Robert Jenssen

List of Publications by Year
in descending order

57 papers	1,845 citations	361413 20 h-index	377865 34 g-index
57 all docs	57 docs citations	57 times ranked	1892 citing authors

#	Article	IF	Citations
1	Code-Aligned Autoencoders for Unsupervised Change Detection in Multimodal Remote Sensing Images. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 60-72.	11.3	38
2	Deep Image Translation With an Affinity-Based Change Prior for Unsupervised Multimodal Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-22.	6.3	62
3	Clinically Relevant Features for Predicting the Severity of Surgical Site Infections. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1794-1801.	6.3	1
4	Anomaly detection-inspired few-shot medical image segmentation through self-supervision with supervoxels. Medical Image Analysis, 2022, 78, 102385.	11.6	26
5	Multi-modal land cover mapping of remote sensing images using pyramid attention and gated fusion networks. International Journal of Remote Sensing, 2022, 43, 3509-3535.	2.9	5
6	Reservoir Computing Approaches for Representation and Classification of Multivariate Time Series. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2169-2179.	11.3	80
7	Understanding Convolutional Neural Networks With Information Theory: An Initial Exploration. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 435-442.	11.3	30
8	LS-Net: fast single-shot line-segment detector. Machine Vision and Applications, 2021, 32, 1.	2.7	30
9	Cerebral blood flow measurements with ¹⁵O-water PET using a non-invasive machine-learning-derived arterial input function. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2229-2241.	4.3	15
10	Self-constructing graph neural networks to model long-range pixel dependencies for semantic segmentation of remote sensing images. International Journal of Remote Sensing, 2021, 42, 6184-6208.	2.9	8
11	Joint optimization of an autoencoder for clustering and embedding. Machine Learning, 2021, 110, 1901-1937.	5.4	7
12	Uncertainty-Aware Deep Ensembles for Reliable and Explainable Predictions of Clinical Time Series. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2435-2444.	6.3	20
13	Uncertainty and interpretability in convolutional neural networks for semantic segmentation of colorectal polyps. Medical Image Analysis, 2020, 60, 101619.	11.6	92
14	Dense Dilated Convolutionsâ€™ Merging Network for Land Cover Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6309-6320.	6.3	81
15	Self-Constructing Graph Convolutional Networks for Semantic Labeling. , 2020, , .		11
16	Recurrent Deep Divergence-based Clustering for Simultaneous Feature Learning and Clustering of Variable Length Time Series. , 2019, , .		8
17	Learning representations of multivariate time series with missing data. Pattern Recognition, 2019, 96, 106973.	8.1	35
18	Dense Dilated Convolutions Merging Network for Semantic Mapping of Remote Sensing Images. , 2019, , .		5

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19	Maximizing Interpretability and Cost-Effectiveness of Surgical Site Infection (SSI) Predictive Models Using Feature-Specific Regularized Logistic Regression on Preoperative Temporal Data. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-13.	1.3	13
20	Deep divergence-based approach to clustering. Neural Networks, 2019, 113, 91-101.	5.9	32
21	Road Mapping in Lidar Images Using a Joint-Task Dense Dilated Convolutions Merging Network. , 2019, , .		2
22	Classification of postoperative surgical site infections from blood measurements with missing data using recurrent neural networks. , 2018, , .		12
23	Time series cluster kernel for learning similarities between multivariate time series with missing data. Pattern Recognition, 2018, 76, 569-581.	8.1	71
24	A Comparison of Deep Learning Architectures for Semantic Mapping of Very High Resolution Images. , 2018, , .		7
25	Ranking Using Transition Probabilities Learned from Multi-Attribute Data. , 2018, , .		0
26	Using multi-anchors to identify patients suffering from multimorbidities. , 2018, , .		0
27	UNCERTAINTY MODELING AND INTERPRETABILITY IN CONVOLUTIONAL NEURAL NETWORKS FOR POLYP SEGMENTATION. , 2018, , .		20
28	Urban Land Cover Classification With Missing Data Modalities Using Deep Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1758-1768.	4.9	37
29	Gaussian Process Sensitivity Analysis for Oceanic Chlorophyll Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1265-1277.	4.9	21
30	Training Echo State Networks with Regularization Through Dimensionality Reduction. Cognitive Computation, 2017, 9, 364-378.	5.2	51
31	Multiplex visibility graphs to investigate recurrent neural network dynamics. Scientific Reports, 2017, 7, 44037.	3.3	26
32	Recurrent Neural Networks for Short-Term Load Forecasting. SpringerBriefs in Computer Science, 2017, , .	0.2	154
33	Critical echo state network dynamics by means of Fisher information maximization. , 2017, , .		2
34	Temporal overdrive recurrent neural network. , 2017, , .		4
35	Density ridge manifold traversal. , 2017, , .		1
36	The time series cluster kernel. , 2017, , .		1

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37	A Clustering Approach to Heterogeneous Change Detection. Lecture Notes in Computer Science, 2017, , 181-192.	1.3	18
38	Semantic Segmentation of Small Objects and Modeling of Uncertainty in Urban Remote Sensing Images Using Deep Convolutional Neural Networks. , 2016, , .		332
39	Support Vector Feature Selection for Early Detection of Anastomosis Leakage From Bag-of-Words in Electronic Health Records. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1404-1415.	6.3	60
40	INFORMATION THEORETIC CLUSTERING USING A K-NEAREST NEIGHBORS-BASED DIVERGENCE MEASURE. , 2016, , 69-88.		0
41	Sensitivity analysis of Gaussian processes for oceanic chlorophyll prediction. , 2015, , .		2
42	Kernel covariance series smoothing. , 2015, , .		0
43	Data-driven Temporal Prediction of Surgical Site Infection. AMIA ... Annual Symposium proceedings, 2015, 2015, 1164-73.	0.2	15
44	Mixture weight influence on kernel entropy component analysis and semi-supervised learning using the Lasso. , 2012, , .		4
45	Land-cover classification of partly missing data using support vector machines. International Journal of Remote Sensing, 2012, 33, 4471-4481.	2.9	59
46	A Scatter-Based Prototype Framework and Multi-Class Extension of Support Vector Machines. PLoS ONE, 2012, 7, e42947.	2.5	8
47	Kernel Entropy Component Analysis for Remote Sensing Image Clustering. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 312-316.	3.1	41
48	Kernel entropy component analysis: New theory and semi-supervised learning. , 2011, , .		4
49	A new scatter-based multi-class support vector machine. , 2011, , .		1
50	Kernel Entropy Component Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 847-860.	13.9	235
51	The Laplacian Classifier. IEEE Transactions on Signal Processing, 2007, 55, 3262-3271.	5.3	11
52	Indefinite Parzen Window for Spectral Clustering. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	4
53	Experimental Upper Bound for Convolutive Mixtures of Speech by Maximizing SIR. IEEE International Workshop on Machine Learning for Signal Processing, 2006, , .	0.0	1
54	Some Equivalences between Kernel Methods and Information Theoretic Methods. Journal of Signal Processing Systems, 2006, 45, 49-65.	1.0	24

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55	Gaussianization: An Efficient Multivariate Density Estimation Technique for Statistical Signal Processing. Journal of Signal Processing Systems, 2006, 45, 67-83.	1.0	16
56	An Information Theoretic Perspective to Kernel K-Means. , 2006, , .		2
57	Reducing Objective Function Mismatch in Deep Clustering with the Unsupervised Companion Objective. Proceedings of the Northern Lights Deep Learning Workshop, 0, 2, .	0.0	0