

# Oscar Camara

## List of Publications by Year in Descending Order

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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.

130  
papers

2,711  
citations

25  
h-index

50  
g-index

144  
ext. papers

3,424  
ext. citations

3.9  
avg, IF

4.77  
L-index

#	Paper	IF	Citations
130	In-silico Analysis of Device-Related Thrombosis for Different Left Atrial Appendage Occluder Settings. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 160-168	0.9	0
129	Computational pipeline for the generation and validation of patient-specific mechanical models of brain development. <i>Brain Multiphysics</i> , <b>2022</b> , 3, 100045	4.2	1
128	Joint Analysis of Morphological Parameters and In Silico Haemodynamics of the Left Atrial Appendage for Thrombogenic Risk Assessment.. <i>Journal of Interventional Cardiology</i> , <b>2022</b> , 2022, 9125224	1.8	1
127	Left Atrial Thrombus-Are All Atria and Appendages Equal?. <i>Interventional Cardiology Clinics</i> , <b>2022</b> , 11, 121-134	1.4	
126	Deep Learning Framework for Real-Time Estimation of Thrombotic Risk Indices in the Left Atrial Appendage. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 694945	4.6	7
125	A global benchmark of algorithms for segmenting the left atrium from late gadolinium-enhanced cardiac magnetic resonance imaging. <i>Medical Image Analysis</i> , <b>2021</b> , 67, 101832	15.4	30
124	Integration of artificial intelligence into clinical patient management: focus on cardiac imaging. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2021</b> , 74, 72-80	0.7	1
123	Cardiac computational modelling. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2021</b> , 74, 65-71	0.7	1
122	Towards assisted electrocardiogram interpretation using an AI-enabled Augmented Reality headset. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , <b>2021</b> , 9, 349-356	0.9	
121	Shape Analysis and Computational Fluid Simulations to Assess Feline Left Atrial Function and Thrombogenesis. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 619-628	0.9	
120	In-Silico Analysis of the Influence of Pulmonary Vein Configuration on Left Atrial Haemodynamics and Thrombus Formation in a Large Cohort. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 605-616	0.9	6
119	Geometric Deep Learning for the Assessment of Thrombosis Risk in the Left Atrial Appendage. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 639-649	0.9	0
118	4D Flow Magnetic Resonance Imaging for Left Atrial Haemodynamic Characterization and Model Calibration. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 156-165	0.9	1
117	High-power short-duration vs. standard radiofrequency cardiac ablation: comparative study based on an in-silico model. <i>International Journal of Hyperthermia</i> , <b>2021</b> , 38, 582-592	3.7	2
116	Biophysics-based statistical learning: Application to heart and brain interactions. <i>Medical Image Analysis</i> , <b>2021</b> , 72, 102089	15.4	3
115	Sensitivity Analysis of In Silico Fluid Simulations to Predict Thrombus Formation after Left Atrial Appendage Occlusion. <i>Mathematics</i> , <b>2021</b> , 9, 2304	2.3	6
114	Modelizaci3n computacional cardiaca. <i>Revista Espanola De Cardiologia</i> , <b>2021</b> , 74, 65-71	1.5	5

113	Towards Mesh-Free Patient-Specific Mitral Valve Modeling. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 66-75	0.9	1
112	A Cartesian Grid Representation of Left Atrial Appendages for a Deep Learning Estimation of Thrombogenic Risk Predictors. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 35-43	0.9	2
111	Impact of Flow Dynamics on Device-Related Thrombosis After Left Atrial Appendage Occlusion. <i>Canadian Journal of Cardiology</i> , <b>2020</b> , 36, 968.e13-968.e14	3.8	13
110	Automatic Detection of Slow Conducting Channels during Substrate Ablation of Scar-Related Ventricular Arrhythmias. <i>Journal of Interventional Cardiology</i> , <b>2020</b> , 2020, 4386841	1.8	
109	Calibration of a fully coupled electromechanical meshless computational model of the heart with experimental data. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2020</b> , 364, 112869	5.7	4
108	In silico pace-mapping: prediction of left vs. right outflow tract origin in idiopathic ventricular arrhythmias with patient-specific electrophysiological simulations. <i>Europace</i> , <b>2020</b> , 22, 1419-1430	3.9	4
107	Learning decision trees through Monte Carlo tree search: An empirical evaluation. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , <b>2020</b> , 10, e1348	6.9	0
106	Cardiac Magnetic Resonance-Guided Ventricular Tachycardia Substrate Ablation. <i>JACC: Clinical Electrophysiology</i> , <b>2020</b> , 6, 436-447	4.6	22
105	Fast Quasi-Conformal Regional Flattening of the Left Atrium. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2020</b> , 26, 2591-2602	4	5
104	Comparison of 2D Echocardiography and Cardiac Cine MRI in the Assessment of Regional Left Ventricular Wall Thickness. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 52-62	0.9	1
103	Deep Learning Surrogate of Computational Fluid Dynamics for Thrombus Formation Risk in the Left Atrial Appendage. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 157-166	0.9	3
102	Best (and Worst) Practices for Organizing a Challenge on Cardiac Biophysical Models During AI Summer: The CRT-EPiggy19 Challenge. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 329-341	0.9	1
101	Decision Tree Learning for Uncertain Clinical Measurements. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	2
100	Radiomics Signatures of Cardiovascular Risk Factors in Cardiac MRI: Results From the UK Biobank. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 591368	5.4	13
99	Design and Evaluation of an Antenna Applicator for a Microwave Colonoscopy System. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 4968-4977	4.9	3
98	Reproducibility and accuracy of late gadolinium enhancement cardiac magnetic resonance measurements for the detection of left atrial fibrosis in patients undergoing atrial fibrillation ablation procedures. <i>Europace</i> , <b>2019</b> , 21, 724-731	3.9	22
97	Large Scale Cardiovascular Model Personalisation for Mechanistic Analysis of Heart and Brain Interactions. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 285-293	0.9	2
96	Standard Quasi-Conformal Flattening of the Right and Left Atria. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 85-93	0.9	1

95	Breaking the state of the heart: meshless model for cardiac mechanics. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2019</b> , 18, 1549-1561	3.8	11
94	Optimization of Left Atrial Appendage Occluder Implantation Using Interactive and Modeling Tools. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 237	4.6	24
93	Centreline-Based Shape Descriptors of the Left Atrial Appendage in Relation with Thrombus Formation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 200-208	0.9	3
92	A Radiomics Approach to Analyze Cardiac Alterations in Hypertension <b>2019</b> ,		4
91	Joint Analysis of Personalized In-Silico Haemodynamics and Shape Descriptors of the Left Atrial Appendage. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 58-66	0.9	
90	Left Atrial Segmentation Combining Multi-atlas Whole Heart Labeling and Shape-Based Atlas Selection. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 302-310	0.9	3
89	A rule-based method to model myocardial fiber orientation in cardiac biventricular geometries with outflow tracts. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2019</b> , 35, e3185	2.6	41
88	Thermal impact of balloon occlusion of the coronary sinus during mitral isthmus radiofrequency ablation: an in-silico study. <i>International Journal of Hyperthermia</i> , <b>2019</b> , 36, 1168-1177	3.7	6
87	Mind the gap: Quantification of incomplete ablation patterns after pulmonary vein isolation using minimum path search. <i>Medical Image Analysis</i> , <b>2019</b> , 51, 1-12	15.4	4
86	P780Clinical evaluation of an automatic activation mapping algorithm for identifying the site of origin of idiopathic ventricular arrhythmias. <i>Europace</i> , <b>2018</b> , 20, i137-i137	3.9	
85	Image-based criteria to identify the presence of epicardial arrhythmogenic substrate in patients with transmural myocardial infarction. <i>Heart Rhythm</i> , <b>2018</b> , 15, 814-821	6.7	20
84	Learning non-linear patch embeddings with neural networks for label fusion. <i>Medical Image Analysis</i> , <b>2018</b> , 44, 143-155	15.4	12
83	A Radiomics Approach to Computer-Aided Diagnosis with Cardiac Cine-MRI. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 82-90	0.9	14
82	P457Prediction of the site of origin in outflow tract ventricular arrhythmias with electrophysiological simulations. <i>Europace</i> , <b>2018</b> , 20, i90-i90	3.9	
81	P778Slow conducting channel identification from electroanatomical maps using an automatic algorithm in patients with scar-related ventricular arrhythmias. <i>Europace</i> , <b>2018</b> , 20, i136-i137	3.9	
80	Automatic activation mapping and origin identification of idiopathic outflow tract ventricular arrhythmias. <i>Journal of Electrocardiology</i> , <b>2018</b> , 51, 239-246	1.4	1
79	The reproducibility of late gadolinium enhancement cardiovascular magnetic resonance imaging of post-ablation atrial scar: a cross-over study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 21	6.9	27
78	Sensitivity analysis of geometrical parameters to study haemodynamics and thrombus formation in the left atrial appendage. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2018</b> , 34, e3100	2.6	28

77	Preferential regional distribution of atrial fibrosis in posterior wall around left inferior pulmonary vein as identified by late gadolinium enhancement cardiac magnetic resonance in patients with atrial fibrillation. <i>Europace</i> , <b>2018</b> , 20, 1959-1965	3.9	32
76	Dielectric properties of colon polyps, cancer, and normal mucosa: Ex vivo measurements from 0.5 to 20 GHz. <i>Medical Physics</i> , <b>2018</b> , 45, 3768	4.4	13
75	A Monte Carlo Tree Search Approach to Learning Decision Trees <b>2018</b> ,		1
74	744Reproducible and semi-automatic method for the assessment of ablation gaps in LGE-CMR after RF pulmonary vein isolation. <i>Europace</i> , <b>2018</b> , 20, i124-i124	3.9	
73	Deep Learning Techniques for Automatic MRI Cardiac Multi-Structures Segmentation and Diagnosis: Is the Problem Solved?. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 2514-2525	11.7	457
72	Persistence of Cardiac Remodeling in Preadolescents With Fetal Growth Restriction. <i>Circulation: Cardiovascular Imaging</i> , <b>2017</b> , 10,	3.9	41
71	Quantitative Analysis of Electro-Anatomical Maps: Application to an Experimental Model of Left Bundle Branch Block/Cardiac Resynchronization Therapy. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2017</b> , 5, 1900215	3	9
70	Toward the automatic quantification of in utero brain development in 3D structural MRI: A review. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 2772-2787	5.9	26
69	A two dimensional electromechanical model of a cardiomyocyte to assess intra-cellular regional mechanical heterogeneities. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182915	3.7	2
68	Early Prediction of Alzheimer's Disease with Non-local Patch-Based Longitudinal Descriptors. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 74-81	0.9	1
67	Three-dimensional printing of an aortic model for transcatheter aortic valve implantation: possible clinical applications. <i>International Journal of Cardiovascular Imaging</i> , <b>2017</b> , 33, 283-285	2.5	15
66	Standardized unfold mapping: a technique to permit left atrial regional data display and analysis. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2017</b> , 50, 125-131	2.4	11
65	Estimation of Local Conduction Velocity from Myocardium Activation Time: Application to Cardiac Resynchronization Therapy. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 239-248	0.9	2
64	Smoothed Particle Hydrodynamics for Electrophysiological Modeling: An Alternative to Finite Element Methods. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 333-343	0.9	3
63	In Silico Analysis of Haemodynamics in Patient-Specific Left Atria with Different Appendage Morphologies. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 412-420	0.9	5
62	Standardised Framework to Study the Influence of Left Atrial RF Catheter Ablation Parameters on Permanent Lesion Formation. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 96-105	0.9	
61	Quasi-Conformal Technique for Integrating and Validating Myocardial Tissue Characterization in MRI with Ex-Vivo Human Histological Data. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 172-181	0.9	
60	A Rule-Based Method to Model Myocardial Fiber Orientation for Simulating Ventricular Outflow Tract Arrhythmias. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 344-353	0.9	0

59	Integration of electro-anatomical and imaging data of the left ventricle: An evaluation framework. <i>Medical Image Analysis</i> , <b>2016</b> , 32, 131-44	15.4	16
58	Analysis of Microstructure of the Cardiac Conduction System Based on Three-Dimensional Confocal Microscopy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164093	3.7	7
57	Estimation of Purkinje trees from electro-anatomical mapping of the left ventricle using minimal cost geodesics. <i>Medical Image Analysis</i> , <b>2015</b> , 24, 52-62	15.4	12
56	Standardised unfold map of the left atrium: regional definition for multimodal image analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	3
55	Statistical Atlases and Computational Models of the Heart - Imaging and Modelling Challenges. <i>Lecture Notes in Computer Science</i> , <b>2015</b> ,	0.9	2
54	Quantitative Analysis of Lead Position vs. Correction of Electrical Dyssynchrony in an Experimental Model of LBBB/CRT. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 74-82	0.9	
53	Quantification of Gaps in Ablation Lesions Around the Pulmonary Veins in Delayed Enhancement MRI. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 215-222	0.9	1
52	Fully-Coupled Electromechanical Simulations of the LV Dog Anatomy Using HPC: Model Testing and Verification. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 114-122	0.9	
51	A wavelet-based electrogram onset delineator for automatic ventricular activation mapping. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 2830-9	5	12
50	Numerical simulation of blood flow in the left ventricle and aortic sinus using magnetic resonance imaging and computational fluid dynamics. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2014</b> , 17, 740-9	2.1	25
49	A computational model of the fetal circulation to quantify blood redistribution in intrauterine growth restriction. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003667	5	33
48	Image-Based Estimation of Myocardial Acceleration Using TDDFD: A Phantom Study. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 262-270	0.9	
47	Understanding the mechanisms amenable to CRT response: from pre-operative multimodal image data to patient-specific computational models. <i>Medical and Biological Engineering and Computing</i> , <b>2013</b> , 51, 1235-50	3.1	29
46	Three-dimensional architecture of scar and conducting channels based on high resolution ce-CMR: insights for ventricular tachycardia ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2013</b> , 6, 528-37	6.4	133
45	Evaluation of Different Mapping Techniques for the Integration of Electro-Anatomical Voltage and Imaging Data of the Left Ventricle. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 391-399	0.9	2
44	Temporal diffeomorphic free-form deformation: application to motion and strain estimation from 3D echocardiography. <i>Medical Image Analysis</i> , <b>2012</b> , 16, 427-50	15.4	104
43	Relationship between endocardial activation sequences defined by high-density mapping to early septal contraction (septal flash) in patients with left bundle branch block undergoing cardiac resynchronization therapy. <i>Europace</i> , <b>2012</b> , 14, 99-106	3.9	45
42	A Multimodal Database for the 1st Cardiac Motion Analysis Challenge. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 33-44	0.9	10



41	OpenCMISS: a multi-physics & multi-scale computational infrastructure for the VPH/Physiome project. <i>Progress in Biophysics and Molecular Biology</i> , <b>2011</b> , 107, 32-47	4.7	100
40	Inter-model consistency and complementarity: learning from ex-vivo imaging and electrophysiological data towards an integrated understanding of cardiac physiology. <i>Progress in Biophysics and Molecular Biology</i> , <b>2011</b> , 107, 122-33	4.7	27
39	Fast multiscale modeling of cardiac electrophysiology including Purkinje system. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2011</b> , 58, 2956-60	5	20
38	euHeart: personalized and integrated cardiac care using patient-specific cardiovascular modelling. <i>Interface Focus</i> , <b>2011</b> , 1, 349-64	3.9	95
37	89 Electromechanical interaction in patients undergoing cardiac resynchronisation therapy: comparison of intracardiac activation maps and early septal contraction in left bundle branch block. <i>Heart</i> , <b>2011</b> , 97, A52-A52	5.1	
36	Sensitivity Analysis of Mesh Warping and Subsampling Strategies for Generating Large Scale Electrophysiological Simulation Data. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 418-426	0.9	3
35	Effect of Scar Development on Fast Electrophysiological Models of the Human Heart: In-Silico Study on Atlas-Based Virtual Populations. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 427-436	0.9	4
34	Cardiac Deformation from Electro-Anatomical Mapping Data: Application to Scar Characterization. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 47-54	0.9	2
33	Cerebral Aneurysms: A Patient-Specific and Image-Based Management Pipeline. <i>Computational Methods in Applied Sciences (Springer)</i> , <b>2011</b> , 327-349	0.4	2
32	Feasibility of estimating regional mechanical properties of cerebral aneurysms in vivo. <i>Medical Physics</i> , <b>2010</b> , 37, 1689-706	4.4	21
31	Toward integrated management of cerebral aneurysms. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2010</b> , 368, 2961-82	3	16
30	Temporal diffeomorphic free-form deformation for strain quantification in 3D-US images. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 13, 1-8	0.9	14
29	Influence of Geometric Variations on LV Activation Times: A Study on an Atlas-Based Virtual Population. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 242-251	0.9	4
28	Personalization of Fast Conduction Purkinje System in Eikonal-Based Electrophysiological Models with Optical Mapping Data. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 281-290	0.9	4
27	Atlas Construction and Image Analysis Using Statistical Cardiac Models. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 1-13	0.9	
26	Non-stationary diffeomorphic registration: application to endo-vascular treatment monitoring <b>2009</b> ,		1
25	GIMIAS: An Open Source Framework for Efficient Development of Research Tools and Clinical Prototypes. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 417-426	0.9	41
24	Cardiac Motion Estimation from Intracardiac Electrical Mapping Data: Identifying a Septal Flash in Heart Failure. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 21-29	0.9	5

23	Multi-sequence Registration of Cine, Tagged and Delay-Enhancement MRI with Shift Correction and Steerable Pyramid-Based Detagging. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 330-338	0.9	6
22	Large Diffeomorphic FFD Registration for Motion and Strain Quantification from 3D-US Sequences. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 437-446	0.9	19
21	Accuracy assessment of global and local atrophy measurement techniques with realistic simulated longitudinal Alzheimer's disease images. <i>NeuroImage</i> , <b>2008</b> , 42, 696-709	7.9	31
20	Using anatomical knowledge expressed as fuzzy constraints to segment the heart in CT images. <i>Pattern Recognition</i> , <b>2008</b> , 41, 2525-2540	7.7	20
19	Towards regional elastography of intracranial aneurysms. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 11, 131-8	0.9	7
18	Explicit incorporation of prior anatomical information into a nonrigid registration of thoracic and abdominal CT and 18-FDG whole-body emission PET images. <i>IEEE Transactions on Medical Imaging</i> , <b>2007</b> , 26, 164-78	11.7	22
17	Image Registration of Structural and Physiological MR Images of Abnormal Anatomy <b>2007</b> , 211-216		
16	Accuracy assessment of global and local atrophy measurement techniques with realistic simulated longitudinal data <b>2007</b> , 10, 785-92		4
15	Modelling Tumour Growth Patterns with Non-Rigid Image Registration <b>2007</b> , 139-144		3
14	Methods for inverting dense displacement fields: evaluation in brain image registration <b>2007</b> , 10, 900-7		14
13	Integration of fuzzy spatial relations in deformable models Application to brain MRI segmentation. <i>Pattern Recognition</i> , <b>2006</b> , 39, 1401-1414	7.7	100
12	Phenomenological model of diffuse global and regional atrophy using finite-element methods. <i>IEEE Transactions on Medical Imaging</i> , <b>2006</b> , 25, 1417-30	11.7	28
11	Generalized overlap measures for evaluation and validation in medical image analysis. <i>IEEE Transactions on Medical Imaging</i> , <b>2006</b> , 25, 1451-61	11.7	416
10	Cardiac function estimation from MRI using a heart model and data assimilation: advances and difficulties. <i>Medical Image Analysis</i> , <b>2006</b> , 10, 642-56	15.4	119
9	Generalised overlap measures for assessment of pairwise and groupwise image registration and segmentation. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 8, 99-106	0.9	22
8	Simulation of cardiac pathologies using an electromechanical biventricular model and XMR interventional imaging. <i>Medical Image Analysis</i> , <b>2005</b> , 9, 467-80	15.4	51
7	Fusion of spatial relationships for guiding recognition, example of brain structure recognition in 3D MRI. <i>Pattern Recognition Letters</i> , <b>2005</b> , 26, 449-457	4.7	28
6	CT and PET Registration Using Deformations Incorporating Tumor-Based Constraints. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 1-12	0.9	



5	Computational modeling of thoracic and abdominal anatomy using spatial relationships for image segmentation. <i>Real Time Imaging</i> , <b>2004</b> , 10, 263-273		25
4	Description of brain internal structures by means of spatial relations for MR image segmentation <b>2004</b> ,		15
3	Free Form Deformations Guided by Gradient Vector Flow: A Surface Registration Method in Thoracic and Abdominal PET-CT Applications. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 224-233	0.9	5
2	Deep Learning Techniques for Automatic MRI Cardiac Multi-Structures Segmentation and Diagnosis: Is the Problem Solved?		1
1	Evaluation of a thoracic elastic registration method using anatomical constraints in oncology		2