

- Wortha SM, Bloechle J, Ninaus M, Kiili K, Lindstedt A, Bahnmueller J, Moeller K, Klein E. 2020. Neurofunctional plasticity in fraction learning: An fMRI training study. *Trends in Neuroscience and Education*. 21. <https://doi.org/10.1016/j.tine.2020.100141>
- Lolicato F, Juhola H, Zak A, Postila PA, Saukko A, Rissanen S, Enkavi G, Vattulainen I, Kepczynski M, Róg T. 2020. Membrane-Dependent Binding and Entry Mechanism of Dopamine into Its Receptor. *ACS Chemical Neuroscience*. 11(13):1914–1924. <https://doi.org/10.1021/acscchemneuro.9b00656>
- Rimpiläinen V, Koulouri A, Lucka F, Kaipio JP, Wolters CH. 2019. Improved EEG source localization with Bayesian uncertainty modelling of unknown skull conductivity. *NeuroImage*. 188:252-260. <https://doi.org/10.1016/j.neuroimage.2018.11.058>
- Miinalainen T, Rezaei A, Us D, Nüßing A, Engwer C, Wolters CH, Pursiainen S. 2019. A realistic, accurate and fast source modeling approach for the EEG forward problem. *NeuroImage*. 184(1):56-67. <https://doi.org/10.1016/j.neuroimage.2018.08.054>
- Angleraud A, Houbre Q, Pieters R. 2019. Teaching semantics and skills for human-robot collaboration. *Paladyn*. 10(1):318-329. <https://doi.org/10.1515/pjbr-2019-0025>
- Gavas RD, Tripathy SR, Chatterjee D, Sinha A. 2018. Cognitive load and metacognitive confidence extraction from pupillary response. *Cognitive Systems Research*. 52:325-334. <https://doi.org/10.1016/j.cogsys.2018.07.021>
- Angleraud A, Houbre Q, Kyrki V, Pieters R. 2018. Human-robot interactive learning architecture using ontologies and symbol manipulation. *teoksessa RO-MAN 2018 - 27th IEEE International Symposium on Robot and Human Interactive Communication: August 27-31, 2018, Nanjing, China.. IEEE*. Sivut 384-389. (IEEE RO-MAN). <https://doi.org/10.1109/ROMAN.2018.8525580>
- Tran DT, Iosifidis A, Gabbouj M. 2018. Improving efficiency in convolutional neural networks with multilinear filters. *Neural Networks*. 105:328-339. <https://doi.org/10.1016/j.neunet.2018.05.017>
- Xiao L, Liao B, Li S, Chen K. 2018. Nonlinear recurrent neural networks for finite-time solution of general time-varying linear matrix equations. *Neural Networks*. 98:102-113. <https://doi.org/10.1016/j.neunet.2017.11.011>
- Chen K, Zhang Z. 2018. A Primal Neural Network for Online Equality-Constrained Quadratic Programming. *Cognitive Computation*. 10(2):381–388. <https://doi.org/10.1007/s12559-017-9510-4>
- Iantovics LB, Emmert-Streib F, Arik S. 2017. MetrIntMeas a novel metric for measuring the intelligence of a swarm of cooperating agents. *Cognitive Systems Research*. 45:17-29. <https://doi.org/10.1016/j.cogsys.2017.04.006>
- Sciaccia MFM, Romanucci V, Zarrelli A, Monaco I, Lolicato F, Spinella N, Galati C, Grasso G, D'Urso L, Romeo M, Diomede L, Salmona M, Bongiorno C, Di Fabio G, La Rosa C, Milardi D. 2017. Inhibition of A β Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry. *ACS Chemical Neuroscience*. 8(8):1767-1778. <https://doi.org/10.1021/acscchemneuro.7b00110>
- Mokkila S, Postila PA, Rissanen S, Juhola H, Vattulainen I, Róg T. 2017. Calcium Assists Dopamine Release by Preventing Aggregation on the Inner Leaflet of Presynaptic Vesicles. *ACS Chemical Neuroscience*. 8(6):1242-1250. <https://doi.org/10.1021/acscchemneuro.6b00395>
- Waris MA, Iosifidis A, Gabbouj M. 2017. CNN-based edge filtering for object proposals. *Neurocomputing*. 266:631-640. <https://doi.org/10.1016/j.neucom.2017.05.071>
- Moradi E, Khundrakpam B, Lewis JD, Evans AC, Tohka J. 2017. Predicting symptom severity in autism spectrum disorder based on cortical thickness measures in agglomerative data. *NeuroImage*. 144(A):128–141. <https://doi.org/10.1016/j.neuroimage.2016.09.049>

Sun L, Peräkylä J, Polvivaara M, Öhman J, Peltola J, Lehtimäki K, Huhtala H, Hartikainen KM. 2015. Human anterior thalamic nuclei are involved in emotion-attention interaction. *NEUROPSYCHOLOGIA*. 78:88-94. <https://doi.org/10.1016/j.neuropsychologia.2015.10.001>

Iosifidis A, Tefas A, Pitas I. 2015. DropELM: Fast neural network regularization with Dropout and DropConnect. *Neurocomputing*. 162:57-66. <https://doi.org/10.1016/j.neucom.2015.04.006>

Iosifidis A, Tefas A, Pitas I. 2015. Distance-based human action recognition using optimized class representations. *Neurocomputing*. 161:47-55. <https://doi.org/10.1016/j.neucom.2014.10.088>

Bron EE, Smits M, van der Flier WM, Vrenken H, Barkhof F, Scheltens P, Papma JM, Steketee RME, Méndez Orellana C, Meijboom R, Pinto M, Meireles JR, Garrett C, Bastos-Leite AJ, Abdulkadir A, Ronneberger O, Amoroso N, Bellotti R, Cárdenas-Peña D, Álvarez-Meza AM, Dolph CV, Iftekharuddin KM, Eskildsen SF, Coupé P, Fonov VS, Franke K, Gaser C, Ledig C, Guerrero R, Tong T, Gray KR, Moradi E, Tohka J, Routier A, Durrleman S, Sarica A, Di Fatta G, Sensi F, Chincarini A, Smith GM, Stoyanov ZV, Sørensen L, Nielsen M, Tangaro S, Inglese P, Wachinger C, Reuter M, van Swieten JC, Niessen WJ, Klein S. 2015. Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI: The CADDementia challenge. *NeuroImage*. 111:562-579. <https://doi.org/10.1016/j.neuroimage.2015.01.048>

Möttönen T, Katisko J, Haapasalo J, Tähtinen T, Kiekara T, Kähärä V, Peltola J, Öhman J, Lehtimäki K. 2015. 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*. 7:823-829. <https://doi.org/10.1016/j.nicl.2015.03.001>

Iosifidis A. 2015. Extreme learning machine based supervised subspace learning. *Neurocomputing*. 167:158–164. <https://doi.org/10.1016/j.neucom.2015.04.083>

Iosifidis A, Tefas A, Pitas I. 2014. Regularized extreme learning machine for multi-view semi-supervised action recognition. *Neurocomputing*. 145:250-262. <https://doi.org/10.1016/j.neucom.2014.05.036>

Iosifidis A, Tefas A, Pitas I. 2013. Learning sparse representations for view-independent human action recognition based on fuzzy distances. *Neurocomputing*. 121:344-353. <https://doi.org/10.1016/j.neucom.2013.05.021>

Faisal A, Gillberg J, Leen G, Peltonen J. 2013. Transfer learning using a nonparametric sparse topic model. *Neurocomputing*. 112:124-137. <https://doi.org/10.1016/j.neucom.2012.12.038>

Pajarinen J, Peltonen J, Uusitalo MA. 2011. Fault tolerant machine learning for nanoscale cognitive radio. *Neurocomputing*. 74(5):753-764. <https://doi.org/10.1016/j.neucom.2010.10.007>