

Jose M P Nascimento

List of Publications by Year in descending order

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47
papers

3,914
citations

1040056

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752698

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48
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48
docs citations

48
times ranked

2121
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | FPGA-based Architecture for Hyperspectral Compressive Sensing. , 2021, , . | | 1 |
| 2 | 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 |
| 3 | Nonlinear spectral unmixing. Data Handling in Science and Technology, 2019, 32, 151-166. | 3.1 | 5 |
| 4 | Hyperspectral compressive sensing: a comparison of embedded GPU and ARM implementations. , 2019, , . | | 1 |
| 5 | Hyperspectral Compressive Sensing on Low Energy Consumption Board. , 2018, , . | | 3 |
| 6 | Hyperspectral compressive sensing: a low-power consumption approach. , 2018, , . | | 1 |
| 7 | On the use of Jetson TX1 board for parallel hyperspectral compressive sensing. , 2017, , . | | 1 |
| 8 | Parallel hyperspectral image reconstruction using random projections. , 2016, , . | | 0 |
| 9 | Parallel Hyperspectral Unmixing Method via Split Augmented Lagrangian on GPU. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 626-630. | 3.1 | 9 |
| 10 | Hyperspectral image reconstruction from random projections on GPU. , 2016, , . | | 5 |
| 11 | 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 |
| 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 | GPU implementation of a constrained hyperspectral coded aperture algorithm for compressive sensing. , 2015, , . | | 0 |
| 14 | FPGA-based architecture for hyperspectral unmixing. , 2015, , . | | 2 |
| 15 | GPU implementation of a hyperspectral coded aperture algorithm for compressive sensing. , 2015, , . | | 2 |
| 16 | A fast parallel hyperspectral coded aperture algorithm for compressive sensing using OpenCL. , 2015, , . | | 4 |
| 17 | Parallel hyperspectral compressive sensing method on GPU. , 2015, , . | | 0 |
| 18 | Parallel GPU architecture for hyperspectral unmixing based on augmented Lagrangian method. , 2015, , . | | 1 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | GPU implementation of the simplex identification via split augmented Lagrangian. , 2015, , . | | 0 |
| 20 | Embedded System for Individual Recognition Based on ECG Biometrics. Procedia Technology, 2014, 17, 265-272. | 1.1 | 18 |
| 21 | FPGA-based architecture for hyperspectral endmember extraction. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 22 | Parallel Hyperspectral Unmixing on GPUs. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 666-670. | 3.1 | 37 |
| 23 | Biometric recognition system using low bandwidth ECG signals. , 2013, , . | | 3 |
| 24 | Parallel method for sparse semisupervised hyperspectral unmixing. Proceedings of SPIE, 2013, , . | 0.8 | 1 |
| 25 | Parallel sparse unmixing of hyperspectral data. , 2013, , . | | 6 |
| 26 | Parallel implementation of vertex component analysis for hyperspectral endmember extraction. , 2012, , . | | 4 |
| 27 | Vertex component analysis GPU-based implementation for hyperspectral unmixing. , 2012, , . | | 3 |
| 28 | Hyperspectral Unmixing Based on Mixtures of Dirichlet Components. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 863-878. | 6.3 | 116 |
| 29 | Integration of Full and Mixed Pixel Techniques to Obtain Thematic Maps with a ReAdjusted Resolution. , 2012, , 424-441. | | 102 |
| 30 | Unmixing hyperspectral intimate mixtures. Proceedings of SPIE, 2010, , . | 0.8 | 12 |
| 31 | Learning dependent sources using mixtures of Dirichlet: Applications on hyperspectral unmixing. , 2009, , . | | 8 |
| 32 | Nonlinear mixture model for hyperspectral unmixing. Proceedings of SPIE, 2009, , . | 0.8 | 106 |
| 33 | Hyperspectral Subspace Identification. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2435-2445. | 6.3 | 925 |
| 34 | New developments on VCA unmixing algorithm. Proceedings of SPIE, 2008, , . | 0.8 | 5 |
| 35 | Dependent Component Analysis: A Hyperspectral Unmixing Algorithm. Lecture Notes in Computer Science, 2007, , 612-619. | 1.3 | 5 |
| 36 | Hyperspectral signal subspace estimation. , 2007, , . | | 22 |

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| 37 | Hyperspectral unmixing algorithm via dependent component analysis. , 2007, , . | | 47 |
| 38 | Blind hyperspectral unmixing. Proceedings of SPIE, 2007, , . | 0.8 | 2 |
| 39 | Vertex Component Analysis. , 2007, , 149-173. | | 1 |
| 40 | Estimation of signal subspace on hyperspectral data. , 2005, , . | | 36 |
| 41 | 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 |
| 42 | 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 |
| 43 | Signal Subspace Identification in Hyperspectral Linear Mixtures. Lecture Notes in Computer Science, 2005, , 207-214. | 1.3 | 7 |
| 44 | Fast unsupervised extraction of endmembers spectra from hyperspectral data. Proceedings of SPIE, 2004, 5239, 314. | 0.8 | 1 |
| 45 | Independent component analysis applied to unmixing hyperspectral data. , 2004, , . | | 5 |
| 46 | Does Independent Component Analysis Play a~Role in Unmixing Hyperspectral Data?. Lecture Notes in Computer Science, 2003, , 616-625. | 1.3 | 6 |
| 47 | Unmixing Hyperspectral Data: Independent and Dependent Component Analysis. , 0, , 149-177. | | 3 |