Thomas Martinetz

List of Publications by Year
in descending order

30	998	516710 16	477307 29
papers	citations	h-index	g-index

33	33	33	986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ensemble Deep Learning and Internet of Things-Based Automated COVID-19 Diagnosis Framework. Contrast Media and Molecular Imaging, 2022, 2022, 1-10.	0.8	26
2	Trading Stocks Based on Financial News Using Attention Mechanism. Mathematics, 2022, 10, 2001.	2.2	6
3	Towards Explainable Ear Recognition Systems Using Deep Residual Networks. IEEE Access, 2021, 9, 122254-122273.	4.2	26
4	Explainable COVID-19 Detection Using Chest CT Scans and Deep Learning. Sensors, 2021, 21, 455.	3.8	143
5	COVID-Nets: deep CNN architectures for detecting COVID-19 using chest CT scans. PeerJ Computer Science, 2021, 7, e655.	4.5	34
6	A computational study of suppression of sharp wave ripple complexes by controlling calcium and gap junctions in pyramidal cells. Bioengineered, 2021, 12, 2603-2615.	3.2	2
7	Multivariate and Online Prediction of Closing Price Using Kernel Adaptive Filtering. Computational Intelligence and Neuroscience, 2021, 2021, 1-14.	1.7	3
8	Deep Convolutional Neural Networks for Unconstrained Ear Recognition. IEEE Access, 2020, 8, 170295-170310.	4.2	40
9	Ensembles of Deep Learning Models and Transfer Learning for Ear Recognition. Sensors, 2019, 19, 4139.	3.8	57
10	Handcrafted versus CNN Features for Ear Recognition. Symmetry, 2019, 11, 1493.	2.2	39
11	Modeling the effect of sleep regulation on a neural mass model. Journal of Computational Neuroscience, 2016, 41, 15-28.	1.0	23
12	Self-organizing maps for hand and full body tracking. Neurocomputing, 2015, 147, 174-184.	5.9	18
13	Characterization of K-Complexes and Slow Wave Activity in a Neural Mass Model. PLoS Computational Biology, 2014, 10, e1003923.	3.2	21
14	Dynamics of the thalamo-cortical system driven by pulsed sensory stimulation. BMC Neuroscience, 2013, 14, .	1.9	0
15	EcmPred: Prediction of extracellular matrix proteins based on random forest with maximum relevance minimum redundancy feature selection. Journal of Theoretical Biology, 2013, 317, 377-383.	1.7	21
16	Sparse Coding and Selected Applications. KI - Kunstliche Intelligenz, 2012, 26, 349-355.	3.2	0
17	The phase response of the cortical slow oscillation. Cognitive Neurodynamics, 2012, 6, 367-375.	4.0	9
18	Intrinsic Dimensionality Predicts the Saliency of Natural Dynamic Scenes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1080-1091.	13.9	40

#	Article	IF	Citations
19	Robust and Fast Learning of Sparse Codes With Stochastic Gradient Descent. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 1048-1060.	10.8	13
20	AFP-Pred: A random forest approach for predicting antifreeze proteins from sequence-derived properties. Journal of Theoretical Biology, 2011, 270, 56-62.	1.7	226
21	Eye Movements Show Optimal Average Anticipation with Natural Dynamic Scenes. Cognitive Computation, 2011, 3, 79-88.	5.2	16
22	Soft-competitive learning of sparse codes and its application to image reconstruction. Neurocomputing, 2011, 74, 1418-1428.	5.9	9
23	SPRED: A machine learning approach for the identification of classical and non-classical secretory proteins in mammalian genomes. Biochemical and Biophysical Research Communications, 2010, 391, 1306-1311.	2.1	33
24	Deictic Gestures with a Time-of-Flight Camera. Lecture Notes in Computer Science, 2010, , 110-121.	1.3	12
25	A Learned Saliency Predictor for Dynamic Natural Scenes. Lecture Notes in Computer Science, 2010, , 52-61.	1.3	7
26	Sparse Coding Neural Gas: Learning of overcomplete data representations. Neurocomputing, 2009, 72, 1547-1555.	5.9	47
27	Approaching the Time Dependent Cocktail Party Problem with Online Sparse Coding Neural Gas. Lecture Notes in Computer Science, 2009, , 145-153.	1.3	1
28	Simple Method for High-Performance Digit Recognition Based on Sparse Coding. IEEE Transactions on Neural Networks, 2008, 19, 1985-1989.	4.2	72
29	Eye movement predictions on natural videos. Neurocomputing, 2006, 69, 1996-2004.	5.9	26
30	Guiding Eye Movements for Better Communication and Augmented Vision. Lecture Notes in Computer Science, 2006, , 1-8.	1.3	9