

Grigorios Tsagkatakis

List of Publications by Year in descending order

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papers

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69
all docs

69
docs citations

69
times ranked

949
citing authors

#	ARTICLE	IF	CITATIONS
1	4D U-Nets for Multi-Temporal Remote Sensing Data Classification. Remote Sensing, 2022, 14, 634.	1.8	7
2	OmbriaNet—Supervised Flood Mapping via Convolutional Neural Networks Using Multitemporal Sentinel-1 and Sentinel-2 Data Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2341-2356.	2.3	19
3	Embedded Temporal Convolutional Networks for Essential Climate Variables Forecasting. Sensors, 2022, 22, 1851.	2.1	0
4	4D Convolutional Neural Networks for Multi-Spectral and Multi-Temporal Remote Sensing Data Classification. , 2022, , .		1
5	Artificial Neural Networks in Action for an Automated Cell-Type Classification of Biological Neural Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 755-767.	3.4	5
6	Tensor Decomposition Learning for Compression of Multidimensional Signals. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 476-490.	7.3	2
7	Deep multi-modal satellite and in-situ observation fusion for Soil Moisture retrieval. , 2021, , .		0
8	Convolutional Neural Networks for Spectroscopic Redshift Estimation on Euclid Data. IEEE Transactions on Big Data, 2020, 6, 460-476.	4.4	6
9	Snapshot High Dynamic Range Imaging via Sparse Representations and Feature Learning. IEEE Transactions on Multimedia, 2020, 22, 688-703.	5.2	5
10	Large-Scale 3D Two-Photon Imaging of Molecularly Identified CA1 Interneuron Dynamics in Behaving Mice. Neuron, 2020, 108, 968-983.e9.	3.8	77
11	Quantized Tensor Robust Principal Component Analysis. , 2020, , .		3
12	Tensor Dictionary Learning with Representation Quantization for Remote Sensing Observation Compression. , 2020, , .		5
13	Semantic Predictive Coding with Arbitrated Generative Adversarial Networks. Machine Learning and Knowledge Extraction, 2020, 2, 307-326.	3.2	2
14	Distributed Training and Inference of Deep Learning Models for Multi-Modal Land Cover Classification. Remote Sensing, 2020, 12, 2670.	1.8	13
15	Quantifying the structure of strong gravitational lens potentials with uncertainty-aware deep neural networks. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5641-5652.	1.6	10
16	Multi-Temporal Convolutional Neural Networks for Satellite-Derived Soil Moisture Observation Enhancement. , 2020, , .		5
17	Efficient Convolutional Neural Network Weight Compression for Space Data Classification on Multi-fpga Platforms. , 2019, , .		7
18	Alternating Direction Method of Multipliers for Semi-blind Astronomical Image Deconvolution. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Survey of Deep-Learning Approaches for Remote Sensing Observation Enhancement. Sensors, 2019, 19, 3929.	2.1	92
20	Graph and Rank Regularized Matrix Recovery for Snapshot Spectral Image Demosaicing. IEEE Transactions on Computational Imaging, 2019, 5, 301-316.	2.6	19
21	Quasar microlensing light-curve analysis using deep machine learning. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1944-1952.	1.6	11
22	Deep Learning for Multilabel Land Cover Scene Categorization Using Data Augmentation. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1031-1035.	1.4	71
23	Compression of High-Dimensional Multispectral Image Time Series Using Tensor Decomposition Learning. , 2019, , .		3
24	Sparse Representations on DW-MRI: A Study on Pancreas. , 2019, , .		0
25	On Realizing Distributed Deep Neural Networks: An Astrophysics Case Study. , 2019, , .		0
26	Spectral Super Resolution of Hyperspectral Images via Coupled Dictionary Learning. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2777-2797.	2.7	28
27	1-Bit Tensor Completion. IS&T International Symposium on Electronic Imaging, 2018, 30, 261-1-261-6.	0.3	10
28	On the Impact of Tensor Completion in the Classification of Undersampled Hyperspectral Imagery. , 2018, , .		2
29	Convolutional neural networks for the analysis of broadcasted tennis games. IS&T International Symposium on Electronic Imaging, 2018, 2018, 206-1-206-6.	0.3	3
30	Recovery of Soil Moisture Active Passive (SMAP) Instrument's Active Measurements via Coupled Dictionary Learning. IS&T International Symposium on Electronic Imaging, 2018, 30, 229-1-229-6.	0.3	1
31	Matrix and Tensor Signal Modelling in Cyber Physical Systems. , 2018, , 107-127.		2
32	Goal!!! Event detection in sports video. IS&T International Symposium on Electronic Imaging, 2017, 29, 15-20.	0.3	15
33	Matrix and Tensor Completion on a Human Activity Recognition Framework. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1554-1561.	3.9	22
34	Dictionary learning for spontaneous neural activity modeling. , 2017, 2017, 1579-1583.		1
35	Denosing galaxy spectra with coupled dictionary learning. , 2017, , .		2
36	Deep Convolutional Neural Networks for the Classification of Snapshot Mosaic Hyperspectral Imagery. IS&T International Symposium on Electronic Imaging, 2017, 29, 185-190.	0.3	22

#	ARTICLE	IF	CITATIONS
37	Spectral Resolution Enhancement of Hyperspectral Images via Sparse Representations. IS&T International Symposium on Electronic Imaging, 2016, 2016, 1-6.	0.3	8
38	Non-negative Matrix Completion for the Enhancement of Snapshot Mosaic Multispectral Imagery. IS&T International Symposium on Electronic Imaging, 2016, 2016, 1-6.	0.3	8
39	Effects of matrix completion on the classification of undersampled human activity data streams. , 2016, , .		2
40	A Self-similar and sparse approach for spectral mosaic snapshot recovery. , 2016, , .		1
41	Singular spectrum-based matrix completion for time series recovery and prediction. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.0	11
42	Land Classification Using Remotely Sensed Data: Going Multilabel. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3548-3563.	2.7	38
43	Efficient Multi-Channel Signal Strength Based Localization via Matrix Completion and Bayesian Sparse Learning. IEEE Transactions on Mobile Computing, 2015, 14, 2244-2256.	3.9	25
44	Compressed hyperspectral sensing. , 2015, , .		1
45	Multireturn compressed gated range imaging. Optical Engineering, 2015, 54, 031106.	0.5	13
46	Recovery of quantized compressed sensing measurements. , 2015, , .		3
47	Application of Matrix Completion on Water Treatment Data. , 2015, , .		3
48	Deep learning for multi-label land cover classification. , 2015, , .		7
49	Compressed sensing reconstruction of convolved sparse signals. , 2014, , .		2
50	Efficient recalibration via Dynamic Matrix Completion. , 2013, , .		1
51	Compressed gated range sensing. , 2013, , .		2
52	Sparse representations for hand gesture recognition. , 2013, , .		7
53	Active range imaging via random gating. Proceedings of SPIE, 2012, , .	0.8	3
54	Low vision assistance using face detection and tracking on android smartphones. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
55	Compressive video classification for decision systems with limited resources. , 2012, , .		0
56	Dictionary based reconstruction and classification of randomly sampled sensor network data. , 2012, , .		5
57	Efficient high dynamic range imaging via matrix completion. , 2012, , .		4
58	Sparse Representations and Distance Learning for Attribute Based Category Recognition. Lecture Notes in Computer Science, 2012, , 29-42.	1.0	3
59	Online Distance Metric Learning for Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1810-1821.	5.6	55
60	Manifold based Sparse Representation for robust expression recognition without neutral subtraction. , 2011, , .		37
61	Manifold learning for simultaneous pose and facial expression recognition. , 2011, , .		1
62	Manifold Modeling with Learned Distance in Random Projection Space for Face Recognition. , 2010, , .		2
63	Face Recognition Using Sparse Representations and Manifold Learning. Lecture Notes in Computer Science, 2010, , 509-518.	1.0	1
64	Face Detection in Resource Constrained Wireless Systems. Lecture Notes in Computer Science, 2010, , 203-220.	1.0	0
65	Random Projections for face detection under resource constraints. , 2009, , .		6
66	A random projections model for object tracking under variable pose and multi-camera views. , 2009, , .		10
67	Multiple description based image transmission with Low Density Parity Check codes. , 2008, , .		0