

Jose M P Nascimento

List of Publications by Year in descending order

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47
papers

3,914
citations

1040056

9
h-index

752698

20
g-index

48
all docs

48
docs citations

48
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertex component analysis: a fast algorithm to unmix hyperspectral data. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 898-910.	6.3	2,066
2	Hyperspectral Subspace Identification. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2435-2445.	6.3	925
3	Does independent component analysis play a role in unmixing hyperspectral data?. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 175-187.	6.3	304
4	Hyperspectral Unmixing Based on Mixtures of Dirichlet Components. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 863-878.	6.3	116
5	Nonlinear mixture model for hyperspectral unmixing. Proceedings of SPIE, 2009, , .	0.8	106
6	Integration of Full and Mixed Pixel Techniques to Obtain Thematic Maps with a Re-Adjusted Resolution. , 2012, , 424-441.		102
7	Hyperspectral unmixing algorithm via dependent component analysis. , 2007, , .		47
8	Parallel Hyperspectral Unmixing on GPUs. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 666-670.	3.1	37
9	Estimation of signal subspace on hyperspectral data. , 2005, , .		36
10	Hyperspectral signal subspace estimation. , 2007, , .		22
11	Embedded System for Individual Recognition Based on ECG Biometrics. Procedia Technology, 2014, 17, 265-272.	1.1	18
12	Parallel Hyperspectral Coded Aperture for Compressive Sensing on GPUs. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 932-944.	4.9	16
13	Unmixing hyperspectral intimate mixtures. Proceedings of SPIE, 2010, , .	0.8	12
14	Parallel Hyperspectral Unmixing Method via Split Augmented Lagrangian on GPU. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 626-630.	3.1	9
15	Hyperspectral Compressive Sensing With a System-On-Chip FPGA. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3701-3710.	4.9	9
16	Learning dependent sources using mixtures of Dirichlet: Applications on hyperspectral unmixing. , 2009, , .		8
17	Signal Subspace Identification in Hyperspectral Linear Mixtures. Lecture Notes in Computer Science, 2005, , 207-214.	1.3	7
18	Does Independent Component Analysis Play a Role in Unmixing Hyperspectral Data?. Lecture Notes in Computer Science, 2003, , 616-625.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Parallel sparse unmixing of hyperspectral data. , 2013, , .		6
20	Independent component analysis applied to unmixing hyperspectral data. , 2004, , .		5
21	Dependent Component Analysis: A Hyperspectral Unmixing Algorithm. Lecture Notes in Computer Science, 2007, , 612-619.	1.3	5
22	New developments on VCA unmixing algorithm. Proceedings of SPIE, 2008, , .	0.8	5
23	Hyperspectral image reconstruction from random projections on GPU. , 2016, , .		5
24	Nonlinear spectral unmixing. Data Handling in Science and Technology, 2019, 32, 151-166.	3.1	5
25	Parallel implementation of vertex component analysis for hyperspectral endmember extraction. , 2012, , .		4
26	A fast parallel hyperspectral coded aperture algorithm for compressive sensing using OpenCL. , 2015, , .		4
27	Unmixing Hyperspectral Data: Independent and Dependent Component Analysis. , 0, , 149-177.		3
28	Vertex component analysis GPU-based implementation for hyperspectral unmixing. , 2012, , .		3
29	Biometric recognition system using low bandwidth ECG signals. , 2013, , .		3
30	System-on-chip field-programmable gate array design for onboard real-time hyperspectral unmixing. Journal of Applied Remote Sensing, 2016, 10, 015004.	1.3	3
31	Hyperspectral Compressive Sensing on Low Energy Consumption Board. , 2018, , .		3
32	Blind hyperspectral unmixing. Proceedings of SPIE, 2007, , .	0.8	2
33	FPGA-based architecture for hyperspectral unmixing. , 2015, , .		2
34	GPU implementation of a hyperspectral coded aperture algorithm for compressive sensing. , 2015, , .		2
35	Fast unsupervised extraction of endmembers spectra from hyperspectral data. Proceedings of SPIE, 2004, 5239, 314.	0.8	1
36	Parallel method for sparse semisupervised hyperspectral unmixing. Proceedings of SPIE, 2013, , .	0.8	1

#	ARTICLE	IF	CITATIONS
37	Parallel GPU architecture for hyperspectral unmixing based on augmented Lagrangian method. , 2015, , .		1
38	FPGA-based Architecture for Hyperspectral Compressive Sensing. , 2021, , .		1
39	Vertex Component Analysis. , 2007, , 149-173.		1
40	On the use of Jetson TX1 board for parallel hyperspectral compressive sensing. , 2017, , .		1
41	Hyperspectral compressive sensing: a low-power consumption approach. , 2018, , .		1
42	Hyperspectral compressive sensing: a comparison of embedded GPU and ARM implementations. , 2019, , .		1
43	FPGA-based architecture for hyperspectral endmember extraction. Proceedings of SPIE, 2014, , .	0.8	0
44	GPU implementation of a constrained hyperspectral coded aperture algorithm for compressive sensing. , 2015, , .		0
45	Parallel hyperspectral compressive sensing method on GPU. , 2015, , .		0
46	GPU implementation of the simplex identification via split augmented Lagrangian. , 2015, , .		0
47	Parallel hyperspectral image reconstruction using random projections. , 2016, , .		0