

# Grigorios Tsagkatakis

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

752  
citations

686830

13  
h-index

610482

24  
g-index

69  
all docs

69  
docs citations

69  
times ranked

949  
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey of Deep-Learning Approaches for Remote Sensing Observation Enhancement. <i>Sensors</i> , 2019, 19, 3929.	2.1	92
2	Large-Scale 3D Two-Photon Imaging of Molecularly Identified CA1 Interneuron Dynamics in Behaving Mice. <i>Neuron</i> , 2020, 108, 968-983.e9.	3.8	77
3	Deep Learning for Multilabel Land Cover Scene Categorization Using Data Augmentation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 1031-1035.	1.4	71
4	Online Distance Metric Learning for Object Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011, 21, 1810-1821.	5.6	55
5	Land Classification Using Remotely Sensed Data: Going Multilabel. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 3548-3563.	2.7	38
6	Manifold based Sparse Representation for robust expression recognition without neutral subtraction. , 2011, , .		37
7	Spectral Super Resolution of Hyperspectral Images via Coupled Dictionary Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 2777-2797.	2.7	28
8	Efficient Multi-Channel Signal Strength Based Localization via Matrix Completion and Bayesian Sparse Learning. <i>IEEE Transactions on Mobile Computing</i> , 2015, 14, 2244-2256.	3.9	25
9	Matrix and Tensor Completion on a Human Activity Recognition Framework. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1554-1561.	3.9	22
10	Deep Convolutional Neural Networks for the Classification of Snapshot Mosaic Hyperspectral Imagery. <i>IS&amp;T International Symposium on Electronic Imaging</i> , 2017, 29, 185-190.	0.3	22
11	Graph and Rank Regularized Matrix Recovery for Snapshot Spectral Image Demosaicing. <i>IEEE Transactions on Computational Imaging</i> , 2019, 5, 301-316.	2.6	19
12	OmbriaNet—Supervised Flood Mapping via Convolutional Neural Networks Using Multitemporal Sentinel-1 and Sentinel-2 Data Fusion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 2341-2356.	2.3	19
13	Goal!! Event detection in sports video. <i>IS&amp;T International Symposium on Electronic Imaging</i> , 2017, 29, 15-20.	0.3	15
14	Multireturn compressed gated range imaging. <i>Optical Engineering</i> , 2015, 54, 031106.	0.5	13
15	Distributed Training and Inference of Deep Learning Models for Multi-Modal Land Cover Classification. <i>Remote Sensing</i> , 2020, 12, 2670.	1.8	13
16	Singular spectrum-based matrix completion for time series recovery and prediction. <i>Eurasip Journal on Advances in Signal Processing</i> , 2016, 2016, .	1.0	11
17	Quasar microlensing light-curve analysis using deep machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1944-1952.	1.6	11
18	A random projections model for object tracking under variable pose and multi-camera views. , 2009, , .		10

#	ARTICLE	IF	CITATIONS
19	1-Bit Tensor Completion. IS&T International Symposium on Electronic Imaging, 2018, 30, 261-1-261-6.	0.3	10
20	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
21	Spectral Resolution Enhancement of Hyperspectral Images via Sparse Representations. IS&T International Symposium on Electronic Imaging, 2016, 2016, 1-6.	0.3	8
22	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
23	Sparse representations for hand gesture recognition. , 2013, , .		7
24	Deep learning for multi-label land cover classification. , 2015, , .		7
25	Efficient Convolutional Neural Network Weight Compression for Space Data Classification on Multi-fpga Platforms. , 2019, , .		7
26	4D U-Nets for Multi-Temporal Remote Sensing Data Classification. Remote Sensing, 2022, 14, 634.	1.8	7
27	Random Projections for face detection under resource constraints. , 2009, , .		6
28	Convolutional Neural Networks for Spectroscopic Redshift Estimation on Euclid Data. IEEE Transactions on Big Data, 2020, 6, 460-476.	4.4	6
29	Dictionary based reconstruction and classification of randomly sampled sensor network data. , 2012, , .		5
30	Snapshot High Dynamic Range Imaging via Sparse Representations and Feature Learning. IEEE Transactions on Multimedia, 2020, 22, 688-703.	5.2	5
31	Tensor Dictionary Learning with Representation Quantization for Remote Sensing Observation Compression. , 2020, , .		5
32	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
33	Multi-Temporal Convolutional Neural Networks for Satellite-Derived Soil Moisture Observation Enhancement. , 2020, , .		5
34	Low vision assistance using face detection and tracking on android smartphones. , 2012, , .		4
35	Efficient high dynamic range imaging via matrix completion. , 2012, , .		4
36	Active range imaging via random gating. Proceedings of SPIE, 2012, , .	0.8	3

#	ARTICLE	IF	CITATIONS
37	Recovery of quantized compressed sensing measurements. , 2015, , .		3
38	Application of Matrix Completion on Water Treatment Data. , 2015, , .		3
39	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
40	Compression of High-Dimensional Multispectral Image Time Series Using Tensor Decomposition Learning. , 2019, , .		3
41	Quantized Tensor Robust Principal Component Analysis. , 2020, , .		3
42	Sparse Representations and Distance Learning for Attribute Based Category Recognition. Lecture Notes in Computer Science, 2012, , 29-42.	1.0	3
43	Manifold Modeling with Learned Distance in Random Projection Space for Face Recognition. , 2010, , .		2
44	Compressed gated range sensing. , 2013, , .		2
45	Compressed sensing reconstruction of convolved sparse signals. , 2014, , .		2
46	Effects of matrix completion on the classification of undersampled human activity data streams. , 2016, , .		2
47	Denoising galaxy spectra with coupled dictionary learning. , 2017, , .		2
48	On the Impact of Tensor Completion in the Classification of Undersampled Hyperspectral Imagery. , 2018, , .		2
49	Semantic Predictive Coding with Arbitrated Generative Adversarial Networks. Machine Learning and Knowledge Extraction, 2020, 2, 307-326.	3.2	2
50	Tensor Decomposition Learning for Compression of Multidimensional Signals. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 476-490.	7.3	2
51	Matrix and Tensor Signal Modelling in Cyber Physical Systems. , 2018, , 107-127.		2
52	Manifold learning for simultaneous pose and facial expression recognition. , 2011, , .		1
53	Efficient recalibration via Dynamic Matrix Completion. , 2013, , .		1
54	Compressed hyperspectral sensing. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
55	A Self-similar and sparse approach for spectral mosaic snapshot recovery. , 2016, , .		1
56	Dictionary learning for spontaneous neural activity modeling. , 2017, 2017, 1579-1583.		1
57	Face Recognition Using Sparse Representations and Manifold Learning. Lecture Notes in Computer Science, 2010, , 509-518.	1.0	1
58	Recovery of Soil Moisture Active Passive (SMAP) Instrument's Active Measurements via Coupled Dictionary Learning. IS&T International Symposium on Electronic Imaging, 2018, 30, 229-1-2296.	0.3	1
59	4D Convolutional Neural Networks for Multi-Spectral and Multi-Temporal Remote Sensing Data Classification. , 2022, , .		1
60	Multiple description based image transmission with Low Density Parity Check codes. , 2008, , .		0
61	Compressive video classification for decision systems with limited resources. , 2012, , .		0
62	Alternating Direction Method of Multipliers for Semi-blind Astronomical Image Deconvolution. , 2019, , .		0
63	Sparse Representations on DW-MRI: A Study on Pancreas. , 2019, , .		0
64	On Realizing Distributed Deep Neural Networks: An Astrophysics Case Study. , 2019, , .		0
65	Deep multi-modal satellite and in-situ observation fusion for Soil Moisture retrieval. , 2021, , .		0
66	Face Detection in Resource Constrained Wireless Systems. Lecture Notes in Computer Science, 2010, , 203-220.	1.0	0
67	Embedded Temporal Convolutional Networks for Essential Climate Variables Forecasting. Sensors, 2022, 22, 1851.	2.1	0