

# Marcelo E Andia

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2994358/marcelo-e-andia-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Impact of Respiratory Gating on Hemodynamic Parameters from 4D Flow MRI. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2943	2.6	0
58	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> , <b>2021</b> , 1866, 158909	5	2
57	Hepatoprotective species from the Chilean medicinal flora: <i>Junellia spathulata</i> (Verbenaceae). <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 267, 113543	5	1
56	Level set segmentation with shape prior knowledge using intrinsic rotation, translation and scaling alignment. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 63, 102241	4.9	1
55	Exercise training reduces brainstem oxidative stress and restores normal breathing function in heart failure. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 172, 470-481	7.8	4
54	Assessment of hepatic fatty acids during non-alcoholic steatohepatitis progression using magnetic resonance spectroscopy. <i>Annals of Hepatology</i> , <b>2021</b> , 25, 100358	3.1	1
53	Metabolite cycled liver H MRS on a 7 T parallel transmit system. <i>NMR in Biomedicine</i> , <b>2020</b> , 33, e4343	4.4	5
52	Tropoelastin: an in vivo imaging marker of dysfunctional matrix turnover during abdominal aortic dilation. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 995-1005	9.9	9
51	Honeybee Pollen Extracts Reduce Oxidative Stress and Steatosis in Hepatic Cells. <i>Molecules</i> , <b>2020</b> , 26,	4.8	7
50	Automatic quantification of fat infiltration in paraspinal muscles using T2-weighted images: An OsiriX application. <i>Biomedical Signal Processing and Control</i> , <b>2020</b> , 57, 101793	4.9	1
49	Sustained Focal Vascular Inflammation Accelerates Atherosclerosis in Remote Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 2159-2170	9.4	7
48	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> , <b>2019</b> , 11,	6.7	18
47	Atherosclerotic Plaque Imaging. <i>Contemporary Cardiology</i> , <b>2019</b> , 229-248	0.1	
46	Intrahepatic fatty acids composition as a biomarker of NAFLD progression from steatosis to NASH by using H-MRS.. <i>RSC Advances</i> , <b>2019</b> , 9, 42132-42139	3.7	4
45	Is a single-level measurement of paraspinal muscle fat infiltration and cross-sectional area representative of the entire lumbar spine?. <i>Skeletal Radiology</i> , <b>2018</b> , 47, 939-945	2.7	18
44	A new discrete dipole kernel for quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , <b>2018</b> , 51, 7-13	3.3	1
43	Lumbar paraspinal muscle fat infiltration is independently associated with sex, age, and inter-vertebral disc degeneration in symptomatic patients. <i>Skeletal Radiology</i> , <b>2018</b> , 47, 955-961	2.7	39

42	Three-dimensional quantification of vorticity and helicity from 3D cine PC-MRI using finite-element interpolations. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 541-553	4.4	19
41	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> , <b>2018</b> , 79, 1882-1892	4.4	14
40	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> , <b>2018</b> , 470, 1503-1519	4.6	16
39	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling after Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , <b>2018</b> , 11,	3.9	24
38	Tropoelastin: A novel marker for plaque progression and instability. <i>Circulation: Cardiovascular Imaging</i> , <b>2018</b> , 11,	3.9	19
37	Simultaneous left and right ventricle segmentation using topology preserving level sets. <i>Biomedical Signal Processing and Control</i> , <b>2017</b> , 33, 88-95	4.9	16
36	Ferrous Ion oxidation monitoring by using magnetic resonance imaging for bio-oxidation laboratory testing. <i>Minerals Engineering</i> , <b>2017</b> , 106, 108-115	4.9	
35	Accelerating dual cardiac phase images using undersampled radial phase encoding trajectories. <i>Magnetic Resonance Imaging</i> , <b>2016</b> , 34, 1017-25	3.3	1
34	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> , <b>2016</b> , 35, 1475-87	11.7	32
33	Total liver fat quantification using three-dimensional respiratory self-navigated MRI sequence. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 1400-1409	4.4	7
32	Realistic aortic phantom to study hemodynamics using MRI and cardiac catheterization in normal and aortic coarctation conditions. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 44, 683-97	5.6	18
31	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> , <b>2016</b> , 9,	3.9	16
30	Enhancing the Velocity Data From 4D Flow MR Images by Reducing its Divergence. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 2353-2364	11.7	5
29	Sensitivity analysis of geometric errors in additive manufacturing medical models. <i>Medical Engineering and Physics</i> , <b>2015</b> , 37, 328-34	2.4	35
28	Intrahepatic portal vein blood volume estimated by non-contrast magnetic resonance imaging for the assessment of portal hypertension. <i>Magnetic Resonance Imaging</i> , <b>2015</b> , 33, 970-7	3.3	4
27	Combined coronary lumen and vessel wall magnetic resonance imaging with i-T2prep: influence of nitroglycerin. <i>International Journal of Cardiovascular Imaging</i> , <b>2015</b> , 31, 77-82	2.5	2
26	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> , <b>2015</b> , 172, 3548-64	8.6	32
25	PET/CT and MR imaging biomarker of lipid-rich plaques using [64Cu]-labeled scavenger receptor (CD68-Fc). <i>International Journal of Cardiology</i> , <b>2014</b> , 177, 287-91	3.2	17

24	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> , <b>2014</b> , 34, 1193-1198	9.4	47
23	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> , <b>2014</b> , 271, 390-9	20.5	28
22	Quantization error in magnetic resonance imaging. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , <b>2014</b> , 43A, 79-89	0.6	2
21	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> , <b>2014</b> , 39, 598-608	5.6	14
20	Rats fed diets with different energy contribution from fat do not differ in adiposity. <i>Obesity Facts</i> , <b>2014</b> , 7, 302-10	5.1	6
19	Flow-independent 3D whole-heart vessel wall imaging using an interleaved T2-preparation acquisition. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 69, 150-7	4.4	29
18	Calcium (Ca <sup>2+</sup> ) waves data calibration and analysis using image processing techniques. <i>BMC Bioinformatics</i> , <b>2013</b> , 14, 162	3.6	1
17	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> , <b>2013</b> , 36, 128-32	2.7	22
16	Magnetic resonance T1 relaxation time of venous thrombus is determined by iron processing and predicts susceptibility to lysis. <i>Circulation</i> , <b>2013</b> , 128, 729-736	16.7	64
15	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> , <b>2013</b> , 6, 957-64	3.9	15
14	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> , <b>2013</b> , 6, 433-440	3.9	40
13	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> , <b>2013</b> , 2, e000402	6	24
12	Molecular MRI of atherosclerosis. <i>Molecules</i> , <b>2013</b> , 18, 14042-69	4.8	25
11	Expression of stromal-cell-derived factor-1 (SDF-1): a predictor of ischaemic stroke?. <i>European Journal of Neurology</i> , <b>2012</b> , 19, 395-401	6	20
10	Arterial spin labeling angiography using a triple inversion recovery prepulse. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 67, 477-83	4.4	3
9	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> , <b>2012</b> , 303, H1397-410	5.2	10
8	Accelerating three-dimensional molecular cardiovascular MR imaging using compressed sensing. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 36, 1362-71	5.6	6
7	Noninvasive magnetic resonance imaging evaluation of endothelial permeability in murine atherosclerosis using an albumin-binding contrast agent. <i>Circulation</i> , <b>2012</b> , 126, 707-19	16.7	100

6	Using magnetic resonance phase-contrast velocity mapping for diagnosing pelvic congestion syndrome. <i>Phlebology</i> , <b>2011</b> , 26, 157-61	2	20
5	Gallbladder cancer: incidence and survival in a high-risk area of Chile. <i>International Journal of Cancer</i> , <b>2010</b> , 127, 2446-54	7.5	47
4	Enhancement of visual perception with use of dynamic cues. <i>Radiology</i> , <b>2009</b> , 250, 551-7	20.5	2
3	Incidence and survival of stomach cancer in a high-risk population of Chile. <i>World Journal of Gastroenterology</i> , <b>2009</b> , 15, 1854-62	5.6	48
2	Geographic variation of gallbladder cancer mortality and risk factors in Chile: a population-based ecologic study. <i>International Journal of Cancer</i> , <b>2008</b> , 123, 1411-6	7.5	69
1	Sulfur dioxide abatement costs and compliance with health-based standards: the case of copper smelters. <i>Resources Policy</i> , <b>2001</b> , 27, 147-155	7.2	7