

Marcelo E Andia

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

1,050
citations

19
h-index

30
g-index

68
ext. papers

1,250
ext. citations

5.7
avg, IF

4.02
L-index

#	Paper	IF	Citations
59	Noninvasive magnetic resonance imaging evaluation of endothelial permeability in murine atherosclerosis using an albumin-binding contrast agent. <i>Circulation</i> , 2012 , 126, 707-19	16.7	100
58	Geographic variation of gallbladder cancer mortality and risk factors in Chile: a population-based ecologic study. <i>International Journal of Cancer</i> , 2008 , 123, 1411-6	7.5	69
57	Magnetic resonance T1 relaxation time of venous thrombus is determined by iron processing and predicts susceptibility to lysis. <i>Circulation</i> , 2013 , 128, 729-736	16.7	64
56	Incidence and survival of stomach cancer in a high-risk population of Chile. <i>World Journal of Gastroenterology</i> , 2009 , 15, 1854-62	5.6	48
55	Fibrin-targeted magnetic resonance imaging allows in vivo quantification of thrombus fibrin content and identifies thrombi amenable for thrombolysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1193-1198	9.4	47
54	Gallbladder cancer: incidence and survival in a high-risk area of Chile. <i>International Journal of Cancer</i> , 2010 , 127, 2446-54	7.5	47
53	In vivo magnetization transfer and diffusion-weighted magnetic resonance imaging detects thrombus composition in a mouse model of deep vein thrombosis. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 433-440	3.9	40
52	Lumbar paraspinal muscle fat infiltration is independently associated with sex, age, and inter-vertebral disc degeneration in symptomatic patients. <i>Skeletal Radiology</i> , 2018 , 47, 955-961	2.7	39
51	Sensitivity analysis of geometric errors in additive manufacturing medical models. <i>Medical Engineering and Physics</i> , 2015 , 37, 328-34	2.4	35
50	3D Quantification of Wall Shear Stress and Oscillatory Shear Index Using a Finite-Element Method in 3D CINE PC-MRI Data of the Thoracic Aorta. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1475-87	11.7	32
49	Aspirin-induced histone acetylation in endothelial cells enhances synthesis of the secreted isoform of netrin-1 thus inhibiting monocyte vascular infiltration. <i>British Journal of Pharmacology</i> , 2015 , 172, 3548-64	8.6	32
48	Flow-independent 3D whole-heart vessel wall imaging using an interleaved T2-preparation acquisition. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 150-7	4.4	29
47	Vascular remodeling and plaque vulnerability in a rabbit model of atherosclerosis: comparison of delayed-enhancement MR imaging with an elastin-specific contrast agent and unenhanced black-blood MR imaging. <i>Radiology</i> , 2014 , 271, 390-9	20.5	28
46	Molecular MRI of atherosclerosis. <i>Molecules</i> , 2013 , 18, 14042-69	4.8	25
45	Noninvasive MRI monitoring of the effect of interventions on endothelial permeability in murine atherosclerosis using an albumin-binding contrast agent. <i>Journal of the American Heart Association</i> , 2013 , 2, e000402	6	24
44	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling after Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11,	3.9	24
43	Embolization of incompetent pelvic veins for the treatment of recurrent varicose veins in lower limbs and pelvic congestion syndrome. <i>CardioVascular and Interventional Radiology</i> , 2013 , 36, 128-32	2.7	22

42	Expression of stromal-cell-derived factor-1 (SDF-1): a predictor of ischaemic stroke?. <i>European Journal of Neurology</i> , 2012 , 19, 395-401	6	20
41	Using magnetic resonance phase-contrast velocity mapping for diagnosing pelvic congestion syndrome. <i>Phlebology</i> , 2011 , 26, 157-61	2	20
40	Three-dimensional quantification of vorticity and helicity from 3D cine PC-MRI using finite-element interpolations. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 541-553	4.4	19
39	Tropoelastin: A novel marker for plaque progression and instability. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11,	3.9	19
38	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. <i>Nutrients</i> , 2019 , 11,	6.7	18
37	Is a single-level measurement of paraspinal muscle fat infiltration and cross-sectional area representative of the entire lumbar spine?. <i>Skeletal Radiology</i> , 2018 , 47, 939-945	2.7	18
36	Realistic aortic phantom to study hemodynamics using MRI and cardiac catheterization in normal and aortic coarctation conditions. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 683-97	5.6	18
35	PET/CT and MR imaging biomarker of lipid-rich plaques using [64Cu]-labeled scavenger receptor (CD68-Fc). <i>International Journal of Cardiology</i> , 2014 , 177, 287-91	3.2	17
34	Simultaneous left and right ventricle segmentation using topology preserving level sets. <i>Biomedical Signal Processing and Control</i> , 2017 , 33, 88-95	4.9	16
33	Sarcopenia in a mice model of chronic liver disease: role of the ubiquitin-proteasome system and oxidative stress. <i>Pflugers Archiv European Journal of Physiology</i> , 2018 , 470, 1503-1519	4.6	16
32	Increased Vascular Permeability Measured With an Albumin-Binding Magnetic Resonance Contrast Agent Is a Surrogate Marker of Rupture-Prone Atherosclerotic Plaque. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	16
31	Positron emission tomography/computed tomographic and magnetic resonance imaging in a murine model of progressive atherosclerosis using (64)Cu-labeled glycoprotein VI-Fc. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 957-64	3.9	15
30	Variability of 4D flow parameters when subjected to changes in MRI acquisition parameters using a realistic thoracic aortic phantom. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1882-1892	4.4	14
29	Assessment of inflammation with a very small iron-oxide particle in a murine model of reperfused myocardial infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 598-608	5.6	14
28	Advances in molecular imaging of atherosclerosis and myocardial infarction: shedding new light on in vivo cardiovascular biology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 303, H1397-410	5.2	10
27	Tropoelastin: an in vivo imaging marker of dysfunctional matrix turnover during abdominal aortic dilation. <i>Cardiovascular Research</i> , 2020 , 116, 995-1005	9.9	9
26	Sulfur dioxide abatement costs and compliance with health-based standards: the case of copper smelters. <i>Resources Policy</i> , 2001 , 27, 147-155	7.2	7
25	Honeybee Pollen Extracts Reduce Oxidative Stress and Steatosis in Hepatic Cells. <i>Molecules</i> , 2020 , 26,	4.8	7

24	Sustained Focal Vascular Inflammation Accelerates Atherosclerosis in Remote Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 2159-2170	9.4	7
23	Total liver fat quantification using three-dimensional respiratory self-navigated MRI sequence. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 1400-1409	4.4	7
22	Rats fed diets with different energy contribution from fat do not differ in adiposity. <i>Obesity Facts</i> , 2014 , 7, 302-10	5.1	6
21	Accelerating three-dimensional molecular cardiovascular MR imaging using compressed sensing. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 1362-71	5.6	6
20	Metabolite cycled liver H MRS on a 7 T parallel transmit system. <i>NMR in Biomedicine</i> , 2020 , 33, e4343	4.4	5
19	Enhancing the Velocity Data From 4D Flow MR Images by Reducing its Divergence. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 2353-2364	11.7	5
18	Intrahepatic portal vein blood volume estimated by non-contrast magnetic resonance imaging for the assessment of portal hypertension. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 970-7	3.3	4
17	Intrahepatic fatty acids composition as a biomarker of NAFLD progression from steatosis to NASH by using H-MRS.. <i>RSC Advances</i> , 2019 , 9, 42132-42139	3.7	4
16	Exercise training reduces brainstem oxidative stress and restores normal breathing function in heart failure. <i>Free Radical Biology and Medicine</i> , 2021 , 172, 470-481	7.8	4
15	Arterial spin labeling angiography using a triple inversion recovery prepulse. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 477-83	4.4	3
14	Combined coronary lumen and vessel wall magnetic resonance imaging with i-T2prep: influence of nitroglycerin. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 77-82	2.5	2
13	Quantization error in magnetic resonance imaging. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2014 , 43A, 79-89	0.6	2
12	Enhancement of visual perception with use of dynamic cues. <i>Radiology</i> , 2009 , 250, 551-7	20.5	2
11	Lipoprotein receptor SR-B1 deficiency enhances adipose tissue inflammation and reduces susceptibility to hepatic steatosis during diet-induced obesity in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021 , 1866, 158909	5	2
10	A new discrete dipole kernel for quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , 2018 , 51, 7-13	3.3	1
9	Accelerating dual cardiac phase images using undersampled radial phase encoding trajectories. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 1017-25	3.3	1
8	Calcium (Ca ²⁺) waves data calibration and analysis using image processing techniques. <i>BMC Bioinformatics</i> , 2013 , 14, 162	3.6	1
7	Automatic quantification of fat infiltration in paraspinal muscles using T2-weighted images: An OsiriX application. <i>Biomedical Signal Processing and Control</i> , 2020 , 57, 101793	4.9	1

6	Hepatoprotective species from the Chilean medicinal flora: <i>Junellia spathulata</i> (Verbenaceae). <i>Journal of Ethnopharmacology</i> , 2021 , 267, 113543	5	1
5	Level set segmentation with shape prior knowledge using intrinsic rotation, translation and scaling alignment. <i>Biomedical Signal Processing and Control</i> , 2021 , 63, 102241	4.9	1
4	Assessment of hepatic fatty acids during non-alcoholic steatohepatitis progression using magnetic resonance spectroscopy. <i>Annals of Hepatology</i> , 2021 , 25, 100358	3.1	1
3	Impact of Respiratory Gating on Hemodynamic Parameters from 4D Flow MRI. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2943	2.6	0
2	Atherosclerotic Plaque Imaging. <i>Contemporary Cardiology</i> , 2019 , 229-248	0.1	
1	Ferrous Ion oxidation monitoring by using magnetic resonance imaging for bio-oxidation laboratory testing. <i>Minerals Engineering</i> , 2017 , 106, 108-115	4.9	