BIOMEDICAL IMAGING CENTER

2020 - Articles in Scientific Journals

N°	Title	Authors	Source	Link	Publication date
1	Honeybee Pollen Extracts Reduce Oxidative Stress and Steatosis in Hepatic Cells.	Juan Esteban Oyarzún, Marcelo E. Andia, Sergio Uribe, Paula Núñez Pizarro, Gabriel Núñez, Gloria Montenegro, Raquel Bridi.	Molecules 2021-Ryszard Amarowicz and Adriano Costa de Camargo.	https://doi.org/10.3390/molecules26010006	22-12-2020
2	Respiratory volume monitoring: A machine-learning approach to the non-invasive prediction of tidal volume and minute ventilation.	Daniel E. Hurtado, Javier A.P. Chávez, Roberto Mansilla, Roberto Lopez, Angel Abusleme.	IEEE Access.	https://doi.org/10.1109/ACCESS.2020.3045603	17-12-2020
3	Lipschitz stability for Backward Heat Equation with application to Fluorescence Microscopy.	Pablo Arratia, Matias Courdurier, Evelyn Cueva, Axel Osses, Benjamin Palacios.	arXiv.	https://arxiv.org/abs/2012.02002	03-12-2020
4	Preparación de los colegios y profesores de educación física en prevención de muerte súbita y soporte vital básico.	Stephanie Acevedo, Guiliana Córdova, Cristián Clavería, Guillermo Larios.	Revista Chilena de Cardiología.	https://scielo.conicyt.cl/scielo.php?pid=S0718-85602020000300229&script=sci_arttext	01-12-2020
5	Upscaling the poroelastic behavior of the lung parenchyma: A finite-deformation micromechanical model.	Felipe Concha, Daniel E Hurtado.	Journal of the Mechanics and Physics of Solids.	https://doi.org/10.1016/j.jmps.2020.104147	01-12-2020
6	Single-cell biophysical study reveals deformability and internal ordering relationship in T cells.	González-Bermúdez, Blanca; Kobayashi, Hikaru; Navarrete, Álvaro; Nyblad, César; González-Sánchez, Mónica; de la Fuente, Mónica; Fuentes, Gonzalo; Guinea, Gustavo V.; García, Claudio; Plaza, Gustavo R.	Soft Matter.	https://doi.org/10.1039/D0SM00648C	01-12-2020
7	Thermal Characterization of Pinus radiata Wood Vacuum-Impregnated with Octadecane.	Fuentes-Sepúlveda, R.; Garcia-Herrera, Claudio M.; Vasco, Diego; Salinas-Lira, Carlos; Ananías, Rubén.	Energies.	https://doi.org/10.3390/en13040942	01-12-2020
8	Visualizing the invisible: The effect of asymptomatic transmission on the outbreak dynamics of COVID-19.	M. Peirlinck, K. Linka, F. Sahli, E. Bendavid, J. Bhattacharya, J. Ioannidis, E. Kuhl.	Computer Methods in Applied Mechanics and Engineering	https://doi.org/10.1016/j.cma.2020.113410	01-12-2020
9	A decision-making tool to fine-tune abnormal levels in the complete blood count tests.	M Avalos, H touchais, M Henríquez-Henríquez.	arXiv.	https://arxiv.org/abs/2011.05900	24-11-2020
10	Inspecting state of the art performance and NLP metrics in image-based medical report generation.	Pablo Pino, Denis Parra, Pablo Messina, Cecilia Besa, Sergio Uribe.	arXiv.	https://arxiv.org/abs/2011.09257	21-11-2020
11	Effects of mindfulness-based stress reduction on psychological distress in health workers: A three-arm parallel randomized controlled trial.	A Errazuriz, K Schmidt, E Undurraga, S Madeiros, R Baudrand, D Cussen, M Henríquez, P Celhay, R Figueroa.	Journal of Psychiatric Research.	https://doi.org/10.1016/j.jpsychires.2020.11.011	06-11-2020
12	Management of Multisystem Inflammatory Syndrome in Children Associated With COVID-19: A Survey From the International Kawasaki Disease Registry.	Matthew D. Elias, Brian W. McCrindle, Guillermo Larios, et al.	CJC Open.	https://doi.org/10.1016/j.cjco.2020.09.004	01-11-2020
13	Regional distribution of static lung strain induced by positive-end expiratory pressure (PEEP) in healthy, dorsally recumbent, anesthetized and mechanically ventilated dogs.	J Araos, T Boullhesen-Williams, A Perez, J Retamal, M Martin-Flores, R Gleed, F Staffieri, D Hurtado.	Veterinary Anaesthesia and Analgesia.	https://doi.org/10.1016/j.vaa.2020.07.004	01-11-2020
14	A Survey on Deep Learning and Explainability for Automatic Image-based Medical Report Generation.	Pablo Messina, Pablo Pino, Denis Parra, Alvaro Soto, Cecilia Besa, Sergio Uribe, Marcelo Andía, Cristian Tejos, Claudia Prieto, Daniel Capurro.	arXiv.	https://arxiv.org/abs/2010.10563	20-10-2020
15	Simultaneous Sound Source Localization by Proposed Cuboids Nested Microphone Array Based on Subband Generalized Eigenvalue Decomposition.	Ali Dehghan Firoozabadi, Pablo Irarrazaval, Pablo Adasme, Hugo Durney, Miguel Sanhueza Olave, David Zabala-Blanco, Cesar Azurdia-Meza.	Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2020. AISI 2020. Advances in Intelligent Systems and Computing.	https://doi.org/10.1007/978-3-030-58669-0_72	19-10-2020
16	Mid-term follow-up of balloon pulmonary angioplasty for inoperable chronic thromboembolic pulmonary hypertension: An experience in Latin America.	Pablo Sepúlveda, René Hameau, Christian Backhouse, Gustavo Charme, Francisco Pacheco, Pablo A. Ramírez, Alberto J. Fuensalida, Jorge Quitral, Gonzalo Martínez, José A. Martínez.	Catheterization and Cardiovascular Interventions.	https://doi.org/10.1002/ccd.29322	15-10-2020
17	Analytical and Clinical Validation for RT-qPCR Detection of SARS-CoV-2 Without RNA Extraction.	Miranda JP, Osorio J, Videla M, Angel G, Camponovo R and Henríquez-Henríquez M.	Frontiers in Medicine.	https://doi.org/10.3389/fmed.2020.567572	15-10-2020
18	[Recommendation for the recognition, management and follow up of cardiovascular compromise in patients with Pediatric Multisystemic Inflammatory Syndrome associated with COVID-19 (PIMS-CT). Position statement of Chilean Scientific Societies].	Patricia Álvarez Z., Guillermo Larios G., Lida Toro R., Valeria Acevedo A., Francisca Arancibia G., Luis Cárdenas M., Carlos Fernández C.	Revista chilena de pediatría.	https://doi.org/10.32641/rchped.vi91i6.3215	08-10-2020
19	MAPL1: q-space reconstruction using l1-regularized mean apparent propagator.	Gabriel Varela-Mattatall, Carlos Castillo-Passi, Alexandra Koch, Joaquin Mura, Rüdiger Stirnberg, Sergio Uribe, Cristian Tejos, Tony Stöcker, Pablo Irarrazaval.	Magnetic Resonance in Medicine.	https://doi.org/10.1002/mrm.28268	01-10-2020
20	Social cognition in Multiple Sclerosis is associated to changes in brain connectivity: A resting-state fMRI study.	Tomas P Labbe, Mariana Zurita, Cristian Montalba, Ethel L Ciampi, Juan P Cruz, Macarena Vasquez, Sergio Uribe, Nicolás Crossley, Claudia Cárcamo.	Multiple Sclerosis and Related Disorders.	https://doi.org/10.1016/j.msard.2020.102333	01-10-2020

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21	Estimation of changes in cyclic lung strain by electrical impedance tomography: Proof-of-concept study.	Rodrigo Cornejo Rosas, Pablo Iturrieta, Tayran MM Olegário, Carolina Kajiyama, Daniel Arellano Sepúlveda, Dannette Guiñez, María Cerda Jana, Roberto Brito, Abraham Gajardo Cortez, Marioli Lazo, Lorena López, Caio CA Morais, Sedric González, Miguel Zavala, Verónica Rojas Jara, Juan Medel Fernández, Daniel E Hurtado, Alejandro Bruhn, Cristóbal Ramos Gómez, Nivia Estuardo Agurto.	Acta Anaesthesiologica Scandinavica.	https://doi.org/10.1111/aas.13723	01-10-2020
22	Transitions between human functional brain networks reveal complex, cost-efficient and behaviorally-relevant temporal paths.	Juan P. Ramirez-Mahaluf, Vicente Medel, ÁngelesTepper, Luz Maria Alliende, Joao R.Sato, Tomas Ossandon, Nicolas A.Crossley.	Neuroimage.	https://doi.org/10.1016/j.neuroimage.2020.117027	01-10-2020
23	A Multi-channel Speech Enhancement Method Based on Subband Affine Projection Algorithm in Combination with Proposed Circular Nested Microphone Array.	Ali Dehghan Firoozabadi, Pablo Irarrazaval, Pablo Adasme, Hugo Durney, Miguel Sanhueza Olave, David Zabala-Blanco, Cesar Azurdia-Meza.	Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2020. AISI 2020. Advances in Intelligent Systems and Computing.	https://doi.org/10.1007/978-3-030-58669-0_41	20-09-2020
24	Sustained Focal Vascular Inflammation Accelerates Atherosclerosis in Remote Arteries.	Begoña Lavin Plaza, Alkystis Phinikaridou, Marcelo E. Andia, Myles Potter, Silvia Lorrio, Imran Rashid, Rene M. Botnar.	Arteriosclerosis, Thrombosis, and Vascular Biology.	https://doi.org/10.1161/ATVBAHA.120.314387	01-09-2020
25	LGI1-antibody associated epilepsy successfully treated in the outpatient setting.	R Uribe-San-Martin, E Ciampi, R Santibañez, SR Irani, A Márquez, JP Cruz, B Soler, MC Miranda, M Henríquez, C Cárcamo.	Journal of Neuroimmunology.	https://doi.org/10.1016/j.jneuroim.2020.577268	15-08-2020
26	A physiological approach to understand the role of respiratory effort in the progression of lung injury in SARS-CoV-2 infection.	Pablo Cruces, Jaime Retamal, Daniel E Hurtado, Benjamín Erranz, Pablo Iturrieta, Carlos González, Franco Diaz.	Critical Care.	https://doi.org/10.1186/s13054-020-03197-7	10-08-2020
27	Progression of regional lung strain and heterogeneity in lung injury: assessing the evolution under spontaneous breathing and mechanical ventilation.	Daniel E Hurtado, Benjamin Erranz, Felipe Lillo, Mauricio Sarabia-Vallejos, Pablo Iturrieta, Felipe Morales, Katherine Blaha, Tania Medina, Franco Diaz, Pablo Cruces.	Annals of Intensive Care.	https://doi.org/10.1186/s13613-020-00725-0	06-08-2020
28	Impact of b-Value Sampling Scheme on Brain IVIM Parameter Estimation in Healthy Subjects.	Chabert S, Verdu J, Huerta G, Montalba C, Cox P, Riveros R, Uribe S, Salas R, Veloz A.	Magnetic Resonance in Medical Sciences.	https://doi.org/10.2463/mrms.mp.2019-0061	03-08-2020
29	Comparison of parameter optimization methods for quantitative susceptibility mapping.	Carlos Milovic, Claudia Prieto, Berkin Bilgic, Sergio Uribe, Julio Acosta-Cabronero, Pablo Irarrazaval, Cristian Tejos.	Magnetic Resonance in Medicine.	https://doi.org/10.1002/mrm.28435	01-08-2020
30	Manufacturing of Ultrasound-and MRI-Compatible Aortic Valves Using 3D Printing for Analysis and Simulation.	Joao Filipe Fernandes, Yohan Noh, Sergio Uribe, Jesus Urbina, Julio Sotelo, Ronak Rajani, Pablo Lamata, Kawal Rhode.	Statistical Atlases and Computational Models of the Heart. Multi-Sequence CMR Segmentation, CRT-EPiggy and LV Full Quantification Challenges: 10th International Workshop, STACOM 2019, Held in Conjunction with MICCAI 2019, Shenzhen, China, October 13, 2019, Revised Selected Papers.	https://books.google.cl/books?hl=en&lr=&id=rcTLDwAAQBAJ&oi=fnd&pg=PA12&dq=info:Y4ZN8IzPu1EJ:scholar.google.com&ots=BvenZwfwgm&sig=GkCN7xyO1ieOy7t1J0-8MiLCwJI&redir_esc=y#v=onepage&q&f=false	01-08-2020
31	Outbreak dynamics of COVID-19 in Europe and the effect of travel restrictions.	K. Linka, M. Peirlinck, F. Sahli, E. Kuhl.	Computer Methods in Biomechanics and Biomedical Engineering.	https://doi.org/10.1080/10255842.2020.1759560.	01-08-2020
32	In-silico study of the cardiac arrhythmogenic potential of biomaterial injection therapy.	Ramírez, W. A., Gizzi, A., Sack, K. L., Guccione, J. M., & Hurtado, D. E.	Scientific Reports.	https://doi.org/10.1038/s41598-020-69900-4	31-07-2020
33	DeepSPIO: Super Paramagnetic Iron Oxide Particle Quantification using Deep Learning in Magnetic Resonance Imaging.	Gabriel Della Maggiora, Carlos Castillo-Passi, Wenqi Qiu, Shuang Liu, Carlos Milovic, Masaki Sekino, Cristian Tejos, Sergio Uribe, Pablo Irarrazaval.	IEEE Transactions on Pattern Analysis and Machine Intelligence.	https://doi.org/10.1109/TPAMI.2020.3012103	27-07-2020
34	Mutations in sphingolipid metabolism genes are associated with ADHD.	Henríquez-Henríquez M, Acosta MT, Martinez A, Lopera F, Pineda D, Palacio J, et al.	Translational Psychiatry.	https://doi.org/10.1038/s41398-020-00881-8.	13-07-2020
35	MRI radiomics features predict immuno-oncological characteristics of hepatocellular carcinoma.	Hectors SJ, Lewis S, Besa C, King MJ, Said D, Putra J, Ward S, Higashi T, Thung S, Yao S, Laface I, Schwartz M, Gnjatic S, Merad M, Hoshida Y, Taouli B.	European Radiology.	https://doi.org/10.1007/s00330-020-06675-2	01-07-2020
36	Mathematical modeling for 2D light-sheet fluorescence microscopy image reconstruction.	Evelyn Cueva, Matias Courdurier, Axel Osses, Victor Castañeda, Benjamin Palacios and Steffen Härtel.	Inverse Problems.	https://doi.org/10.1088/1361-6420/ab80d8	15-06-2020
37	Metabolite cycled liver 1H MRS on a 7 T parallel transmit system.	Aline Xavier, Catalina Arteaga de Castro, Marcelo E Andia, Peter R Luijten, Dennis W Klomp, Ariane Fillmer, Jeanine J Prompers.	NMR in Biomedicine.	https://doi.org/10.1002/nbm.4343	08-06-2020
38	Multiresolution speech enhancement based on proposed circular nested microphone array in combination with sub-band affine projection algorithm.	Ali Dehghan Firoozabadi, Pablo Irarrazaval, Pablo Adasme, David Zabala-Blanco, Hugo Durney, Miguel Sanhueza, Pablo Palacios-Játiva, Cesar Azurdia-Meza.	Applied Sciences.	https://doi.org/10.3390/app10113955	06-06-2020
39	HDL Receptor SR-B1 Deficiency Increased Inflammatory Dyslipidemia and Adipocyte Hypertrophy and Attenuated the Hepatic Steatosis in Murine Diet-Induced Obesity.	Katherine Rivera, Veronica Quiñones, Aline Xavier, Ludwig Amigo, Marta Fernández-Galilea, Gonzalo Carrasco, Daniel Cabrera, Marco Arrese, Dolores Busso, Marcelo Andia, Attilio Rigotti.	Current Developments in Nutrition.	https://doi.org/10.1093/cdn/nzaa063_074	01-06-2020
40	3D Multiple Sound Source Localization by Proposed Cuboids Nested Microphone Array in Combination with Adaptive Wavelet-Based Subband GEVD.	Ali Dehghan Firoozabadi, Pablo Irarrazaval, Pablo Adasme, David Zabala-Blanco, Pablo Palacios-Játiva, Cesar Azurdia-Meza.	Electronics.	https://doi.org/10.3390/electronics9050867	23-05-2020

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41	Multi-parametric liver tissue characterization using MR fingerprinting: Simultaneous T1, T2, T2*, and fat fraction mapping.	Olivier Jaubert, Cristobal Arrieta, Gastão Cruz, Aurélien Bustin, Torben Schneider, Georgios Georgiopoulos, Pier-Giorgio Masci, Carlos Sing-Long, Rene M Botnar, Claudia Prieto.	Magnetic Resonance in Medicine.	https://doi.org/10.1002/mrm.28311	13-05-2020
42	Rapid data-driven model reduction of nonlinear dynamical systems including chemical reaction networks using ℓ1-regularization.	Q Yang, CA Sing-Long, EJ Reed.	Chaos: An Interdisciplinary Journal of Nonlinear Science.	https://doi.org/10.1063/1.5139463	11-05-2020
43	A Thyroid Genetic Classifier Correctly Predicts Benign Nodules with Indeterminate Cytology: Two Independent, Multicenter, Prospective Validation Trials.	Mark Zafereo, Bryan McIver, Sergio Vargas-Salas, José Miguel Domínguez, David L. Steward, F. Christopher Holsinger, Emad Kandil, Michelle Williams, Francisco Cruz, Soledad Loyola, Antonieta Solar, Juan Carlos Roa, Augusto León, Nicolás Droppelman, Maite Lobos, Tatiana Arias, Christina S. Kong, Naifa Busaidy, Elizabeth G. Grubbs, Paul Graham, John Stewart, Alice Tang, Jiang Wang, Lisa Orloff, Marcela Henríquez, et al.	Thyroid.	https://doi.org/10.1089/thy.2019.0490	07-05-2020
44	False lumen ejection fraction predicts growth in type B aortic dissection: preliminary results.	Nicholas S Burris, David A Nordsletten, Julio A Sotelo, Ross Grogan-Kaylor, Ignas B Houben, C Alberto Figueroa, Sergio Uribe, Himanshu J Patel.	European Journal of Cardio-Thoracic Surgery.	https://doi.org/10.1093/ejcts/ezz343	01-05-2020
45	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	01-05-2020
46	A MicroRNA Signature in Acute Coronary Syndrome Patients and Modulation by Colchicine.	Jennifer Y. Barraclough, Mugdha V. Joglekar, Andrzej S. Januszewski, Gonzalo Martínez, David S. Celermajer, Anthony C. Keech, Anandwardhan A. Hardikar, Sanjay Patel.	Journal of Cardiovascular Pharmacology and Therapeutics.	https://doi.org/10.1177/1074248420922793	01-05-2020
47	Evaluation of localization precision by proposed quasi-spherical nested microphone array in combination with multiresolution adaptive steered response power.	Ali Dehghan Firoozabadi, Pablo Irarrazaval, Pablo Adasme, David Zabala-Blanco, Cesar A Azurdia-Meza.	Journal of Electrical Engineering.	https://doi.org/10.2478/jee-2020–0022	01-05-2020
48	Outbreak dynamics of COVID-19 in China and the United States.	M. Peirlinck, K. Linka, F. Sahli, E. Kuhl.	Biomechanics and Modeling in Mechanobiology.	https://doi.org/10.1007/s10237-020-01332-5	27-04-2020
49	Response by Dux-Santoy et al to Letter Regarding Article, "Low and Oscillatory Wall Shear Stress Is Not Related to Aortic Dilation in Patients With Bicuspid Aortic Valve: A Time-Resolved 3-Dimensional Phase-Contrast Magnetic Resonance Imaging Study".	Lydia Dux-Santoy, Andrea Guala, Julio Sotelo, Sergio Uribe, Gisela Teixidó-Turà, Arturo Evangelista, José F Rodríguez-Palomares.	Arteriosclerosis, Thrombosis, and Vascular Biology.	https://doi.org/10.1161/ATVBAHA.120.314057	01-04-2020
50	Structural brain abnormalities in schizophrenia in adverse environments: examining the effect of poverty and violence in six Latin American cities. (First data paper of the Latin American Network ANDES).	Crossley NA et al.	Schizophrenia Bulletin.	http://apps.webofknowledge.com.pucdechile.idm.oclc.org/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=7CeOeqBWhc4UhBoc7kF&page=1&doc=1	01-04-2020
51	Open Surgery for Ruptured Abdominal Aortic Aneurysm e 38 Years Experience at an Academic Center in Chile.	Marine L, Valdes F, Mertens R, Kramer A, Vargas F, Bergoeing M, Torrealba JI, Urbina J.	Annals of Vascular Surgery.	https://doi.org/10.1016/j.avsg.2019.09.034.	01-04-2020
52	Non-invasive continuous respiratory monitoring using temperature-based sensors.	Daniel E Hurtado, Angel Abusleme, Javier AP Chávez.	Journal of Clinical Monitoring and Computing.	https://doi.org/10.1007/s10877-019-00329-5	01-04-2020
53	Tropoelastin: an in vivo imaging marker of dysfunctional matrix turnover during abdominal aortic dilation.	Begoña Lavin, Sara Lacerda, Marcelo E Andia, Silvia Lorrio, Robert Bakewell, Alberto Smith, Imran Rashid, René M Botnar, Alkystis Phinikaridou.	Cardiovascular Research.	https://doi.org/10.1093/cvr/cvz178	01-04-2020
54	3D printed valve models replicate in vivo bicuspid aortic valve peak pressure drops.	Harminder Gill, Joao F. Fernandes, Malenka Bissell, Shu Wang, Julio Sotelo, Jesus Urbina, Sergio Uribe, David Nordsletten, Saul Myerson, Kawal Rhode, Ronak Rajani, and Pablo Lamata.	Journal of the American College of Cardiology.	https://www.jacc.org/doi/pdf/10.1016/S0735-1097%2820%2932263-4	24-03-2020
55	Classifying drugs by their arrhythmogenic risk using machine learning.	F. Sahli, K. Seo, E. Ashley, E. Kuhl.	Biophysical Journal.	https://doi.org/10.1016/j.bpj.2020.01.012	10-03-2020
56	An analytical solution to the dispersion-by-inversion problem in magnetic resonance elastography.	Joaquin Mura, Felix Schrank, Ingolf Sack.	Magnetic Resonance Imaging.	https://doi.org/10.1002/mrm.28247	06-03-2020
57	El aire que respiramos: pasado, presente y futuro - Contaminación atmosférica por MP2,5 en el centro y sur de Chile.	Nicolás Huneeus, Nicolás Alamos, Kevin Basoa, Juan Pablo Boisier, Rubén Calvo, Luis Gómez, Mariel Opazo, Raúl O'Ryan, Mauricio Osses, Axel Osses, Sebastián Tolvett.	Centro de Ciencia del Clima y la Resiliencia, CR2.	http://www.cr2.cl/wp-content/uploads/2020/09/Informe_Contaminacion_Espanol_2020.pdf	02-03-2020
58	Automatic quantification of fat infiltration in paraspinal muscles using T2-weighted images: An OsiriX application.	Cristobal Arrieta, Julio Urrutia, Pablo Besa, Cristian Montalba, Nelson Lafont, Marcelo E Andia, Sergio Uribe.	Biomedical Signal Processing and Control.	https://doi.org/10.1016/j.bspc.2019.101793	01-03-2020
59	Physics-Informed Neural Networks for Cardiac Activation Mapping.	Sahli Costabal, F., Yang, Y., Perdikaris, P., Hurtado, D. E., & Kuhl, E.	Frontiers in Physics.	https://doi.org/10.3389/fphy.2020.00042	28-02-2020
60	Energy loss and turbulent formations reveal the pressure loss in coarctation flows: A novel 4D Flow MRI-Based quantification method using a finite element approach.	Julio Sotelo, Jesús Urbina, Cristian Montalba, Israel Valverde, Cristian Tejos, Pablo Irarrazaval, Marcelo Andia, Daniel E Hurtado, Sergio Uribe.	Energy.	https://www.researchgate.net/profile/Julio-Sotelo-2/publication/304049406	27-02-2020
61	Non-ohmic tissue conduction in cardiac electrophysiology: Upscaling the non-linear voltage-dependent conductance of gap junctions.	Hurtado, D. E., Jilberto, J., & Panasenko, G.	PLoS Computational Biology.	https://doi.org/10.1371/journal.pcbi.1007232	25-02-2020
62	The 2016 QSM Challenge: Lessons learned and considerations for a future challenge design.	Carlos Milovic, Cristian Tejos, Julio Acosta-Cabronero, Pinar Senay Özbay, Ferdinand Schwesser, Jose Pedro Marques, Pablo Irarrazaval, Berkin Bilgic, Christian Langkammer.	Magnetic Resonance in Medicine.	https://doi.org/10.1002/mrm.28185	21-02-2020

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63	Hepatocellular carcinoma detection in liver cirrhosis: diagnostic performance of contrast-enhanced CT vs. MRI with extracellular contrast vs. gadoxetic acid.	Semaan S, Vietti Violi N, Lewis S, Chatterji M, Song C, Besa C, Babb JS, Fiel MI, Schwartz M, Thung S, Sirlin CB, Taouli B.	European Radiology.	https://doi.org/10.1007/s00330-019-06458-4	03-02-2020
64	PET Reconstruction with Non-Negativity Constraint in Projection Space: Optimization through Hypo-Convergence.	Bousse A.; Courdurier M.; Emond E.; Thielemans K.; Hutton B.F.; Irarrazaval P.; Visvikis D.	IEEE Transactions On Medical Imaging.	https://doi.org/10.1109/TMI.2019.2920109	31-01-2020
65	A novel method for estimating the number of speakers based on generalized eigenvalue–vector decomposition and adaptive wavelet transform by using K-means clustering.	Ali Dehghan Firoozabadi, Pablo Irarrazaval, Pablo Adasme, David Zabala-Blanco, Cesar Azurdia-Meza.	Signal, Image and Video Processing.	https://doi.org/10.1007/s11760-020-01634-2	30-01-2020
66	Low and Oscillatory Wall Shear Stress Is Not Related to Aortic Dilation in Patients With Bicuspid Aortic Valve: A Time-Resolved 3-Dimensional Phase-Contrast Magnetic Resonance Imaging Study.	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	01-01-2020
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