

Robert Jensen

List of Publications by Year in descending order

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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	Semantic Segmentation of Small Objects and Modeling of Uncertainty in Urban Remote Sensing Images Using Deep Convolutional Neural Networks. , 2016, , .		332
2	Kernel Entropy Component Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 847-860.	13.9	235
3	Recurrent Neural Networks for Short-Term Load Forecasting. SpringerBriefs in Computer Science, 2017, , .	0.2	154
4	Uncertainty and interpretability in convolutional neural networks for semantic segmentation of colorectal polyps. Medical Image Analysis, 2020, 60, 101619.	11.6	92
5	Dense Dilated Convolutionsâ€™ Merging Network for Land Cover Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6309-6320.	6.3	81
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	Time series cluster kernel for learning similarities between multivariate time series with missing data. Pattern Recognition, 2018, 76, 569-581.	8.1	71
8	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
9	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
10	Land-cover classification of partly missing data using support vector machines. International Journal of Remote Sensing, 2012, 33, 4471-4481.	2.9	59
11	Training Echo State Networks with Regularization Through Dimensionality Reduction. Cognitive Computation, 2017, 9, 364-378.	5.2	51
12	Kernel Entropy Component Analysis for Remote Sensing Image Clustering. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 312-316.	3.1	41
13	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
14	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
15	Learning representations of multivariate time series with missing data. Pattern Recognition, 2019, 96, 106973.	8.1	35
16	Deep divergence-based approach to clustering. Neural Networks, 2019, 113, 91-101.	5.9	32
17	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
18	LS-Net: fast single-shot line-segment detector. Machine Vision and Applications, 2021, 32, 1.	2.7	30

#	ARTICLE	IF	CITATIONS
19	Multiplex visibility graphs to investigate recurrent neural network dynamics. Scientific Reports, 2017, 7, 44037.	3.3	26
20	Anomaly detection-inspired few-shot medical image segmentation through self-supervision with supervoxels. Medical Image Analysis, 2022, 78, 102385.	11.6	26
21	Some Equivalences between Kernel Methods and Information Theoretic Methods. Journal of Signal Processing Systems, 2006, 45, 49-65.	1.0	24
22	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
23	UNCERTAINTY MODELING AND INTERPRETABILITY IN CONVOLUTIONAL NEURAL NETWORKS FOR POLYP SEGMENTATION. , 2018, , .		20
24	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
25	A Clustering Approach to Heterogeneous Change Detection. Lecture Notes in Computer Science, 2017, , 181-192.	1.3	18
26	Gaussianization: An Efficient Multivariate Density Estimation Technique for Statistical Signal Processing. Journal of Signal Processing Systems, 2006, 45, 67-83.	1.0	16
27	Cerebral blood flow measurements with ¹⁵ O-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
28	Data-driven Temporal Prediction of Surgical Site Infection. AMIA ... Annual Symposium proceedings, 2015, 2015, 1164-73.	0.2	15
29	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
30	Classification of postoperative surgical site infections from blood measurements with missing data using recurrent neural networks. , 2018, , .		12
31	The Laplacian Classifier. IEEE Transactions on Signal Processing, 2007, 55, 3262-3271.	5.3	11
32	Self-Constructing Graph Convolutional Networks for Semantic Labeling. , 2020, , .		11
33	A Scatter-Based Prototype Framework and Multi-Class Extension of Support Vector Machines. PLoS ONE, 2012, 7, e42947.	2.5	8
34	Recurrent Deep Divergence-based Clustering for Simultaneous Feature Learning and Clustering of Variable Length Time Series. , 2019, , .		8
35	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
36	A Comparison of Deep Learning Architectures for Semantic Mapping of Very High Resolution Images. , 2018, , .		7

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37	Joint optimization of an autoencoder for clustering and embedding. Machine Learning, 2021, 110, 1901-1937.	5.4	7
38	Dense Dilated Convolutions Merging Network for Semantic Mapping of Remote Sensing Images. , 2019, , .		5
39	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
40	Indefinite Parzen Window for Spectral Clustering. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	4
41	Kernel entropy component analysis: New theory and semi-supervised learning. , 2011, , .		4
42	Mixture weight influence on kernel entropy component analysis and semi-supervised learning using the Lasso. , 2012, , .		4
43	Temporal overdrive recurrent neural network. , 2017, , .		4
44	An Information Theoretic Perspective to Kernel K-Means. , 2006, , .		2
45	Sensitivity analysis of Gaussian processes for oceanic chlorophyll prediction. , 2015, , .		2
46	Critical echo state network dynamics by means of Fisher information maximization. , 2017, , .		2
47	Road Mapping in Lidar Images Using a Joint-Task Dense Dilated Convolutions Merging Network. , 2019, , .		2
48	Experimental Upper Bound for Convolutional Mixtures of Speech by Maximizing SIR. IEEE International Workshop on Machine Learning for Signal Processing, 2006, , .	0.0	1
49	A new scatter-based multi-class support vector machine. , 2011, , .		1
50	Density ridge manifold traversal. , 2017, , .		1
51	The time series cluster kernel. , 2017, , .		1
52	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
53	Kernel covariance series smoothing. , 2015, , .		0
54	INFORMATION THEORETIC CLUSTERING USING A K-NEAREST NEIGHBORS-BASED DIVERGENCE MEASURE. , 2016, , 69-88.		0

#	ARTICLE	IF	CITATIONS
55	Ranking Using Transition Probabilities Learned from Multi-Attribute Data. , 2018, , .		0
56	Using multi-anchors to identify patients suffering from multimorbidities. , 2018, , .		0
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