



MILLENNIUM NUCLEUS IN CARDIOVASCULAR MAGNETIC RESONANCE

2019 - PUBLICATIONS IN JOURNALS

N°	TITLE	AUTHORS	SOURCE	LINK	DATE
1	Intrahepatic fatty acids composition as a biomarker of NAFLD progression from steatosis to NASH by using 1H-MRS.	Aline Xavier, Flavia Zacconi, Constanza Gainza, Daniel Cabrera, Marco Arrese, Sergio Uribe, Carlos Sing-Long, Marcelo E. Andia.	RSC Advances.	https://doi.org/10.1039/C9RA08914D	19.12.2019
2	Low and Oscillatory Wall Shear Stress Is Not Related to Aortic Dilatation in Patients With Bicuspid Aortic Valve.	Lydia Dux-Santoy, Andrea Guala, Julio Sotelo, Sergio Uribe, Gisela Teixidó-Turà, Aroa Ruiz-Muñoz, Daniel E. Hurtado, Filipa Valente, Laura Galian-Gay, Laura Gutiérrez, Teresa González-Alujas, Kevin M. Johnson, Oliver Wieben, Ignacio Ferreira, Arturo Evangelista, José F. Rodríguez-Palomares.	Arteriosclerosis, Thrombosis, and Vascular Biology.	https://doi.org/10.1161/ATVBAHA.119.313636	05.12.2019
3	Multi-fidelity classification using Gaussian processes: Accelerating the prediction of large-scale computational models.	F. Sahli, P. Perdikaris, E. Kuhl, D. E. Hurtado.	Computer Methods in Applied Mechanics and Engineering.	https://doi.org/10.1016/j.cma.2019.112602	01.12.2019
4	False lumen ejection fraction predicts growth in type B aortic dissection: preliminary results.	Nicholas S Burris, David Nordsletten, Julio Sotelo, Ross Grogan-Kaylor, Ignas B Houben, C Alberto Figueroa, Sergio Andres Uribe, Himanshu Patel.	European journal of cardio-thoracic surgery: official journal of the European Association for Cardio- thoracic Surgery.	https://www.researchgate.net/publication/337899429_False_lumen_ejection_fraction_predicts_growth_in_type_B_aortic_dissection_preliminary_results	01.12.2019
5	On the Role of Ionic Modeling on the Signature of Cardiac Arrhythmias for Healthy and Diseased Hearts.	Ramírez, W. A., Gizzi, A., Sack, K. L., Filippi, S., Guccione, J. M., & Hurtado, D. E.	Mathematics	https://doi.org/10.3390/math8122242	01.12.2019

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6	Automatic quantification of fat infiltration in paraspinal muscles using T2-weighted images: An OsiriX application.	C. Arrieta, J. Urrutia, P. Besa, C. Montalba, N. Lafont, M. E. Andia, S. Uribe.	Biomedical Signal Processing and Control.	https://doi.org/10.1016/j.bspc.2019.101793	30.11.2019
7	Mapping regional strain in anaesthetised healthy subjects during spontaneous ventilation.	P. Cruces, B. Erranz, F. Lillo, M. Sarabia, P. Iturrieta, F. Morales, K. Blaha, T. Medina, F. Diaz, D. E. Hurtado.	BMJ Open Respiratory Research.	http://dx.doi.org/10.1136/bmjresp-2019-000423	28.10.2019
8	Pediatric heterozygous familial hypercholesterolemia patients have locally increased aortic pulse wave velocity and wall thickness at the aortic root.	Andrew Tran, Barbara Burkhardt, Animesh Tandon, Sarah Blumenschein, Arna van Engelen, Marina Cecelja, Song Zhang, Sergio Uribe, Joaquin Mura, Gerald Greil, Tarique Hussain.	The International Journal of Cardiovascular Imaging.	https://pubmed.ncbi.nlm.nih.gov/31209684/	01.10.2019
9	Red Wine Grape Pomace Attenuates Atherosclerosis and Myocardial Damage and Increases Survival in Association with Improved Plasma Antioxidant Activity in a Murine Model of Lethal Ischemic Heart Disease.	Katherine Rivera, Francisca Salas- Pérez, Guadalupe Echeverría, Inés Urquiaga, Sara Dicenta, Druso Pérez, Paula de la Cerda, Leticia González, Marcelo E Andia, Sergio Uribe, Cristián Tejos, Gonzalo Martínez, Dolores Busso, Pablo Irarrázaval, Attilio Rigotti.	Nutrients	https://doi.org/10.3390/nu11092135	06.09.2019
10	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group.	Liang Zhong, Eric Schrauben, Julio Garcia Flores, Sergio Uribe, Stuart Grieve, Mohammed Elbaz, Alex Barker, Julia Geiger, Sarah Nordmeyer, Alison Marsden, Marcus Carlsson, Ru-San Tan, Pankaj Garg, Jos Westenberg, Michael Markl, Tino Ebbers.	Journal of Magnetic Resonance Imaging.	https://pubmed.ncbi.nlm.nih.gov/31317587/	01.09.2019
11	Noise estimation for the velocity in MRI phase-contrast.	Pablo Irarrázaval, Ali Dehghan Firoozabadi, Sergio Uribe, Cristián Tejos, Carlos Sing-Long.	Magnetic Resonance Imaging.	https://doi.org/10.1016/j.mri.2019.08.028	23.08.2019

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12	Impact of b-Value Sampling Scheme on Brain IVIM Parameter Estimation in Healthy Subjects.	Stéren Chabert, Jorge Verdu, Gamaliel Huerta, Cristian Montalba, Pablo Cox, Rodrigo Riveros, Sergio Uribe, Rodrigo Salas, Alejandro Velozo.	Magnetic Resonance in Medical Sciences.	https://doi.org/10.2463/mrms.mp.2019-0061	06.08.2019
13	Quantification of liver fat infiltration by magnetic resonance.	Rodrigo Herrera, Francisco Penaloza, Cristobal Arrieta, Flavia Zacconi, Victor Saavedra, Carla Saavedra, Cecilia Branes, Thomas Hack, Sergio Uribe.	Revista Médica de Chile.	https://doi.org/10.4067/S0034-98872019000700821	01.07.2019
14	Comparison of q-Space Reconstruction Methods for Undersampled Diffusion Spectrum Imaging Data.	Gabriel E. Varela-Mattatall, Alexandra Koch, Rüdiger Stirnberg, Steren Chabert, Sergio Uribe, Cristian Tejos, Tony Stöcker, Pablo Irarrazaval.	Magnetic Resonance in Medical Sciences.	https://doi.org/10.2463/mrms.mp.2019-0015	10.05.2019
15	Optimal Dual-VENC Unwrapping in Phase-Contrast MRI.	Carrillo, Hugo; Osses, Axel; Uribe, Sergio; Bertoglio, Cristobal.	IEEE Transactions on Medical Imaging.	https://doi.org/10.1109/TMI.2018.2882553	01.05.2019