

- 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>
- Miinalainen, T., Rezaei, A., Us, D., Nüßing, A., Engwer, C., Wolters, C. H., & 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>
- Mokkila, S., Postila, P. A., 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, M. A., 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>
- Gavas, R. D., Tripathy, S. R., 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>
- Möttönen, T., Katisko, J., Haapasalo, J., Tähtinen, T., Kiekara, T., Kähärä, V., ... 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., 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>
- 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. (2015). Extreme learning machine based supervised subspace learning. *Neurocomputing*, *167*, 158–164. <https://doi.org/10.1016/j.neucom.2015.04.083>
- Pajarinen, J., Peltonen, J., & Uusitalo, M. A. (2011). Fault tolerant machine learning for nanoscale cognitive radio. *Neurocomputing*, *74*(5), 753-764. <https://doi.org/10.1016/j.neucom.2010.10.007>
- Sun, L., Peräkylä, J., Polvivaara, M., Öhman, J., Peltola, J., Lehtimäki, K., ... Hartikainen, K. M. (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>
- Rimpiläinen, V., Koulouri, A., Lucka, F., Kaipio, J. P., & Wolters, C. H. (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>
- Tran, D. T., 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>
- Sciacca, M. F. M., Romanucci, V., Zarrelli, A., Monaco, I., Lolicato, F., Spinella, N., ... Milardi, D. (2017). Inhibition of A $\beta$  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>
- 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>
- Lolicato, F., Juhola, H., Zak, A., Postila, P. A., Saukko, A., Rissanen, S., ... 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>

Iantovics, L. B., 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>

Wortha, S. M., Bloechle, J., Ninaus, M., Kiili, K., Lindstedt, A., Bahnmüller, J., ... Klein, E. (2020). Neurofunctional plasticity in fraction learning: An fMRI training study. *Trends in Neuroscience and Education*, *21*, [100141]. <https://doi.org/10.1016/j.tine.2020.100141>

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>

Moradi, E., Khundrakpam, B., Lewis, J. D., Evans, A. C., & 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>

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>

Bron, E. E., Smits, M., van der Flier, W. M., Vrenken, H., Barkhof, F., Scheltens, P., ... 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>

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>

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>

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*. (Sivut 384-389). (IEEE RO-MAN). IEEE. <https://doi.org/10.1109/ROMAN.2018.8525580>