Veikko JousmÃ¤ki

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	Neuronal correlates of the subjective experience of attention. European Journal of Neuroscience, 2022, 55, 3465-3482.	1.2	12
2	Reproducibility of Rolandic beta rhythm modulation in MEG and EEG. Journal of Neurophysiology, 2022, 127, 559-570.	0.9	8
3	A Brief Introduction to Magnetoencephalography (MEG) and Its Clinical Applications. Brain Sciences, 2022, 12, 788.	1.1	16
4	Pneumatic artificial muscle-based stimulator for passive functional magnetic resonance imaging sensorimotor mapping in patients with brain tumours. Journal of Neuroscience Methods, 2021, 359, 109227.	1.3	3
5	Gratifying Gizmos for Research and Clinical MEG. Frontiers in Neurology, 2021, 12, 814573.	1.1	2
6	Electrophysiological evidence for limited progression of the proprioceptive impairment in Friedreich ataxia. Clinical Neurophysiology, 2020, 131, 574-576.	0.7	9
7	A novel ultrasonic haptic device induces touch sensations with potential applications in neuroscience research. , 2020, , .		2
8	Feasibility and reproducibility of electroencephalography-based corticokinematic coherence. Journal of Neurophysiology, 2020, 124, 1959-1967.	0.9	15
9	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. NeuroImage, 2020, 216, 116788.	2.1	16
10	Comparing MEG and EEG in detecting the ~20-Hz rhythm modulation to tactile and proprioceptive stimulation. NeuroImage, 2020, 215, 116804.	2.1	25
11	Sensorimotor Mapping With MEG: An Update on the Current State of Clinical Research and Practice With Considerations for Clinical Practice Guidelines. Journal of Clinical Neurophysiology, 2020, 37, 564-573.	0.9	11
12	Investigations of the Somatosensory System with Magnetoencephalography. , 2020, , 225-246.		0
13	Spatio-temporal profile of brain activity during gentle touch investigated with magnetoencephalography. NeuroImage, 2019, 201, 116024.	2.1	22
14	Coupling between human brain activity and body movements: Insights from non-invasive electromagnetic recordings. NeuroImage, 2019, 203, 116177.	2.1	62
15	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. Journal of Neuroscience, 2019, 39, 2938-2950.	1.7	49
16	Attenuated beta rebound to proprioceptive afferent feedback in Parkinsonâ€™s disease. Scientific Reports, 2019, 9, 2604.	1.6	27
17	Evidence for genetically determined degeneration of proprioceptive tracts in Friedreich ataxia. Neurology, 2019, 93, e116-e124.	1.5	30
18	MRI-compatible pneumatic stimulator for sensorimotor mapping. Journal of Neuroscience Methods, 2019, 313, 29-36.	1.3	11

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19	Movement Kinematics Dynamically Modulates the Rolandic ~â€‰20-Hz Rhythm During Goal-Directed Executed and Observed Hand Actions. Brain Topography, 2018, 31, 566-576.	0.8	4
20	Neuromagnetic Cerebellar Activity Entrains to the Kinematics of Executed Finger Movements. Cerebellum, 2018, 17, 531-539.	1.4	7
21	Reproducibility of corticokinematic coherence. NeuroImage, 2018, 179, 596-603.	2.1	19
22	Corticokinematic coherence as a new marker for somatosensory afference in newborns. Clinical Neurophysiology, 2017, 128, 647-655.	0.7	19
23	Benchmarking for On-Scalp MEG Sensors. IEEE Transactions on Biomedical Engineering, 2017, 64, 1270-1276.	2.5	20
24	MEG Insight into the Spectral Dynamics Underlying Steady Isometric Muscle Contraction. Journal of Neuroscience, 2017, 37, 10421-10437.	1.7	46
25	Effect of interstimulus interval on cortical proprioceptive responses to passive finger movements. European Journal of Neuroscience, 2017, 45, 290-298.	1.2	6
26	Similarities and differences between on-scalp and conventional in-helmet magnetoencephalography recordings. PLoS ONE, 2017, 12, e0178602.	1.1	25
27	Left Superior Temporal Gyrus Is Coupled to Attended Speech in a Cocktail-Party Auditory Scene. Journal of Neuroscience, 2016, 36, 1596-1606.	1.7	99
28	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
29	Phasic stabilization of motor output after auditory and visual distractors. Human Brain Mapping, 2015, 36, 5168-5182.	1.9	15
30	An Internet-Based Real-Time Audiovisual Link for Dual MEG Recordings. PLoS ONE, 2015, 10, e0128485.	1.1	30
31	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
32	Corticokinematic coherence mainly reflects movement-induced proprioceptive feedback. NeuroImage, 2015, 106, 382-390.	2.1	74
33	MEG-compatible pneumatic stimulator to elicit passive finger and toe movements. NeuroImage, 2015, 112, 310-317.	2.1	56
34	Cortical kinematic processing of executed and observed goal-directed hand actions. NeuroImage, 2015, 119, 221-228.	2.1	26
35	Effect of movement rate on corticokinematic coherence. Neurophysiologie Clinique, 2015, 45, 469-474.	1.0	17
36	Spatial variability in cortex-muscle coherence investigated with magnetoencephalography and high-density surface electromyography. Journal of Neurophysiology, 2015, 114, 2843-2853.	0.9	16

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37	Human primary motor cortex is both activated and stabilized during observation of other person's phasic motor actions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130171.	1.8	27
38	Preserved Coupling between the Reader's Voice and the Listener's Cortical Activity in Autism Spectrum Disorders. PLoS ONE, 2014, 9, e92329.	1.1	11
39	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
40	Coherence between magnetoencephalography and hand-action-related acceleration, force, pressure, and electromyogram. NeuroImage, 2013, 72, 83-90.	2.1	55
41	Corticokinematic coherence during active and passive finger movements. Neuroscience, 2013, 238, 361-370.	1.1	61
42	Comprehensive Functional Mapping Scheme for Non-Invasive Primary Sensorimotor Cortex Mapping. Brain Topography, 2013, 26, 511-523.	0.8	29
43	Primary motor cortex and cerebellum are coupled with the kinematics of observed hand movements. NeuroImage, 2013, 66, 500-507.	2.1	35
44	MEG dual scanning: a procedure to study real-time auditory interaction between two persons. Frontiers in Human Neuroscience, 2012, 6, 83.	1.0	50
45	Validation of head movement correction and spatiotemporal signal space separation in magnetoencephalography. Clinical Neurophysiology, 2012, 123, 2180-2191.	0.7	65
46	Neuronal network coherent with hand kinematics during fast repetitive hand movements. NeuroImage, 2012, 59, 1684-1691.	2.1	63
47	Functional motor-cortex mapping using corticokinematic coherence. NeuroImage, 2011, 55, 1475-1479.	2.1	81
48	Supplementary motor cortex involvement in reading epilepsy revealed by magnetic source imaging. Epilepsia, 2011, 52, e31-e34.	2.6	11
49	Observing touch activates human primary somatosensory cortex. European Journal of Neuroscience, 2010, 31, 1836-1843.	1.2	69
50	Gaze-direction-based MEG averaging during audiovisual speech perception. Frontiers in Human Neuroscience, 2010, 4, 17.	1.0	5
51	Cortical Responses to AÂ-Fiber Stimulation: Magnetoencephalographic Recordings in a Subject Lacking Large Myelinated Afferents. Cerebral Cortex, 2010, 20, 1898-1903.	1.6	5
52	Attenuation of Somatosensory Responses to Self-Produced Tactile Stimulation. Cerebral Cortex, 2010, 20, 425-432.	1.6	57
53	Functional Motor Mapping Using Corticokinetic Coherence. IFMBE Proceedings, 2010, , 310-313.	0.2	0
54	An Easy and Practical Method for Routine, Bedside Testing of Somatosensory Systems in Extremely Low Birth Weight Infants. Pediatric Research, 2009, 66, 710-713.	1.1	33

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55	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
56	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
57	A brush stimulator for functional brain imaging. Clinical Neurophysiology, 2007, 118, 2620-2624.	0.7	40
58	A novel integrated MEG and EEG analysis method for dipolar sources. NeuroImage, 2007, 37, 731-748.	2.1	100
59	Evidence of vibrotactile input to human auditory cortex. NeuroImage, 2006, 29, 15-28.	2.1	92
60	Touch activates human auditory cortex. NeuroImage, 2006, 30, 1325-1331.	2.1	181
61	Quantification of mechanical vibration during diffusion tensor imaging at 3ÂT. NeuroImage, 2006, 32, 93-103.	2.1	36
62	Abnormal activation of face processing systems at early and intermediate latency in individuals with autism spectrum disorder: a magnetoencephalographic study. European Journal of Neuroscience, 2005, 21, 2575-2585.	1.2	77
63	Hands help hearing: Facilitatory audiotactile interaction at low sound-intensity levels. Journal of the Acoustical Society of America, 2004, 115, 830-832.	0.5	100
64	Cortical activation during a spatiotemporal tactile comparison task. NeuroImage, 2004, 22, 815-821.	2.1	21
65	Dorsal penile nerve stimulation elicits left-hemisphere dominant activation in the second somatosensory cortex. Human Brain Mapping, 2003, 18, 90-99.	1.9	31
66	Comparison of BOLD fMRI and MEG characteristics to vibrotactile stimulation. NeuroImage, 2003, 19, 1778-1786.	2.1	30
67	Effects of Interstimulus Interval on Cortical Responses to Painful Laser Stimulation. Journal of Clinical Neurophysiology, 2003, 20, 73-79.	0.9	51
68	Cortical Activation Associated with Passive Movements of the Human Index Finger: An MEG Study. NeuroImage, 2002, 15, 691-696.	2.1	50
69	Facilitation of the spinal H-reflex by auditory stimulation in dyslexic adults. Neuroscience Letters, 2002, 327, 213-215.	1.0	0
70	Neuromagnetic Responses to Frequency-Tagged Sounds: A New Method to Follow Inputs from Each Ear to the Human Auditory Cortex during Binaural Hearing. Journal of Neuroscience, 2002, 22, RC205-RC205.	1.7	72
71	Human cortical representation of virtual auditory space: differences between sound azimuth and elevation. European Journal of Neuroscience, 2002, 16, 2207-2213.	1.2	55
72	Evidence for a 7- to 9-Hz â€œSigmaâ€•Rhythm in the Human SII Cortex. NeuroImage, 2001, 13, 662-668.	2.1	15

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73	Functional Overlap of Finger Representations in Human SI and SII Cortices. Journal of Neurophysiology, 2001, 86, 1661-1665.	0.9	49
74	Speaking modifies voice-evoked activity in the human auditory cortex. , 2000, 9, 183-191.		284
75	Tracking functions of cortical networks on a millisecond timescale. Neural Networks, 2000, 13, 883-889.	3.3	15
76	Extraction of event-related signals from multichannel bioelectrical measurements. IEEE Transactions on Biomedical Engineering, 2000, 47, 583-588.	2.5	64
77	Independent component approach to the analysis of EEG and MEG recordings. IEEE Transactions on Biomedical Engineering, 2000, 47, 589-593.	2.5	639
78	Cognitive Response Profile of the Human Fusiform Face Area as Determined by MEG. Cerebral Cortex, 2000, 10, 69-81.	1.6	424
79	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
80	Magnetoencephalography in Presurgical Evaluation of Children with the Landau-Kleffner Syndrome. Epilepsia, 1999, 40, 326-335.	2.6	80
81	Somatosensory evoked fields to large-area vibrotactile stimuli. Clinical Neurophysiology, 1999, 110, 905-909.	0.7	22
82	Sensorimotor integration in human primary and secondary somatosensory cortices. Brain Research, 1998, 781, 259-267.	1.1	104
83	Vibration-induced auditory-cortex activation in a congenitally deaf adult. Current Biology, 1998, 8, 869-872.	1.8	221
84	Parchment-skin illusion: sound-biased touch. Current Biology, 1998, 8, R190-R191.	1.8	310
85	Neural processing of human faces: a magnetoencephalographic study. Experimental Brain Research, 1998, 118, 501-510.	0.7	61
86	Three hands: fragmentation of human bodily awareness. Neuroscience Letters, 1998, 240, 131-134.	1.0	106
87	Effects of stimulus intensity on signals from human somatosensory cortices. NeuroReport, 1998, 9, 3427-3431.	0.6	62
88	Modulation of Human Cortical Rolandic Rhythms during Natural Sensorimotor Tasks. NeuroImage, 1997, 5, 221-228.	2.1	238
89	Involvement of Primary Motor Cortex in Motor Imagery: A Neuromagnetic Study. NeuroImage, 1997, 6, 201-208.	2.1	320
90	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

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91	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
92	Activation trace lifetime of human cortical responses evoked by apparent visual motion. Neuroscience Letters, 1997, 224, 45-48.	1.0	32
93	Right-hemisphere preponderance of responses to painful CO2 stimulation of the human nasal mucosa. Pain, 1997, 72, 145-151.	2.0	116
94	Odorants activate the human superior temporal sulcus. Neuroscience Letters, 1996, 203, 143-145.	1.0	81
95	Temporal integration in auditory sensory memory: neuromagnetic evidence. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1996, 100, 220-228.	2.0	113
96	Inter-hospital comparison of Ganzfeld ERG photostimulators. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1996, 100, 273-274.	2.0	2
97	Magnetic source imaging during a visually guided task. NeuroReport, 1996, 7, 2961-2964.	0.6	68
98	Preference of Personal to Extrapersonal Space in a Visuomotor Task. Journal of Cognitive Neuroscience, 1996, 8, 305-307.	1.1	44
99	Cardiac Artifacts in Magnetoencephalogram. Journal of Clinical Neurophysiology, 1996, 13, 172-176.	0.9	46
100	Interaction between afferent input from fingers in human somatosensory cortex. Brain Research, 1995, 685, 68-76.	1.1	50
101	Tactile information from the human hand reaches the ipsilateral primary somatosensory cortex. Neuroscience Letters, 1995, 200, 25-28.	1.0	112
102	Habituation of auditory N100 correlates with amygdaloid volumes and frontal functions in age-associated memory impairment. Physiology and Behavior, 1995, 57, 927-935.	1.0	35
103	Automatic auditory discrimination is impaired in Parkinson's disease. Electroencephalography and Clinical Neurophysiology, 1995, 95, 47-52.	0.3	72
104	Auditory sensory memory impairment in AlzheimerÊ¼s disease. NeuroReport, 1994, 5, 2537-2540.	0.6	126
105	Prolonged Latencies of Pattern Reversal Visual Evoked Early Potentials in Alzheimer Disease. Alzheimer Disease and Associated Disorders, 1994, 8, 250-258.	0.6	21
106	Effects of 45-Hz magnetic fields on the functional state of the human brain. Bioelectromagnetics, 1993, 14, 87-95.	0.9	105
107	Mismatch negativity area and age-related auditory memory. Electroencephalography and Clinical Neurophysiology, 1993, 87, 321-325.	0.3	86
108	Electrophysiological and neuropsychological effects of a central alpha2-antagonist atipamezole in healthy volunteers. Behavioural Brain Research, 1993, 55, 85-91.	1.2	26

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109	Age-related cognitive decline and electroencephalogram slowing in down's syndrome as a model of Alzheimer's disease. Neuroscience, 1993, 53, 57-63.	1.1	33
110	Influence of short-term exposure of magnetic field on the bioelectrical processes of the brain and performance. International Journal of Psychophysiology, 1993, 14, 227-231.	0.5	43
111	Effect of cysteamine on levels of somatostatin-like immunoreactivity and catecholamines and on electroencephalogram in the rat brain. Neuropeptides, 1989, 14, 1-9.	0.9	12