.6	57
43	MEG-compatible pneumatic stimulator to elicit passive finger and toe movements. <i>NeuroImage</i> , 2015, 112, 310-317.	2.1	56
44	Human cortical representation of virtual auditory space: differences between sound azimuth and elevation. <i>European Journal of Neuroscience</i> , 2002, 16, 2207-2213.	1.2	55
45	Coherence between magnetoencephalography and hand-action-related acceleration, force, pressure, and electromyogram. <i>NeuroImage</i> , 2013, 72, 83-90.	2.1	55
46	Effects of Interstimulus Interval on Cortical Responses to Painful Laser Stimulation. <i>Journal of Clinical Neurophysiology</i> , 2003, 20, 73-79.	0.9	51
47	Interaction between afferent input from fingers in human somatosensory cortex. <i>Brain Research</i> , 1995, 685, 68-76.	1.1	50
48	Cortical Activation Associated with Passive Movements of the Human Index Finger: An MEG Study. <i>NeuroImage</i> , 2002, 15, 691-696.	2.1	50
49	MEG dual scanning: a procedure to study real-time auditory interaction between two persons. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 83.	1.0	50
50	Functional Overlap of Finger Representations in Human SI and SII Cortices. <i>Journal of Neurophysiology</i> , 2001, 86, 1661-1665.	0.9	49
51	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. <i>Journal of Neuroscience</i> , 2019, 39, 2938-2950.	1.7	49
52	MEG Insight into the Spectral Dynamics Underlying Steady Isometric Muscle Contraction. <i>Journal of Neuroscience</i> , 2017, 37, 10421-10437.	1.7	46
53	Cardiac Artifacts in Magnetoencephalogram. <i>Journal of Clinical Neurophysiology</i> , 1996, 13, 172-176.	0.9	46
54	Preference of Personal to Extrapersonal Space in a Visuomotor Task. <i>Journal of Cognitive Neuroscience</i> , 1996, 8, 305-307.	1.1	44

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55	Influence of short-term exposure of magnetic field on the bioelectrical processes of the brain and performance. <i>International Journal of Psychophysiology</i> , 1993, 14, 227-231.	0.5	43
56	A brush stimulator for functional brain imaging. <i>Clinical Neurophysiology</i> , 2007, 118, 2620-2624.	0.7	40
57	Quantification of mechanical vibration during diffusion tensor imaging at 3ÅT. <i>NeuroImage</i> , 2006, 32, 93-103.	2.1	36
58	Habituation of auditory N100 correlates with amygdaloid volumes and frontal functions in age-associated memory impairment. <i>Physiology and Behavior</i> , 1995, 57, 927-935.	1.0	35
59	Primary motor cortex and cerebellum are coupled with the kinematics of observed hand movements. <i>NeuroImage</i> , 2013, 66, 500-507.	2.1	35
60	Age-related cognitive decline and electroencephalogram slowing in down's syndrome as a model of Alzheimer's disease. <i>Neuroscience</i> , 1993, 53, 57-63.	1.1	33
61	An Easy and Practical Method for Routine, Bedside Testing of Somatosensory Systems in Extremely Low Birth Weight Infants. <i>Pediatric Research</i> , 2009, 66, 710-713.	1.1	33
62	Activation trace lifetime of human cortical responses evoked by apparent visual motion. <i>Neuroscience Letters</i> , 1997, 224, 45-48.	1.0	32
63	Dorsal penile nerve stimulation elicits left-hemisphere dominant activation in the second somatosensory cortex. <i>Human Brain Mapping</i> , 2003, 18, 90-99.	1.9	31
64	Comparison of BOLD fMRI and MEG characteristics to vibrotactile stimulation. <i>NeuroImage</i> , 2003, 19, 1778-1786.	2.1	30
65	An Internet-Based Real-Time Audiovisual Link for Dual MEG Recordings. <i>PLoS ONE</i> , 2015, 10, e0128485.	1.1	30
66	Evidence for genetically determined degeneration of proprioceptive tracts in Friedreich ataxia. <i>Neurology</i> , 2019, 93, e116-e124.	1.5	30
67	Comprehensive Functional Mapping Scheme for Non-Invasive Primary Sensorimotor Cortex Mapping. <i>Brain Topography</i> , 2013, 26, 511-523.	0.8	29
68	Human primary motor cortex is both activated and stabilized during observation of other person's phasic motor actions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130171.	1.8	27
69	Attenuated beta rebound to proprioceptive afferent feedback in Parkinson's disease. <i>Scientific Reports</i> , 2019, 9, 2604.	1.6	27
70	Electrophysiological and neuropsychological effects of a central alpha2-antagonist atipamezole in healthy volunteers. <i>Behavioural Brain Research</i> , 1993, 55, 85-91.	1.2	26
71	Cortical kinematic processing of executed and observed goal-directed hand actions. <i>NeuroImage</i> , 2015, 119, 221-228.	2.1	26
72	Comparing MEG and EEG in detecting the ~20-Hz rhythm modulation to tactile and proprioceptive stimulation. <i>NeuroImage</i> , 2020, 215, 116804.	2.1	25

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73	Similarities and differences between on-scalp and conventional in-helmet magnetoencephalography recordings. PLoS ONE, 2017, 12, e0178602.	1.1	25
74	Accelerometer-based automatic voice onset detection in speech mapping with navigated repetitive transcranial magnetic stimulation. Journal of Neuroscience Methods, 2015, 253, 70-77.	1.3	24
75	Somatosensory evoked fields to large-area vibrotactile stimuli. Clinical Neurophysiology, 1999, 110, 905-909.	0.7	22
76	Spatio-temporal profile of brain activity during gentle touch investigated with magnetoencephalography. NeuroImage, 2019, 201, 116024.	2.1	22
77	Cortical activation during a spatiotemporal tactile comparison task. NeuroImage, 2004, 22, 815-821.	2.1	21
78	Prolonged Latencies of Pattern Reversal Visual Evoked Early Potentials in Alzheimer Disease. Alzheimer Disease and Associated Disorders, 1994, 8, 250-258.	0.6	21
79	Changes in brain function and morphology in patients with recurring herpes simplex virus infections and chronic pain. Pain, 2009, 144, 200-208.	2.0	20
80	Benchmarking for On-Scalp MEG Sensors. IEEE Transactions on Biomedical Engineering, 2017, 64, 1270-1276.	2.5	20
81	Corticokinematic coherence as a new marker for somatosensory afference in newborns. Clinical Neurophysiology, 2017, 128, 647-655.	0.7	19
82	Reproducibility of corticokinematic coherence. NeuroImage, 2018, 179, 596-603.	2.1	19
83	Effect of movement rate on corticokinematic coherence. Neurophysiologie Clinique, 2015, 45, 469-474.	1.0	17
84	Spatial variability in cortex-muscle coherence investigated with magnetoencephalography and high-density surface electromyography. Journal of Neurophysiology, 2015, 114, 2843-2853.	0.9	16
85	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. NeuroImage, 2020, 216, 116788.	2.1	16
86	A Brief Introduction to Magnetoencephalography (MEG) and Its Clinical Applications. Brain Sciences, 2022, 12, 788.	1.1	16
87	Tracking functions of cortical networks on a millisecond timescale. Neural Networks, 2000, 13, 883-889.	3.3	15
88	Evidence for a 7- to 9-Hz σ -Rhythm in the Human SII Cortex. NeuroImage, 2001, 13, 662-668.	2.1	15
89	Phasic stabilization of motor output after auditory and visual distractors. Human Brain Mapping, 2015, 36, 5168-5182.	1.9	15
90	Reliable recording and analysis of MEG-based corticokinematic coherence in the presence of strong magnetic artifacts. Clinical Neurophysiology, 2016, 127, 1460-1469.	0.7	15

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91	Feasibility and reproducibility of electroencephalography-based corticokinematic coherence. <i>Journal of Neurophysiology</i> , 2020, 124, 1959-1967.	0.9	15
92	Effect of cysteamine on levels of somatostatin-like immunoreactivity and catecholamines and on electroencephalogram in the rat brain. <i>Neuropeptides</i> , 1989, 14, 1-9.	0.9	12
93	Neuronal correlates of the subjective experience of attention. <i>European Journal of Neuroscience</i> , 2022, 55, 3465-3482.	1.2	12
94	Supplementary motor cortex involvement in reading epilepsy revealed by magnetic source imaging. <i>Epilepsia</i> , 2011, 52, e31-e34.	2.6	11
95	MRI-compatible pneumatic stimulator for sensorimotor mapping. <i>Journal of Neuroscience Methods</i> , 2019, 313, 29-36.	1.3	11
96	Sensorimotor Mapping With MEG: An Update on the Current State of Clinical Research and Practice With Considerations for Clinical Practice Guidelines. <i>Journal of Clinical Neurophysiology</i> , 2020, 37, 564-573.	0.9	11
97	Preserved Coupling between the Reader's Voice and the Listener's Cortical Activity in Autism Spectrum Disorders. <i>PLoS ONE</i> , 2014, 9, e92329.	1.1	11
98	Electrophysiological evidence for limited progression of the proprioceptive impairment in Friedreich ataxia. <i>Clinical Neurophysiology</i> , 2020, 131, 574-576.	0.7	9
99	Reproducibility of Rolandic beta rhythm modulation in MEG and EEG. <i>Journal of Neurophysiology</i> , 2022, 127, 559-570.	0.9	8
100	Neuromagnetic Cerebellar Activity Entrain to the Kinematics of Executed Finger Movements. <i>Cerebellum</i> , 2018, 17, 531-539.	1.4	7
101	Effect of interstimulus interval on cortical proprioceptive responses to passive finger movements. <i>European Journal of Neuroscience</i> , 2017, 45, 290-298.	1.2	6
102	Gaze-direction-based MEG averaging during audiovisual speech perception. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 17.	1.0	5
103	Cortical Responses to AÎ-Fiber Stimulation: Magnetoencephalographic Recordings in a Subject Lacking Large Myelinated Afferents. <i>Cerebral Cortex</i> , 2010, 20, 1898-1903.	1.6	5
104	Movement Kinematics Dynamically Modulates the Rolandic ~20-Hz Rhythm During Goal-Directed Executed and Observed Hand Actions. <i>Brain Topography</i> , 2018, 31, 566-576.	0.8	4
105	Pneumatic artificial muscle-based stimulator for passive functional magnetic resonance imaging sensorimotor mapping in patients with brain tumours. <i>Journal of Neuroscience Methods</i> , 2021, 359, 109227.	1.3	3
106	Inter-hospital comparison of Ganzfeld ERG photostimulators. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1996, 100, 273-274.	2.0	2
107	A novel ultrasonic haptic device induces touch sensations with potential applications in neuroscience research. , 2020, , .		2
108	Gratifying Gizmos for Research and Clinical MEG. <i>Frontiers in Neurology</i> , 2021, 12, 814573.	1.1	2

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109	Facilitation of the spinal H-reflex by auditory stimulation in dyslexic adults. Neuroscience Letters, 2002, 327, 213-215.	1.0	0
110	Functional Motor Mapping Using Corticokinetic Coherence. IFMBE Proceedings, 2010, , 310-313.	0.2	0
111	Investigations of the Somatosensory System with Magnetoencephalography. , 2020, , 225-246.		0