

Últimas Publicaciones

- **2018**

[Sanz-Estébanez, S., I. Rabanillo-Viloria, J. Royuela-del-Val, S. Aja-Fernández, and C. Alberola-Lopez, "Joint Groupwise Registration and ADC Estimation in the Liver using a B-Value Weighted Metric", *Magnetic Resonance Imaging*, vol. 46, pp. 1-8, 2018.](#)

- **2017**

[Leal-Campanario, R., L. Alarcon-Martinez, H. Rieiro, S. Martinez-Conde, T. Alarcon-Martinez, X. Zhao, J. LaMee, P.J. Popp, M.E. Calhoun, J. I. Arribas, et al., "Abnormal Capillary Vasodynamics Contribute to Ictal Neurodegeneration in Epilepsy", *Scientific Reports*, vol. 7, 2017.](#)

[Sanz-Estébanez, S., J. Royuela-del-Val, J. Broncano-Cabrero, S. Aja-Fernández, and C. Alberola-Lopez, "ADC-Weighted Joint Registration-Estimation for Cardiac Diffusion Magnetic Resonance Imaging", *Congreso Anual de la Sociedad Española de Ingeniería Biomédica*, 12/2017.](#)

[Peña-Nogales, Ó., D. Hernando, S. Aja-Fernández, and R. de Luis-Garcia, "Determination of the optimal set of b-values for ADC mapping under a Rician noise assumption", *International Society of Magnetic Resonance in Medicine 25th Annual Meeting and Exhibition*, Honolulu, HI, USA, pp. 3341, 2017.](#)

[Aja-Fernández, S., Ó. Peña-Nogales, and R. de Luis-García, "Effect of sampling on the estimation of the apparent coefficient of diffusion in MRI", *ICASSP 2017*, New Orleans, LA, IEEE signal processing Society, 2017.](#)

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[Sanz-Estébanez, S., Ó. Peña-Nogales, R. de Luis-García, S. Aja-Fernández, and C. Alberola-Lopez, "Groupwise Non-Rigid Registration on Multiparametric Abdominal DWI Acquisitions for Robust ADC Estimation: Comparison with Pairwise Approaches and Different Multimodal Metrics", *International Symposium on Biomedical Imaging: From Nano to Macro \(ISBI2017\)*, Melbourne, Australia, 2017.](#)

[Zhang, Y., Ó. Peña-Nogales, J. H. Holmes, and D. Hernando, "Monte-Carlo Analysis of Quantitative Diffusion Measurements Using Motion-Compensated Diffusion Weighting Waveforms", *International Society of Magnetic Resonance in Medicine 25th Annual Meeting and Exhibition*, Honolulu, HI, USA, pp. 1733, 2017.](#)

[Peña-Nogales, Ó., R. de Luis-Garcia, S. Aja-Fernández, Y. Zhang, J. H. Holmes, and D. Hernando, "Optimal design of motion-compensated diffusion gradient waveforms", *International Society of Magnetic Resonance in Medicine 25th Annual Meeting and Exhibition*, Honolulu, HI, USA, pp. 3340, 2017.](#)

- **2016**

[Sanz-Estébanez, S., J. Royuela-del-Val, S. Merino-Caviedes, A. Revilla-Orodea, T. Sevilla-Ruiz, M. Martin-Fernandez, and C. Alberola-Lopez, "An Automated Tensorial](#)

[Classification Procedure for Left Ventricular Hypertrophic Cardiomyopathy](#)", *IWBIO 2016 (4th International Work-Conference on Bioinformatics and Biomedical Engineering)*, LNBI 9656, vol. 1, Granada, Spain, pp. 1-12, 2016.

[Royuela-del-Val, J., M. Martin-Fernandez, F. Simmross-Wattenberg, and C. Alberola-Lopez, "Cardio-respiratory motion estimation for compressed sensing reconstruction of free-breathing 2D cine MRI"](#), *Modulated/Incomplete Data 2016, SFB Workshop.*, Graz, Austria, Mathematical Optimization and Applications in Biomedical Sciences (MOBIS), SFB Research Center, 2016.

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[Aja-Fernández, S., and G. Vegas-Sanchez-Ferrero, *Statistical Analysis of Noise in MRI. Modeling, Filtering and Estimation*, , Switzerland, Springer International Publishing, pp. 327, 2016.](#)

[San-Jose-Revuelta, L. Miguel, and J. I. Arribas, "Three Natural Computation methods for joint channel estimation and symbol detection in multiuser communications", *Applied Soft Computing*, vol. 49, pp. 561 - 569, 2016.](#)

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