

# Ricardo Borsoi

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

640  
citations

759233

12  
h-index

794594

19  
g-index

28  
all docs

28  
docs citations

28  
times ranked

407  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral Variability in Hyperspectral Data Unmixing: A comprehensive review. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 223-270.	9.6	92
2	Super-Resolution for Hyperspectral and Multispectral Image Fusion Accounting for Seasonal Spectral Variability. IEEE Transactions on Image Processing, 2020, 29, 116-127.	9.8	78
3	A Fast Multiscale Spatial Regularization for Sparse Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 598-602.	3.1	76
4	Deep Generative Endmember Modeling: An Application to Unsupervised Spectral Unmixing. IEEE Transactions on Computational Imaging, 2020, 6, 374-384.	4.4	68
5	Generalized Linear Mixing Model Accounting for Endmember Variability. , 2018, , .		54
6	Low-Rank Tensor Modeling for Hyperspectral Unmixing Accounting for Spectral Variability. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1833-1842.	6.3	43
7	Coupled Tensor Decomposition for Hyperspectral and Multispectral Image Fusion With Inter-Image Variability. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 702-717.	10.8	34
8	A Data Dependent Multiscale Model for Hyperspectral Unmixing With Spectral Variability. IEEE Transactions on Image Processing, 2020, 29, 3638-3651.	9.8	29
9	Super-resolution reconstruction of electrical impedance tomography images. Computers and Electrical Engineering, 2018, 69, 1-13.	4.8	26
10	A Low-Rank Tensor Regularization Strategy for Hyperspectral Unmixing. , 2018, , .		18
11	A Blind Multiscale Spatial Regularization Framework for Kernel-Based Spectral Unmixing. IEEE Transactions on Image Processing, 2020, 29, 4965-4979.	9.8	17
12	Deep Generative Models for Library Augmentation in Multiple Endmember Spectral Mixture Analysis. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1831-1835.	3.1	16
13	Model-Based Deep Autoencoder Networks for Nonlinear Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	13
14	A New Adaptive Video Super-Resolution Algorithm With Improved Robustness to Innovations. IEEE Transactions on Image Processing, 2019, 28, 673-686.	9.8	12
15	Improved Hyperspectral Unmixing with Endmember Variability Parametrized Using an Interpolated Scaling Tensor. , 2019, , .		10
16	Fast Unmixing and Change Detection in Multitemporal Hyperspectral Data. IEEE Transactions on Computational Imaging, 2021, 7, 975-988.	4.4	10
17	Hyperspectral Super-resolution Accounting for Spectral Variability: Coupled Tensor LL1-Based Recovery and Blind Unmixing of the Unknown Super-resolution Image. SIAM Journal on Imaging Sciences, 2022, 15, 110-138.	2.2	10
18	Kalman Filtering and Expectation Maximization for Multitemporal Spectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Online Graph Topology Inference with Kernels For Brain Connectivity Estimation. , 2020, , .		7
20	On the Performance and Implementation of Parallax Free Video See-Through Displays. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2011-2022.	4.4	4
21	Online Kernel-Based Graph Topology Identification with Partial-Derivative-Imposed Sparsity. , 2021, , .		3
22	A Homogeneity-Based Multiscale Hyperspectral Image Representation for Sparse Spectral Unmixing. , 2021, , .		3
23	A new adaptive video SRR algorithm with improved robustness to innovations. , 2017, , .		2
24	Robust online video super-resolution using an efficient alternating projections scheme. Signal Processing, 2020, 172, 107575.	3.7	2
25	Convergence Analysis of the Graph-Topology-Inference Kernel LMS Algorithm. , 2021, , .		2
26	Graph Topology Inference With Derivative-Reproducing Property in RKHS: Algorithm and Convergence Analysis. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 78-91.	2.8	1
27	Robust parameter strategy for Wiener-based binaural noise reduction methods in hearing aids. Biomedical Signal Processing and Control, 2022, 74, 103461.	5.7	1