

# Joao Miguel Sanches

## 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.

145  
papers

1,850  
citations

24  
h-index

38  
g-index

158  
ext. papers

2,313  
ext. citations

3.2  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
145	Camera-based Photoplethysmography (cbPPG) using smartphone rear and frontal cameras: an experimental study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2021, 2021, 7091-7094</i>	0.9	0
144	A narrative review on characterization of acute respiratory distress syndrome in COVID-19-infected lungs using artificial intelligence. <i>Computers in Biology and Medicine, 2021, 130, 104210</i>	7	26
143	A single stiffened nucleus alters cell dynamics and coherence in a monolayer. <i>Cytoskeleton, 2021, 78, 277-283</i>	2.4	1
142	e-CoVig: A Novel mHealth System for Remote Monitoring of Symptoms in COVID-19. <i>Sensors, 2021, 21,</i>	3.8	7
141	A machine learning approach for single cell interphase cell cycle staging. <i>Scientific Reports, 2021, 11, 19278</i>	4.9	0
140	Error perception classification in Brain-Computer Interfaces using CNN. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2021, 2021, 204-207</i>	0.9	
139	Hereditary Gastric and Breast Cancer Syndromes Related to CDH1 Germline Mutation: A Multidisciplinary Clinical Review. <i>Cancers, 2020, 12,</i>	6.6	18
138	Integration of cardiovascular risk assessment with COVID-19 using artificial intelligence. <i>Reviews in Cardiovascular Medicine, 2020, 21, 541-560</i>	3.9	12
137	Interphase Cell Cycle Staging using Deep Learning. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2020, 2020, 1432-1435</i>	0.9	1
136	COVID-19 pathways for brain and heart injury in comorbidity patients: A role of medical imaging and artificial intelligence-based COVID severity classification: A review. <i>Computers in Biology and Medicine, 2020, 124, 103960</i>	7	44
135	Combining Deep Learning with Handcrafted Features for Cell Nuclei Segmentation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2020, 2020, 1428-1431</i>	0.9	1
134	Hereditary diffuse gastric cancer: updated clinical practice guidelines. <i>Lancet Oncology, The, 2020, 21, e386-e397</i>	21.7	95
133	State-of-the-art review on deep learning in medical imaging. <i>Frontiers in Bioscience - Landmark, 2019, 24, 392-426</i>	2.8	84
132	A Novel Graph-Based Approach for Seriation of Mouse Brain Cross-Section from Images. <i>Lecture Notes in Computer Science, 2019, 461-471</i>	0.9	
131	Wilson's disease: A new perspective review on its genetics, diagnosis and treatment. <i>Frontiers in Bioscience - Elite, 2019, 11, 166-185</i>	1.6	7
130	Segmentation of Cell Nuclei in Fluorescence Microscopy Images Using Deep Learning. <i>Lecture Notes in Computer Science, 2019, 53-64</i>	0.9	4
129	Determining transaminase activity in bacterial libraries by time-lapse imaging. <i>Chemical Communications, 2019, 55, 13538-13541</i>	5.8	2

128	E-cadherin signal sequence disruption: a novel mechanism underlying hereditary cancer. <i>Molecular Cancer</i> , <b>2018</b> , 17, 112	42.1	8
127	Geometric compensation applied to image analysis of cell populations with morphological variability: a new role for a classical concept. <i>Scientific Reports</i> , <b>2018</b> , 8, 10266	4.9	6
126	Symtosis: A liver ultrasound tissue characterization and risk stratification in optimized deep learning paradigm. <i>Computer Methods and Programs in Biomedicine</i> , <b>2018</b> , 155, 165-177	6.9	82
125	SRC inhibition prevents P-cadherin mediated signaling and function in basal-like breast cancer cells. <i>Cell Communication and Signaling</i> , <b>2018</b> , 16, 75	7.5	7
124	Targeting the PI3K Signalling as a Therapeutic Strategy in Colorectal Cancer. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1110, 35-53	3.6	12
123	Clinical and functional characterization of the CDH1 germline variant c.1679C>G in three unrelated families with hereditary diffuse gastric cancer. <i>European Journal of Human Genetics</i> , <b>2018</b> , 26, 1348-1353	5.3	7
122	Blue intensity matters for cell cycle profiling in fluorescence DAPI-stained images. <i>Laboratory Investigation</i> , <b>2017</b> , 97, 615-625	5.9	24
121	Extreme Learning Machine Framework for Risk Stratification of Fatty Liver Disease Using Ultrasound Tissue Characterization. <i>Journal of Medical Systems</i> , <b>2017</b> , 41, 152	5.1	51
120	Adaptive Order Non-Convex Lp-norm Regularization in Image Restoration. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 904, 012016	0.3	1
119	Predicting the Functional Impact of CDH1 Missense Mutations in Hereditary Diffuse Gastric Cancer. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	32
118	Capturing quantitative features of protein expression from in situ fluorescence microscopic images of cancer cell populations <b>2017</b> , 279-297		
117	Preventing E-cadherin aberrant N-glycosylation at Asn-554 improves its critical function in gastric cancer. <i>Oncogene</i> , <b>2016</b> , 35, 1619-31	9.2	78
116	Atomic force microscopy and graph analysis to study the P-cadherin/SFK mechanotransduction signalling in breast cancer cells. <i>Nanoscale</i> , <b>2016</b> , 8, 19390-19401	7.7	13
115	Automated stratification of liver disease in ultrasound: An online accurate feature classification paradigm. <i>Computer Methods and Programs in Biomedicine</i> , <b>2016</b> , 130, 118-34	6.9	107
114	Bioinformatics Applications in Life Sciences and Technologies. <i>BioMed Research International</i> , <b>2016</b> , 2016, 3603827	3	3
113	Quantification of topological features in cell meshes to explore E-cadherin dysfunction. <i>Scientific Reports</i> , <b>2016</b> , 6, 25101	4.9	15
112	Quantification of mutant E-cadherin using bioimaging analysis of in situ fluorescence microscopy. A new approach to CDH1 missense variants. <i>European Journal of Human Genetics</i> , <b>2015</b> , 23, 1072-9	5.3	25
111	A total variation recursive space-variant filter for image denoising <b>2015</b> , 40, 101-116		14

110	Blind inpainting using l0 and total variation regularization. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 2239-53	8.7	34
109	An ultrasonographic risk score for detecting symptomatic carotid atherosclerotic plaques. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2015</b> , 19, 1505-13	7.2	10
108	Image reconstruction under multiplicative speckle noise using total variation. <i>Neurocomputing</i> , <b>2015</b> , 150, 200-213	5.4	27
107	PPG Beat Reconstruction Based on Shape Models and Probabilistic Templates for Signals Acquired with Conventional Smartphones. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 595-602	0.9	0
106	Noise Decomposition Using Polynomial Approximation. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 157-164.	6.9	
105	Sleep and wakefulness state detection in nocturnal actigraphy based on movement information. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 426-34	5	29
104	An ultrasound-based computer-aided diagnosis tool for steatosis detection. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2014</b> , 18, 1397-403	7.2	6
103	Gamma mixture classifier for plaque detection in intravascular ultrasonic images. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2014</b> , 61, 44-61	3.2	24
102	Multi-Modality Atherosclerosis Imaging and Diagnosis <b>2014</b> ,		13
101	Hypnogram and sleep parameter computation from activity and cardiovascular data. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 1711-9	5	22
100	Asymptomatic carotid disease--a new tool for assessing neurological risk. <i>Echocardiography</i> , <b>2014</b> , 31, 353-61	1.5	18
99	Ultrasound Liver Surface and Textural Characterization for the Detection of Liver Cirrhosis <b>2014</b> , 145-168		2
98	Ultrasound Profile of Carotid Plaque: A New Approach Towards Stroke Prediction <b>2014</b> , 173-185		
97	A Gamma Mixture Model for IVUS Imaging <b>2014</b> , 155-171		4
96	Atherosclerotic plaque tissue characterization in 2D ultrasound longitudinal carotid scans for automated classification: a paradigm for stroke risk assessment. <i>Medical and Biological Engineering and Computing</i> , <b>2013</b> , 51, 513-23	3.1	75
95	Classification and staging of chronic liver disease from multimodal data. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2013</b> , 60, 1336-44	5	27
94	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2013</b> , 62, 392-400	5.2	34
93	Understanding symptomatology of atherosclerotic plaque by image-based tissue characterization. <i>Computer Methods and Programs in Biomedicine</i> , <b>2013</b> , 110, 66-75	6.9	51

92	E-Cadherin Radial Distribution Characterization for Mutation Detection Purposes. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 173-180	0.9	2
91	Photobleaching/photoblinking differential equation model for fluorescence microscopy imaging. <i>Microscopy and Microanalysis</i> , <b>2013</b> , 19, 1110-21	0.5	2
90	A Bayesian Approach to Perfusion Imaging Using ASL MRI. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 691-698	0.9	2
89	Detection of Carotid Plaque Symptoms Using Ultrasound Imaging. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 584-591	0.9	2
88	A Total Variation Based Reconstruction Algorithm for 3D Ultrasound. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 149-156	0.9	4
87	Scalp EEG Continuous Space ERD/ERS Quantification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 616-623	0.9	0
86	Cirrhosis Prognostic Quantification with Ultrasound: An Approximation to Model for End-Stage Liver Disease. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 551-558	0.9	2
85	Assessment of Image Quality Using a Pseudophakic Eye Model for Refractive Evaluation. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 543-550	0.9	2
84	Phase-locking factor in a motor imagery Brain-Computer Interface. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 2877-80	0.9	5
83	Data mining framework for fatty liver disease classification in ultrasound: a hybrid feature extraction paradigm. <i>Medical Physics</i> , <b>2012</b> , 39, 4255-64	4.4	82
82	Three-Dimensional Ultrasound Plaque Characterization <b>2012</b> , 203-221		1
81	Ultrasound Imaging <b>2012</b> ,		24
80	Geometric correction of deformed chromosomes for automatic Karyotyping. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 4438-41	0.9	6
79	3D femur reconstruction using a robotized ultrasound probe <b>2012</b> ,		3
78	A CAD system for atherosclerotic plaque assessment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 1008-11	0.9	7
77	Global and local detection of liver steatosis from ultrasound. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 6547-50	0.9	10
76	An actigraphy heterogeneous mixture model for sleep assessment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 2275-8	0.9	4
75	Activity Index: A Tool to Identify Active Carotid Plaques <b>2012</b> , 163-175		2

74	Classification and Staging of Chronic Liver Disease Based on Ultrasound, Laboratorial, and Clinical Data <b>2012</b> , 255-282		1
73	RF Ultrasound Estimation from B-Mode Images <b>2012</b> , 3-24		6
72	A Rayleigh Mixture Model for IVUS Imaging <b>2012</b> , 25-47		5
71	Ultrasound Speckle/Despeckle Image Decomposition for Tissue Analysis <b>2012</b> , 73-95		2
70	Challenges for non-invasive brain perfusion quantification using arterial spin labeling. <i>Neuroradiology Journal</i> , <b>2011</b> , 24, 77-83	2	1
69	Rayleigh mixture model for plaque characterization in intravascular ultrasound. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2011</b> , 58, 1314-24	5	51
68	Optimal sampling and estimation in PASL perfusion imaging. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2011</b> , 58, 3165-74	5	5
67	Convex total variation denoising of Poisson fluorescence confocal images with anisotropic filtering. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 146-60	8.7	20
66	Assessment of Obstructive Sleep Apnea Syndrome by spectral analysis of physiological parameters <b>2011</b> ,		2
65	Pattern Recognition and Image Analysis. <i>Lecture Notes in Computer Science</i> , <b>2011</b> ,	0.9	5
64	Topographic EEG brain mapping before, during and after Obstructive Sleep Apnea Episodes <b>2011</b> ,		6
63	Atheromatic vs. asymptomatic vs. asymptomatic classification of carotid ultrasound plaque using a combination of HOS, DWT & texture. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2011</b> , 2011, 4188-92	0.9	13
62	Chronic liver disease staging classification based on ultrasound, clinical and laboratorial data <b>2011</b> ,		6
61	The usefulness of ultrasound in the classification of chronic liver disease. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2011</b> , 2011, 5132-5	0.9	5
60	Diffuse Liver Disease Classification from Ultrasound Surface Characterization, Clinical and Laboratorial Data. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 167-175	0.9	9
59	Ultrasound Plaque Enhanced Activity Index for Predicting Neurological Symptoms. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 184-191	0.9	4
58	Automatic HyperParameter Estimation in fMRI. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 117-125	0.9	
57	Topographic EEG Brain Mapping before, during and after Obstructive Sleep Apnea Episodes. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 564-571	0.9	1

56	Robust band profile extraction using constrained nonparametric machine-learning technique. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2010</b> , 57, 2587-91	5	3
55	Denosing of LSFCM images with compensation for the photoblinking/photobleaching effects. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 4292-5	0.9	
54	Photoblinking/photobleaching differential equation model for intensity decay of fluorescence microscopy images <b>2010</b> ,		4
53	Automatic annotation of actigraphy data for sleep disorders diagnosis purposes. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 5081-4	0.9	1
52	ATP consumption and neural electrical activity: a physiological model for brain imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 5480-3	0.9	3
51	Ultrasonographic characterization and identification of symptomatic carotid plaques. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 6110-3	0.9	7
50	Headset Bluetooth and cell phone based continuous central body temperature measurement system. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 2975-8	0.9	3
49	Bayesian optimization of perfusion and transit time estimation in PASL-MRI. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 4284-7	0.9	1
48	Bayesian fisher information criterion for sampling optimization in ASL-MRI <b>2010</b> ,		4
47	Statistical characterization of actigraphy data during sleep and wakefulness states. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 2342-5	0.9	3
46	Classifier-assisted metric for chromosome pairing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 6729-32	0.9	4
45	Ultrasonographic plaque characterization using a rayleigh mixture model <b>2010</b> ,		5
44	On estimating de-speckled and speckle components from B-mode ultrasound images <b>2010</b> ,		12
43	A novel metric for bone marrow cells chromosome pairing. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2010</b> , 57, 1420-9	5	12
42	Fluorescence microscopy imaging denosing with log-Euclidean priors and photobleaching compensation <b>2009</b> ,		5
41	A 3-D ultrasound-based framework to characterize the echo morphology of carotid plaques. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2009</b> , 56, 1442-53	5	34
40	Fatty Liver Characterization and Classification by Ultrasound. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 354-361	0.9	18
39	Sleep/Wakefulness State from Actigraphy. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 362-369	0.9	3



38	Medical image noise reduction using the Sylvester-Lyapunov equation. <i>IEEE Transactions on Image Processing</i> , <b>2008</b> , 17, 1522-39	8.7	62
37	Chromosome pairing for karyotyping purposes using mutual information <b>2008</b> ,		3
36	Total variation with automatic hyper-parameter estimation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 443-6	0.9	1
35	Ultrasound imaging LV tracking with adaptive window size and automatic hyper-parameter estimation <b>2008</b> ,		2
34	Modeling log-compressed ultrasound images for radio frequency signal recovery. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 426-9	0.9	24
33	Denosing of medical images corrupted by Poisson noise <b>2008</b> ,		29
32	Robust brain activation detection in functional MRI <b>2008</b> ,		1
31	fMRI binary detection of brain activated regions with graph-cuts. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 4411-4	0.9	0
30	Fluorescence Confocal Microscopy imaging denoising with photobleaching. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 2205-8	0.9	4
29	Three-dimensional labeling of vulnerable regions in carotid plaques using Graph-Cuts. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 3150-3	0.9	
28	Liver tumor assessment with DCE-MRI <b>2008</b> ,		1
27	Automatic chromosome pairing using mutual information. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 1918-21	0.9	5
26	Comparison of two different approaches for brain activity detection in fMRI: SPM-MAP and SPM-GLM <b>2008</b> ,		2
25	Automatic liver tumor diagnosis with Dynamic-Contrast Enhanced MRI <b>2008</b> ,		1
24	Temporal 2D reconstruction of cell nucleus from Fluorescence Confocal Microscopy images with anisotropic filtering. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 2197-200	0.9	1
23	Joint Bayesian detection of brain activated regions and local HRF estimation in functional MRI. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , <b>2008</b> ,	1.6	1
22	Convex ultrasound image reconstruction with log-Euclidean priors. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 435-8	0.9	13
21	Pharmacokinetic Perfusion Curves Estimation for Liver Tumor Diagnosis from DCE-MRI. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 789-797	0.9	



20	Carotid plaque 3D compound imaging and echo-morphology analysis: a Bayesian approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 763-6		3
19	An unified framework for Bayesian denoising for several medical and biological imaging modalities. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 6268-71		4
18	Neural physiological modeling towards a hemodynamic response function for fMRI. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 1615-8		
17	Tracking the Left Ventricle in Ultrasound Images Based on Total Variation Denoising. <i>Lecture Notes in Computer Science, 2007</i> , 628-636	0.9	1
16	Three-Dimensional Ultrasonic Assessment of Atherosclerotic Plaques. <i>Lecture Notes in Computer Science, 2007</i> , 523-531	0.9	1
15	A method for the dynamic analysis of the heart using a Lyapounov based denoising algorithm. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 4828-31		1
14	Image Denoising Using the Lyapunov Equation from Non-uniform Samples. <i>Lecture Notes in Computer Science, 2006</i> , 351-358	0.9	4
13	Image Reconstruction using the Benford Law <b>2006</b> ,		5
12	The Papoulis-Gerchberg Algorithm with Unknown Signal Bandwidth. <i>Lecture Notes in Computer Science, 2006</i> , 436-445	0.9	3
11	Minimum total variation in 3D ultrasound reconstruction <b>2005</b> ,		5
10	MAP Signal Reconstruction with Non Regular Grids. <i>Lecture Notes in Computer Science, 2004</i> , 204-211	0.9	
9	A MAP Estimation Algorithm Using IIR Recursive Filters. <i>Lecture Notes in Computer Science, 2003</i> , 436-440	0.9	5
8	Joint image registration and volume reconstruction for 3D ultrasound. <i>Pattern Recognition Letters, 2003</i> , 24, 791-800	4.7	17
7	Compensation of log-compressed images for 3-D ultrasound. <i>Ultrasound in Medicine and Biology, 2003</i> , 29, 239-53	3.5	13
6	A 3D Ultrasound System for Medical Diagnosis. <i>Lecture Notes in Computer Science, 2003</i> , 893-901	0.9	
5	A multiscale algorithm for three-dimensional free-hand ultrasound. <i>Ultrasound in Medicine and Biology, 2002</i> , 28, 1029-40	3.5	12
4	A Fast MAP Algorithm for 3D Ultrasound. <i>Lecture Notes in Computer Science, 2001</i> , 63-74	0.9	5
3	A Rayleigh reconstruction/interpolation algorithm for 3D ultrasound. <i>Pattern Recognition Letters, 2000</i> , 21, 917-926	4.7	34

2	Estimation of cardiac phases in echographic images using multiple models	2
1	Alignment-by-reconstruction for 3D ultrasound imaging	2