

# Tarmo Lipping

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

985  
citations

840585

11  
h-index

477173

29  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crop yield prediction with deep convolutional neural networks. Computers and Electronics in Agriculture, 2019, 163, 104859.	3.7	261
2	Comparison of Entropy and Complexity Measures for the Assessment of Depth of Sedation. IEEE Transactions on Biomedical Engineering, 2006, 53, 1067-1077.	2.5	219
3	Crop Yield Prediction Using Multitemporal UAV Data and Spatio-Temporal Deep Learning Models. Remote Sensing, 2020, 12, 4000.	1.8	65
4	Behavior of Entropy/Complexity Measures of the Electroencephalogram during Propofol-induced Sedation. Anesthesiology, 2007, 106, 696-706.	1.3	62
5	Propofol and Remifentanil Differentially Modulate Frontal Electroencephalographic Activity. Anesthesiology, 2010, 113, 292-304.	1.3	44
6	Patient-Specific Seizure Detection Using Nonlinear Dynamics and Nullclines. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 543-555.	3.9	42
7	Neural mass model-based tracking of anesthetic brain states. NeuroImage, 2016, 133, 438-456.	2.1	37
8	Relationship between approximate entropy and visual inspection of irregularity in the EEG signal, a comparison with spectral entropy. British Journal of Anaesthesia, 2012, 109, 928-934.	1.5	32
9	Comparison of the Properties of EEG Spindles in Sleep and Propofol Anesthesia. , 2006, 2006, 6356-9.		30
10	Non-linear algorithms for processing biological signals. Computer Methods and Programs in Biomedicine, 1996, 51, 51-73.	2.6	26
11	Effects of hypoxia on the complexity of respiratory patterns during maturation. Early Human Development, 2002, 70, 55-71.	0.8	21
12	Adaptive segmentation of burst-suppression pattern in isoflurane and enflurane anesthesia. Journal of Clinical Monitoring and Computing, 1995, 12, 161-167.	0.3	12
13	Entropy of the EEG in transition to burst suppression in deep anesthesia: Surrogate analysis. , 2010, 2010, 2790-3.		12
14	Landscape development modeling based on statistical framework. Computers and Geosciences, 2014, 62, 43-52.	2.0	9
15	Tracking Electroencephalographic Changes Using Distributions of Linear Models: Application to Propofol-Based Depth of Anesthesia Monitoring. IEEE Transactions on Biomedical Engineering, 2017, 64, 870-881.	2.5	9
16	Assessment of objective voice quality over best-effort networks. Computer Communications, 2005, 28, 582-588.	3.1	8
17	Data-Driven Approach to Benthic Cover Type Classification Using Bathymetric LiDAR Waveform Analysis. Remote Sensing, 2015, 7, 13390-13409.	1.8	8
18	Prediction of outcome in traumatic brain injury patients using long-term qEEG features. , 2015, 2015, 1532-5.		8

#	ARTICLE	IF	CITATIONS
19	Spectral Characteristics of Common Reed Beds: Studies on Spatial and Temporal Variability. Remote Sensing, 2016, 8, 181.	1.8	8
20	DC-level Detection of Burst-Suppression EEG. Methods of Information in Medicine, 1994, 33, 35-38.	0.7	8
21	Assesment of ENVI Forest Health Tool in Detection of Dust and Seepage Contaminated Forest Areas. , 2008, , .		7
22	Nonlinear Interpretation of Respiratory Sinus Arrhythmia in Anesthesia. Methods of Information in Medicine, 1994, 33, 52-57.	0.7	7
23	Exploring the IBIS data library contents. Computer Methods and Programs in Biomedicine, 2000, 63, 187-201.	2.6	5
24	Power Spectrum and Cross Power Spectral Density Based EEG Correlates of Intensive Care Delirium. , 2019, 2019, 4562-4565.		5
25	Tracking rhythm in long-term EEG recordings using empirical mode calculation. , 2008, 2008, 3604-7.		4
26	Probabilistic assessment of the influence of lake properties in long-term radiation doses to humans. Journal of Environmental Radioactivity, 2016, 164, 258-267.	0.9	4
27	Using the nonlinear control of anaesthesia-induced hypersensitivity of EEG at burst suppression level to test the effects of radiofrequency radiation on brain function. Nonlinear Biomedical Physics, 2009, 3, 5.	1.5	3
28	Feasibility of Benthic Cover-Type Mapping in Turbid Waters near Estuaries Using Hyperspectral Remote Sensing. Journal of Coastal Research, 2014, 298, 1131-1139.	0.1	3
29	Probabilistic assessment of the impact of bottom sediment on doses to humans from a groundwater-mediated radionuclide release in a farm-lake scenario. Journal of Radiological Protection, 2019, 39, 564-578.	0.6	3
30	Direct Imaging Based Seam Tracking for Welding Control. , 2006, , .		2
31	Phoneme analysis based on quantitative and qualitative entropy measurement. Computer Speech and Language, 2008, 22, 313-329.	2.9	2
32	Classification of EEG bursts in deep sevoflurane, desflurane and isoflurane anesthesia using AR-modeling and entropy measures. , 2013, 2013, 5083-6.		2
33	Synchronization of brain activity during induction of propofol anesthesia: Comparison of methods. , 2016, 2016, 5505-5508.		2
34	Historical Perspectives to Postglacial Uplift. Springer Briefs in Geography, 2019, , .	0.1	2
35	Electroencephalography in Evaluating Mental Workload of Gaming. , 2021, 2021, 845-848.		2
36	A new method for evaluating the performance of depth-of-hypnosis indices - the D-value. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6488-91.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Assessment of hyperspectral classification methods for benthic cover type mapping. , 2012, , .		1
38	Effects of shadow correction on vegetation and land cover classification from high resolution aerial images. , 2016, , .		1
39	Spatial variability of reed bed spectra in Olkiluoto Island. , 2016, , .		1
40	Crop Lodging Analysis from Uas Orthophoto Mosaic, Sentinel-2 Image and Crop Yield Monitor Data. , 2018, , .		1
41	Phase Coupling in EEG Burst Suppression during Propofol Anesthesia. IFMBE Proceedings, 2008, , 260-263.	0.2	1
42	Connectivity Analysis of Full Montage EEG in Traumatic Brain Injury Patients in the ICU. IFMBE Proceedings, 2018, , 97-100.	0.2	1
43	Creation and Error Analysis of High Resolution DEM Based on Source Data Sets of Various Accuracy. Lecture Notes in Geoinformation and Cartography, 2009, , 341-353.	0.5	1
44	Assessment of Crop Yield Prediction Capabilities of CNN Using Multisource Data. , 2022, , 173-186.		1
45	A Minimalist Approach to Yield Mapping of Standing Wheat Crop with Unmanned Aerial Vehicles. , 2022, , 157-171.		1
46	Monitoring trends in cardiac surgery. , 0, , .		0
47	<title>Analysis of photo-stimulation and microwave stimulation effects on EEG signal using Higuchi's fractal dimension method</title>. , 2004, , .		0
48	Transformation and texture based features in TerraSAR-X data classification for environmental monitoring. , 2015, , .		0
49	Reliability of ROS Networked Mobile Robots. International Journal of Open Source Software and Processes, 2019, 10, 34-48.	0.5	0
50	Probabilistic Framework for Modelling the Evolution of Geomorphic Features in 10,000-Year Time Scale: The Eurajoki River Case. Lecture Notes in Geoinformation and Cartography, 2016, , 369-382.	0.5	0
51	Correlation of Depth of Anesthesia Indexes with MAC in Volatile Anesthesia. IFMBE Proceedings, 2018, , 972-975.	0.2	0
52	Modelling of Postglacial Landscape Development. Springer Briefs in Geography, 2019, , 37-48.	0.1	0
53	Overview of the Prehistory of Eura: Life Around a Few Radiocarbon Dated Spots. Springer Briefs in Geography, 2019, , 19-36.	0.1	0
54	Congestion Control Supported Dual-Mode Video Transfer. Communications in Computer and Information Science, 2019, , 326-345.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Lake and mire isolation data set for the estimation of post-glacial land uplift in Fennoscandia. Earth System Science Data, 2020, 12, 869-873.	3.7	0
56	Role of Drones in Characterizing Soil Water Content in Open Field Cultivation. , 2022, , 121-137.		0