

- Hyppönen, Jelena et al. "Automatic assessment of the myoclonus severity from videos recorded according to standardized Unified Myoclonus Rating Scale protocol and using human pose and body movement analysis". *Seizure*. 2020, 76. 72-78. <https://doi.org/10.1016/j.seizure.2020.01.014>
- Rezaei, A., A. Koulouri, ja S. Pursiainen. "Randomized Multiresolution Scanning in Focal and Fast E/MEG Sensing of Brain Activity with a Variable Depth". *Brain Topography*. 2020, 33(2). 161-175. <https://doi.org/10.1007/s10548-020-00755-8>
- Rimpiläinen, Ville et al. "Improved EEG source localization with Bayesian uncertainty modelling of unknown skull conductivity". *NeuroImage*. 2019, 188. 252-260. <https://doi.org/10.1016/j.neuroimage.2018.11.058>
- Ylä-Outinen, Laura et al. "Advances in Human Stem Cell-Derived Neuronal Cell Culturing and Analysis". *In Vitro Neuronal Networks: From Culturing Methods to Neuro-Technological Applications*. Advances in Neurobiology. Springer New York LLC. 2019, 299-329. [https://doi.org/10.1007/978-3-030-11135-9\\_13](https://doi.org/10.1007/978-3-030-11135-9_13)
- Miinalainen, Tuuli et al. "A realistic, accurate and fast source modeling approach for the EEG forward problem". *NeuroImage*. 2019, 184(1). 56-67. <https://doi.org/10.1016/j.neuroimage.2018.08.054>
- Klapper, Simon D. et al. "Astrocyte lineage cells are essential for functional neuronal differentiation and synapse maturation in human iPSC-derived neural networks". *Glia*. 2019, 67(10). 1893-1909. <https://doi.org/10.1002/glia.23666>
- Sonkajärvi, Eila et al. "Epileptiform and periodic EEG activities induced by rapid sevoflurane anaesthesia induction". *Clinical Neurophysiology*. 2018, 129(3). 638-645. <https://doi.org/10.1016/j.clinph.2017.12.037>
- Kauppi, Jukka-Pekka et al. "Functional brain segmentation using inter-subject correlation in fMRI". *Human Brain Mapping*. 2017, 38(5). 2643-2665. <https://doi.org/10.1002/hbm.23549>
- Moradi, Elaheh et al. "Predicting symptom severity in autism spectrum disorder based on cortical thickness measures in agglomerative data". *NeuroImage*. 2017, 144(A). 128-141. <https://doi.org/10.1016/j.neuroimage.2016.09.049>
- Ilvesmäki, Tero et al. "Spinal cord injury induces widespread chronic changes in cerebral white matter". *Human Brain Mapping*. 2017, 38(7). 3637-3647. <https://doi.org/10.1002/hbm.23619>
- Tenhunen, Mirja, Joel Hasan ja Sari Leena Himanen. "Assessment of respiratory effort during sleep with noninvasive techniques". *Sleep Medicine Reviews*. 2015, 24. 103-104. <https://doi.org/10.1016/j.smr.2015.08.010>
- Sibolt, Gerli et al. "Severe cerebral white matter lesions in ischemic stroke patients are associated with less time spent at home and early institutionalization". *INTERNATIONAL JOURNAL OF STROKE*. 2015, 10(8). 1192-1196. <https://doi.org/10.1111/ijis.12578>
- Tenhunen, Mirja et al. "Evaluation of the different sleep-disordered breathing patterns of the compressed tracheal sound". *Clinical Neurophysiology*. 2015, 126(8). 1557-1563. <https://doi.org/10.1016/j.clinph.2014.11.003>
- Basnyat, Pabitra et al. "Association between soluble L-selectin and anti-JCV antibodies in natalizumab-treated relapsing-remitting MS patients". *Multiple Sclerosis and Related Disorders*. 2015, 4(4). 334-338. <https://doi.org/10.1016/j.msard.2015.06.008>
- Bron, Esther E. et al. "Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI: The CADDementia challenge". *NeuroImage*. 2015, 111. 562-579. <https://doi.org/10.1016/j.neuroimage.2015.01.048>
- Hagman, Sanna et al. "Analysis of apoptosis-related genes in patients with clinically isolated syndrome and their association with conversion to multiple sclerosis". *JOURNAL OF NEUROIMMUNOLOGY*. 2015, 280. 43-48. <https://doi.org/10.1016/j.jneuroim.2015.02.006>

Möttönen, T. et al. "Defining the anterior nucleus of the thalamus (ANT) as a deep brain stimulation target in refractory epilepsy: Delineation using 3 T MRI and intraoperative microelectrode recording". *NeuroImage: Clinical*. 2015, 7. 823-829. <https://doi.org/10.1016/j.nicl.2015.03.001>

Nevalainen, Olli et al. "Autoimmunity-related immunological serum markers and survival in a tertiary care cohort of adult patients with epilepsy". *EPILEPSY RESEARCH*. 2014, 108(9). 1675-1679. <https://doi.org/10.1016/j.eplepsyres.2014.08.014>

Hartikainen, Kaisa M. et al. "Immediate effects of deep brain stimulation of anterior thalamic nuclei on executive functions and emotion-attention interaction in humans". *JOURNAL OF CLINICAL AND EXPERIMENTAL NEUROPSYCHOLOGY*. 2014, 36(5). 540-550. <https://doi.org/10.1080/13803395.2014.913554>

Sibolt, Gerli et al. "Post-stroke depression and depression-executive dysfunction syndrome are associated with recurrence of ischaemic stroke". *CEREBROVASCULAR DISEASES*. 2013, 36(5-6). 336-343. <https://doi.org/10.1159/000355145>

Salminen, Aaro V. et al. "Disconnection between periodic leg movements and cortical arousals in spinal cord injury". *JOURNAL OF CLINICAL SLEEP MEDICINE*. 2013, 9(11). 1207-1209. <https://doi.org/10.5664/jcsm.3174>

Nevalainen, Olli et al. "Mortality by clinical characteristics in a tertiary care cohort of adult patients with chronic epilepsy". *EPILEPSIA*. 2012. 53(12). <https://doi.org/10.1111/epi.12006>

Melkas, S. et al. "Extensive white matter changes predict stroke recurrence up to 5 years after a first-ever ischemic stroke". *CEREBROVASCULAR DISEASES*. 2012, 34(3). 191-198. <https://doi.org/10.1159/000341404>

Natarajan, Renuka et al. "Melatonin pathway genes are associated with progressive subtypes and disability status in multiple sclerosis among Finnish patients". *JOURNAL OF NEUROIMMUNOLOGY*. 2012, 250(1-2). 106-110. <https://doi.org/10.1016/j.jneuroim.2012.05.014>

Hagman, Sanna et al. "Disease-associated inflammatory biomarker profiles in blood in different subtypes of multiple sclerosis: Prospective clinical and MRI follow-up study". *JOURNAL OF NEUROIMMUNOLOGY*. 2011, 234(1-2). 141-147. <https://doi.org/10.1016/j.jneuroim.2011.02.009>

Malmivaara, K. et al. "Cost-effectiveness of decompressive craniectomy in non-traumatic neurological emergencies". *European Journal of Neurology*. 2011, 18(3). 402-409. <https://doi.org/10.1111/j.1468-1331.2010.03162.x>