

David Moratal

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

3,598
citations

126907

33
h-index

168389

53
g-index

180
all docs

180
docs citations

180
times ranked

5915
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Resonance Assessment of Left Ventricular Ejection Fraction at Any Time <scp>Postâ€Infarction</scp> for Prediction of Subsequent Events in a Large Multicenter <scp>STEMI</scp> Registry. Journal of Magnetic Resonance Imaging, 2022, 56, 476-487.	3.4	9
2	Increased network centrality of the anterior insula in early abstinence from alcohol. Addiction Biology, 2022, 27, e13096.	2.6	14
3	Combined assessment of stress cardiovascular magnetic resonance and angiography to predict the effect of revascularization in chronic coronary syndrome patients. European Journal of Preventive Cardiology, 2022, 29, 407-416.	1.8	3
4	Risk score for early risk prediction by cardiac magnetic resonance after acute myocardial infarction. International Journal of Cardiology, 2022, 349, 150-154.	1.7	7
5	Sex Effect in the Decision to Perform Invasive Coronary Angiography in Patients With Chronic Coronary Syndrome After Undergoing Vasodilator Stress <scp>MRI</scp>. Journal of Magnetic Resonance Imaging, 2022, , .	3.4	0
6	Shortâ€Term Changes in Left and Right Ventricular Cardiac Magnetic Resonance Feature Tracking Strain Following Ferric Carboxymaltose in Patients With Heart Failure: A Substudy of the Myocardialâ€RON Trial. Journal of the American Heart Association, 2022, 11, e022214.	3.7	5
7	Brain Network Allostasis after Chronic Alcohol Drinking Is Characterized by Functional Dedifferentiation and Narrowing. Journal of Neuroscience, 2022, 42, 4401-4413.	3.6	8
8	Low-Power Lossless Data Compression for Wireless Brain Electrophysiology. Sensors, 2022, 22, 3676.	3.8	2
9	End-systole and end-diastole detection in short axis cine MRI using a fully convolutional neural network with dilated convolutions. Computerized Medical Imaging and Graphics, 2022, 99, 102085.	5.8	1
10	Longitudinal strain in remote non-infarcted myocardium by tissue tracking CMR: characterization, dynamics, structural and prognostic implications. International Journal of Cardiovascular Imaging, 2021, 37, 241-253.	1.5	4
11	Quantitative Analysis of Real-Time Infrared Thermography for the Assessment of Lumbar Sympathetic Blocks: A Preliminary Study. Sensors, 2021, 21, 3573.	3.8	10
12	Determination of Non-Invasive Biomarkers for the Assessment of Fibrosis, Steatosis and Hepatic Iron Overload by MR Image Analysis. A Pilot Study. Diagnostics, 2021, 11, 1178.	2.6	2
13	Sequential cardiovascular magnetic resonance assessment of left ventricular ejection fraction for prediction of subsequent events in a large multicenter STEMI registry. European Heart Journal Cardiovascular Imaging, 2021, 22, .	1.2	0
14	Automatic left ventricle volume calculation with explainability through a deep learning weak-supervision methodology. Computer Methods and Programs in Biomedicine, 2021, 208, 106275.	4.7	8
15	Neuroimaging reveals functionally distinct neuronal networks associated with high-level alcohol consumption in two genetic rat models. Behavioural Pharmacology, 2021, 32, 229-238.	1.7	3
16	Predictive Value of Cardiac Magnetic Resonance Feature Tracking after Acute Myocardial Infarction: A Comparison with Dobutamine Stress Echocardiography. Journal of Clinical Medicine, 2021, 10, 5261.	2.4	1
17	Incubation of neural alcohol cue reactivity after withdrawal and its blockade by naltrexone. Addiction Biology, 2020, 25, e12717.	2.6	57
18	A Novel Clinical and Stress Cardiac Magnetic Resonance (C-CMR-10) Score to Predict Long-Term All-Cause Mortality in Patients with Known or Suspected Chronic Coronary Syndrome. Journal of Clinical Medicine, 2020, 9, 1957.	2.4	7

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19	Vasodilator Stress CMR and All-Cause Mortality in Stable Ischemic Heart Disease. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1674-1686.	5.3	39
20	Ejection Fraction by Echocardiography for a Selective Use of Magnetic Resonance After Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e011491.	2.6	12
21	Glioblastomas and brain metastases differentiation following an MRI texture analysis-based radiomics approach. <i>Physica Medica</i> , 2020, 76, 44-54.	0.7	32
22	Chronic alcohol consumption alters extracellular space geometry and transmitter diffusion in the brain. <i>Science Advances</i> , 2020, 6, eaba0154.	10.3	34
23	Determination of Image-based Biomarkers for the Diagnosis of Hypertrophic Cardiomyopathy, Hypertensive Cardiomyopathy and Amyloidosis From Texture Analysis in Cardiac MRI. , 2020, , .		2
24	Different theta frameworks coexist in the rat hippocampus and are coordinated during memory-guided and novelty tasks. <i>ELife</i> , 2020, 9, .	6.0	47
25	DEVELOPING EXPERIMENTAL DESIGN AND ANALYTICAL SKILLS IN METABOLOMICS: A BIOMEDICAL ENGINEERING LABORATORY EXPERIMENT PROPOSAL. , 2020, , .		0
26	Comparative Analysis of Tagging and Feature-Tracking Cardiac MRI Techniques for the Evaluation of Cardiac Deformation. , 2020, , .		0
27	PSPU-Net for Automatic Short Axis Cine MRI Segmentation of Left and Right Ventricles. , 2020, , .		2
28	TherMouseDuino: An affordable Open-Source temperature control system for functional magnetic resonance imaging experimentation with mice. <i>Magnetic Resonance Imaging</i> , 2019, 58, 67-75.	1.8	1
29	Identification of the presence of ischaemic stroke lesions by means of texture analysis on brain magnetic resonance images. <i>Computerized Medical Imaging and Graphics</i> , 2019, 74, 12-24.	5.8	42
30	Link-Level Functional Connectivity Neuroalterations in Autism Spectrum Disorder: A Developmental Resting-State fMRI Study. <i>Diagnostics</i> , 2019, 9, 32.	2.6	16
31	Structural connectivity centrality changes mark the path toward Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 98-107.	2.4	17
32	A Ciliary Motility Index for Activity Measurement in Cell Cultures With Respiratory Syncytial Virus. <i>American Journal of Rhinology and Allergy</i> , 2019, 33, 121-128.	2.0	1
33	Radiomicrobiomics: Advancing Along the Gut-brain Axis Through Big Data Analysis. <i>Neuroscience</i> , 2019, 403, 145-149.	2.3	15
34	Dual Energy Computed Tomography for Lung Cancer Diagnosis and Characterization. , 2019, , 49-74.		0
35	HIVE Tracker. , 2018, , .		5
36	Texture analysis of cardiac cine magnetic resonance imaging to detect nonviable segments in patients with chronic myocardial infarction. <i>Medical Physics</i> , 2018, 45, 1471-1480.	3.0	64

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37	Mapping Functional Connectivity in the Rodent Brain Using Electric-Stimulation fMRI. <i>Methods in Molecular Biology</i> , 2018, 1718, 117-134.	0.9	21
38	2D and 3D texture analysis to differentiate brain metastases on MR images: proceed with caution. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 285-294.	2.0	22
39	Functional MRI of Synaptic Plasticity. <i>Handbook of Behavioral Neuroscience</i> , 2018, 28, 441-456.	0.7	2
40	A Tangible Educative 3D Printed Atlas of the Rat Brain. <i>Materials</i> , 2018, 11, 1531.	2.9	4
41	Medical Mechatronics for Healthcare. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-3.	1.9	2
42	Evaluating Functional Connectivity Alterations in Autism Spectrum Disorder Using Network-Based Statistics. <i>Diagnostics</i> , 2018, 8, 51.	2.6	17
43	Classifying brain metastases by their primary site of origin using a radiomics approach based on texture analysis: a feasibility study. <i>European Radiology</i> , 2018, 28, 4514-4523.	4.5	106
44	EP-2080: Dual-energy computed tomography and prediction of response to radiotherapy treatment in lung cancer. <i>Radiotherapy and Oncology</i> , 2018, 127, S1141-S1142.	0.6	0
45	ALTEA: A Software Tool for the Evaluation of New Biomarkers for Alzheimer's Disease by Means of Textures Analysis on Magnetic Resonance Images. <i>Diagnostics</i> , 2018, 8, 47.	2.6	4
46	Open Source 3D Printed Lung Tumor Movement Simulator for Radiotherapy Quality Assurance. <i>Materials</i> , 2018, 11, 1317.	2.9	7
47	Multi-modal MRI classifiers identify excessive alcohol consumption and treatment effects in the brain. <i>Addiction Biology</i> , 2017, 22, 1459-1472.	2.6	17
48	Opportunistic screening for osteoporosis by routine CT in Southern Europe. <i>Osteoporosis International</i> , 2017, 28, 983-990.	3.1	94
49	Comment on "Computer-Extracted Texture Features to Distinguish Cerebral Radionecrosis from Recurrent Brain Tumors on Multiparametric MRI: A Feasibility Study". <i>American Journal of Neuroradiology</i> , 2017, 38, E21-E21.	2.4	1
50	Incidence, Outcomes, and Predictors of Ventricular Thrombus after Reperfused ST-Segment Elevation Myocardial Infarction by Using Sequential Cardiac MR Imaging. <i>Radiology</i> , 2017, 284, 372-380.	7.3	32
51	Differentiation between acute and chronic myocardial infarction by means of texture analysis of late gadolinium enhancement and cine cardiac magnetic resonance imaging. <i>European Journal of Radiology</i> , 2017, 92, 78-83.	2.6	79
52	Identifying the primary site of origin of MRI brain metastases from lung and breast cancer following a 2D radiomics approach. , 2017, , .		3
53	RATT: RFID Assisted Tracking Tile. Preliminary results. , 2017, 2017, 4114-4117.		1
54	Structural and functional, empirical and modeled connectivity in the cerebral cortex of the rat. <i>NeuroImage</i> , 2017, 159, 170-184.	4.2	36

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55	Development of functional and structural brain alterations in longitudinal models of high alcohol consumption and abstinence. <i>Alcohol</i> , 2017, 60, 215.	1.7	0
56	Evaluating network brain connectivity in alcohol postdependent state using Network-Based Statistic. , 2017, 2017, 533-536.		2
57	A fully automated method for segmentation and classification of local field potential recordings. Preliminary results. , 2017, 2017, 426-429.		0
58	Automatic segmentation of the spine by means of a probabilistic atlas with a special focus on ribs suppression. <i>Medical Physics</i> , 2017, 44, 4695-4707.	3.0	6
59	Texture analysis for infarcted myocardium detection on delayed enhancement MRI. , 2017, , .		3
60	A radiomics evaluation of 2D and 3D MRI texture features to classify brain metastases from lung cancer and melanoma. , 2017, 2017, 493-496.		30
61	Automatic positioning device for cutting three-dimensional tissue in living or fixed samples. Proof of concept. , 2017, 2017, 1372-1375.		0
62	The use of subject-specific Finite Element analysis of L1-L4 vertebra to screening osteoporosis in postmenopausal women. , 2017, 2017, 1832-1835.		0
63	Brain functional connectivity alterations in a rat model of excessive alcohol drinking: A resting-state network analysis. , 2017, 2017, 3016-3019.		4
64	OncoSpineSeg: A Software Tool for a Manual Segmentation of Computed Tomography of the Spine on Cancer Patients. , 2017, , .		0
65	A generalized entropy-based two-phase threshold algorithm for noisy medical image edge detection. <i>Scientia Iranica</i> , 2017, .	0.4	5
66	Brain metastases detection on MR by means of three-dimensional tumor appearance template matching. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 642-652.	3.4	30
67	Brain Metastases Detection Algorithms in Magnetic Resonance Imaging. <i>IEEE Latin America Transactions</i> , 2016, 14, 1109-1114.	1.6	16
68	Schwann-cell cylinders grown inside hyaluronic-acid tubular scaffolds with gradient porosity. <i>Acta Biomaterialia</i> , 2016, 30, 199-211.	8.3	28
69	Prediction of Reverse Remodeling at Cardiac MR Imaging Soon after First ST-Segment Elevation Myocardial Infarction: Results of a Large Prospective Registry. <i>Radiology</i> , 2016, 278, 54-63.	7.3	49
70	A fully automated level-set based segmentation method of thoracic and lumbar vertebral bodies in Computed Tomography images. , 2015, 2015, 3049-52.		11
71	Brain size regulations by cbp haploinsufficiency evaluated by in-vivo MRI based volumetry. <i>Scientific Reports</i> , 2015, 5, 16256.	3.3	4
72	Automatic detection of local arterial input functions through Independent Component Analysis on Dynamic Contrast enhanced Magnetic Resonance Imaging. , 2015, 2015, 4294-7.		1

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73	Support vector machine classification of brain metastasis and radiation necrosis based on texture analysis in MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1362-1368.	3.4	83
74	Neurosurgery planning in rodents using a magnetic resonance imaging assisted framework to target experimentally defined networks. <i>Computer Methods and Programs in Biomedicine</i> , 2015, 121, 66-76.	4.7	12
75	P-53 RESTING-STATE BRAIN NETWORKS DURING HIGH LEVELS OF ALCOHOL DRINKING FOLLOWED BY ABSTINENCE IN RATS. <i>Alcohol and Alcoholism</i> , 2015, 50, i58.4-i59.	1.6	0
76	Automatic segmentation of the spine by means of a probabilistic atlas with a special focus on ribs suppression. <i>Preliminary results.</i> , 2015, 2015, 2014-7.		4
77	SY27-3 LONGITUDINAL STUDY OF FUNCTIONAL AND MICROSTRUCTURAL ALTERATIONS IN BRAIN NETWORKS DURING ALCOHOL INTOXICATION AND ABSTINENCE. <i>Alcohol and Alcoholism</i> , 2015, 50, i30.3-i30.	1.6	0
78	PETra: software tool for a semiautomatic positron emission tomography image analysis and its application to the study of brain glucose consumption in rats. <i>IEEE Latin America Transactions</i> , 2015, 13, 876-884.	1.6	0
79	Magnetic resonance microimaging of a swine infarcted heart: Performing cardiac virtual histologies. , 2015, 2015, 1584-7.		1
80	Functional diffusion map: A biomarker of brain metastases response to treatment based on magnetic resonance image analysis. , 2015, 2015, 4282-5.		5
81	Characterization of normal regional myocardial function by MRI cardiac tagging. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 83-92.	3.4	20
82	Automatic Brain Morphometry and Volumetry Using SPM on Cognitively Impaired Patients. <i>IEEE Latin America Transactions</i> , 2015, 13, 1077-1082.	1.6	1
83	Semiautomatic computer-aided classification of degenerative lumbar spine disease in magnetic resonance imaging. <i>Computers in Biology and Medicine</i> , 2015, 62, 196-205.	7.0	33
84	Micro-computed tomography image-based evaluation of 3D anisotropy degree of polymer scaffolds. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 446-455.	1.6	9
85	A Fractal Nature for Polymerized Laminin. <i>PLoS ONE</i> , 2014, 9, e109388.	2.5	16
86	Computer-aided detection of brain metastases using a three-dimensional template-based matching algorithm. , 2014, 2014, 2384-7.		9
87	A fully automated method for spinal canal detection in computed tomography images. , 2014, 2014, 5514-7.		3
88	Fully automatic spinal canal segmentation for radiation therapy using a Gradient Vector Flow-based method on computed tomography images: A preliminary study. , 2014, 2014, 5518-21.		2
89	Design and Assembly Procedures for Large-Sized Biohybrid Scaffolds as Patches for Myocardial Infarct. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 817-827.	2.1	13
90	Effect of ischemic postconditioning on microvascular obstruction in reperfused myocardial infarction. Results of a randomized study in patients and of an experimental model in swine. <i>International Journal of Cardiology</i> , 2014, 175, 138-146.	1.7	33

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91	Tractography of the uncinate fasciculus and the posterior cingulate fasciculus in patients with mild cognitive impairment and Alzheimer disease. <i>Neurología (English Edition)</i> , 2014, 29, 11-20.	0.4	6
92	Fibronectin-matrix sandwich-like microenvironments to manipulate cell fate. <i>Biomaterials Science</i> , 2014, 2, 381-389.	5.4	14
93	Primary ciliary dyskinesia assessment by means of optical flow analysis of phase-contrast microscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 163-170.	5.8	8
94	ErbB4 Deletion from Fast-Spiking Interneurons Causes Schizophrenia-like Phenotypes. <i>Neuron</i> , 2013, 79, 1152-1168.	8.1	254
95	Role of Material-Driven Fibronectin Fibrillogenesis in Protein Remodeling. <i>BioResearch Open Access</i> , 2013, 2, 364-373.	2.6	21
96	Unsupervised segmentation of brain regions with similar microstructural properties: Application to alcoholism. , 2013, 2013, 1053-6.		9
97	Vitronectin alters fibronectin organization at the cell-material interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 618-625.	5.0	20
98	Functional Living Biointerphases. <i>Advanced Healthcare Materials</i> , 2013, 2, 1213-1218.	7.6	12
99	Non-monotonic cell differentiation pattern on extreme wettability gradients. <i>Biomaterials Science</i> , 2013, 1, 202-212.	5.4	25
100	Head-to-head comparison of 1 week versus 6 months CMR-derived infarct size for prediction of late events after STEMI. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1499-1509.	1.5	7
101	Ciliary motility activity measurement using a dense optical flow algorithm. , 2013, 2013, 4446-9.		2
102	Prognostic Implications of Dipyridamole Cardiac MR Imaging: A Prospective Multicenter Registry. <i>Radiology</i> , 2012, 262, 91-100.	7.3	46
103	Optical flow method in phase-contrast microscopy images for the diagnosis of primary ciliary dyskinesia through measurement of ciliary beat frequency. Preliminary results. , 2012, , .		4
104	Signal Analysis Techniques (Blinowska, K.J. and Zygierevicz, J.; 2012) [Book Review]. <i>IEEE Pulse</i> , 2012, 3, 60-60.	0.3	0
105	Optimal sampling for "Noquist"-reduced-data cine magnetic resonance imaging. <i>Medical Physics</i> , 2012, 40, 012302.	3.0	0
106	Principles of Computational Modelling in Neuroscience [Book Reviews]. <i>IEEE Pulse</i> , 2012, 3, 82-82.	0.3	2
107	Surface mobility regulates skeletal stem cell differentiation. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 531.	1.3	39
108	Fibronectin adsorption and cell response on electroactive poly(vinylidene fluoride) films. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 035004.	3.3	83

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109	Metabolomic Profile of Human Myocardial Ischemia by Nuclear Magnetic Resonance Spectroscopy of Peripheral Blood Serum. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1629-1641.	2.8	84
110	Controlled wettability, same chemistry: biological activity of plasma-polymerized coatings. <i>Soft Matter</i> , 2012, 8, 5575.	2.7	30
111	A semiautomatic segmentation method, solid tissue classification and 3D reconstruction of mandible from computed tomography imaging for biomechanical analysis. , 2012, , .		3
112	Effect of topological cues on material-driven fibronectin fibrillogenesis and cell differentiation. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 195-204.	3.6	30
113	Morphological and statistical analysis of biomaterials with applications in tissue engineering by means of microscopy image processing. <i>IEEE Latin America Transactions</i> , 2011, 9, 399-407.	1.6	0
114	Magnetic resonance imaging gridding reconstruction methods with and without density compensation functions. <i>IEEE Latin America Transactions</i> , 2011, 9, 774-778.	1.6	2
115	Comparison of the main magnetic resonance imaging acceleration strategies based on parallel imaging techniques. <i>IEEE Latin America Transactions</i> , 2011, 9, 749-758.	1.6	0
116	Routing Design in Wireless Sensor Networks and a Solution for Healthcare Environments. <i>IEEE Latin America Transactions</i> , 2011, 9, 408-414.	1.6	7
117	Role of superhydrophobicity in the biological activity of fibronectin at the cell-material interface. <i>Soft Matter</i> , 2011, 7, 10803.	2.7	58
118	Resultados de la estrategia farmacoinvasiva y de la angioplastia primaria en la reperfusi3n del infarto con elevaci3n del segmento ST. Estudio con resonancia magn3tica cardiaca en la primera semana y en el sexto mes. <i>Revista Espanola De Cardiologia</i> , 2011, 64, 111-120.	1.2	27
119	Medical Imaging: Principles, Detectors, and Electronics (Iniewski, K., Ed.; 2009) [Book Reviews]. <i>IEEE Pulse</i> , 2011, 2, 76-77.	0.3	1
120	One-Week and 6-Month Cardiovascular Magnetic Resonance Outcome of the Pharmacoinvasive Strategy and Primary Angioplasty for the Reperfusion of ST-Segment Elevation Myocardial Infarction. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2011, 64, 111-120.	0.6	8
121	Fibronectin Distribution on Demixed Nanoscale Topographies. <i>International Journal of Artificial Organs</i> , 2011, 34, 54-63.	1.4	25
122	Role of material-driven fibronectin fibrillogenesis in cell differentiation. <i>Biomaterials</i> , 2011, 32, 2099-2105.	11.4	122
123	Time-resolved parallel magnetic resonance imaging with a reduced dynamic field of view. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1062-1074.	3.0	9
124	Quantitative analysis of cerebrospinal fluid flow in complex regions by using phase contrast magnetic resonance imaging. <i>International Journal of Imaging Systems and Technology</i> , 2011, 21, 290-297.	4.1	4
125	Role of Surface Chemistry in Protein Remodeling at the Cell-Material Interface. <i>PLoS ONE</i> , 2011, 6, e19610.	2.5	78
126	Assessment of 2D and 3D fractal dimension measurements of trabecular bone from high-resolution magnetic resonance images at 3 T. <i>Medical Physics</i> , 2010, 37, 4930-4937.	3.0	37

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127	Microscopic Image Analysis for Life Science Applications (Rittscher, J. et al., Eds.; 2008) [Book Reviews. IEEE Engineering in Medicine and Biology Magazine, 2010, 29, 106-107.	0.8	0
128	Differentiation of mesenchymal stem cells in chitosan scaffolds with double micro and macroporosity. Journal of Biomedical Materials Research - Part A, 2010, 95A, 1182-1193.	4.0	41
129	Effect of nanoscale topography on fibronectin adsorption, focal adhesion size and matrix organisation. Colloids and Surfaces B: Biointerfaces, 2010, 77, 181-190.	5.0	108
130	Estimating intracranial fluid dynamics using quantitative analyses of phase contrast magnetic resonance images. Radiologia, 2010, 52, 51-57.	0.5	1
131	Subtle variations in polymer chemistry modulate substrate stiffness and fibronectin activity. Soft Matter, 2010, 6, 4748.	2.7	41
132	Substrate-Induced Assembly of Fibronectin into Networks: Influence of Surface Chemistry and Effect on Osteoblast Adhesion. Tissue Engineering - Part A, 2009, 15, 3271-3281.	3.1	91
133	Microcomputed tomography and microfinite element modeling for evaluating polymer scaffolds architecture and their mechanical properties. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 191-202.	3.4	33
134	Fibrinogen Patterns and Activity on Substrates with Tailored Hydroxy Density. Macromolecular Bioscience, 2009, 9, 766-775.	4.1	21
135	Poly(L-lactide) Substrates with Tailored Surface Chemistry by Plasma Copolymerisation of Acrylic Monomers. Plasma Processes and Polymers, 2009, 6, 190-198.	3.0	13
136	Additional Diagnostic Value of Systolic Dysfunction Induced by Dipyridamole Stress Cardiac Magnetic Resonance Used in Detecting Coronary Artery Disease. Revista Espanola De Cardiologia (English Ed), 2009, 62, 383-391.	0.6	2
137	MR pharmacokinetic modeling of the patellar cartilage differentiates normal from pathological conditions. Journal of Magnetic Resonance Imaging, 2008, 27, 171-177.	3.4	31
138	Schizophrenia with auditory hallucinations: A voxel-based morphometry study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2008, 32, 72-80.	4.8	100
139	Left orbitofrontal and superior temporal gyrus structural changes associated to suicidal behavior in patients with schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2008, 32, 1673-1676.	4.8	105
140	Prognostic and therapeutic implications of dipyridamole stress cardiovascular magnetic resonance on the basis of the ischaemic cascade. Heart, 2008, 95, 49-55.	2.9	54
141	Time-resolved parallel imaging with a reduced dynamic field of view. , 2008, , .		0
142	In Vivo Trabecular Bone Morphologic and Mechanical Relationship Using High-Resolution 3-T MRI. American Journal of Roentgenology, 2008, 191, 721-726.	2.2	33
143	k-Space tutorial: an MRI educational tool for a better understanding of k-space. Biomedical Imaging and Intervention Journal, 2008, 4, e15.	0.5	42
144	Sharing acute myocardial infarction databases through the internet with MySQL and PHP: A web-accessible database for clinical research networks. , 2007, , .		1

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145	Chronic Auditory Hallucinations in Schizophrenic Patients: MR Analysis of the Coincidence between Functional and Morphologic Abnormalities. <i>Radiology</i> , 2007, 244, 549-556.	7.3	57
146	Volume Mesh Generation and Finite Element Analysis of Trabecular Bone Magnetic Resonance Images. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1603-6.	0.5	5
147	Clinical Software for the Assessment of Trabecular Bone Disease in Distal Radius Based on a Magnetic Resonance Structural Analysis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2073-6.	0.5	0
148	Comparison of atrial wave extraction methods from invasive recordings in atrial fibrillation. , 2007, , .		0
149	Ventricular Artifacts Cancellation from Atrial Epicardial Recordings in Atrial Tachyarrhythmias. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6504-7.	0.5	1
150	ICA for Ovary Tissue Classification of Perfusion Magnetic Resonance Images. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1611-4.	0.5	0
151	Automatic segmentation and 3D reconstruction of intravascular ultrasound images for a fast preliminar evaluation of vessel pathologies. <i>Computerized Medical Imaging and Graphics</i> , 2007, 31, 71-80.	5.8	53
152	Emotional words induce enhanced brain activity in schizophrenic patients with auditory hallucinations. <i>Psychiatry Research - Neuroimaging</i> , 2007, 154, 21-29.	1.8	60
153	Convolutional Blind Source Separation Algorithms Applied to the Electrocardiogram of Atrial Fibrillation: Study of Performance. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 1530-1533.	4.2	33
154	Analysis of the extension of Q-waves after infarction with body surface map: Relationship with infarct size. <i>International Journal of Cardiology</i> , 2006, 111, 399-404.	1.7	14
155	Semiautomatic Analysis of Phase Contrast Magnetic Resonance Imaging of Cerebrospinal Fluid Flow through the Aqueduct of Sylvius. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006, 19, 78-87.	2.0	28
156	Microvascular perfusion 1 week and 6 months after myocardial infarction by first-pass perfusion cardiovascular magnetic resonance imaging. <i>Heart</i> , 2006, 92, 1801-1807.	2.9	35
157	Derivation of Atrial Surface Reentries Applying ICA to the Standard Electrocardiogram of Patients in Postoperative Atrial Fibrillation. <i>Lecture Notes in Computer Science</i> , 2006, , 478-485.	1.3	1
158	Performance Study of Convolutional BSS Algorithms Applied to the Electrocardiogram of Atrial Fibrillation. <i>Lecture Notes in Computer Science</i> , 2006, , 495-502.	1.3	3
159	Estimation of atrial fibrillatory wave from single-lead atrial fibrillation electrocardiograms using principal component analysis concepts. <i>Medical and Biological Engineering and Computing</i> , 2005, 43, 557-560.	2.8	57
160	SAGIMA: an easy-to-use and low cost WEB-PACS system for an optimal access and management of a digital angiography database. , 2005, , .		0
161	Epicardial atrial activation assessment from the surface ECG in atrial fibrillation. , 2005, , .		1
162	Atrial activity enhancement by blind sparse sequential separation. , 2005, , .		1

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163	Feasibility and performance of methods based on statistical signal processing to study atrial fibrillation. , 2005, , .		0
164	ICARO: a computer aided diagnosis tool for the quantification of intracoronary and intravenous echocardiography. , 2005, , .		1
165	Myocardial Echocardiography With Intracoronary Injection of Contrast in Post-Infarction Patients. Implications and Comparison With Angiography and Magnetic Resonance Imaging. Revista Espanola De Cardiologia (English Ed), 2004, 57, 20-28.	0.6	2
166	Texture Analysis in Magnetic Resonance Imaging: Review and Considerations for Future Applications. , 0, , .		43
167	Microfinite Element Modeling for Evaluating Polymer Scaffolds Architecture and their Mechanical Properties from microComputed Tomography. , 0, , .		1
168	Finite Element Modeling for a Morphometric and Mechanical Characterization of Trabecular Bone from High Resolution Magnetic Resonance Imaging. , 0, , .		1