Claudio Marrocco

List of Publications by Year in Descending Order

51 papers	354 citations	10 h-index	16 g-index
57 ext. papers	458 ext. citations	2.7 avg, IF	3.85 L-index

#	Paper	IF	Citations
51	Artificial intelligence for distributed smart systems. *Pattern Recognition Letters*, **2021**, 142, 48-50	4.7	5
50	Sinc-Based Convolutional Neural Networks for EEG-BCI-Based Motor Imagery Classification. *Lecture Notes in Computer Science*, **2021**, 526-535	0.9	0
49	An IoT-ready solution for automated recognition of water contaminants. *Pattern Recognition Letters*, **2020**, 135, 188-195	4.7	9
48	Addressing class imbalance in deep learning for small lesion detection on medical images. *Computers in Biology and Medicine*, **2020**, 120, 103735	7	28
47	A multi-context CNN ensemble for small lesion detection. *Artificial Intelligence in Medicine*, **2020**, 103, 101749	7.4	24
46	An end-to-end deep learning system for medieval writer identification. *Pattern Recognition Letters*, **2020**, 129, 137-143	4.7	18
45	An Experimental Comparison between Deep Learning and Classical Machine Learning Approaches for Writer Identification in Medieval Documents. *Journal of Imaging*, **2020**, 6,	3.1	5
44	Combining Convolutional Neural Networks for Multi-context Microcalcification Detection in Mammograms. *Communications in Computer and Information Science*, **2019**, 36-44	0.3	
43	A Two-Step System Based on Deep Transfer Learning for Writer Identification in Medieval Books. *Lecture Notes in Computer Science*, **2019**, 305-316	0.9	4
42	A Page-Based Reject Option for Writer Identification in Medieval Books. *Lecture Notes in Computer Science*, **2019**, 187-197	0.9	4
41	Improving the Automated Detection of Calcifications Using Adaptive Variance Stabilization. *IEEE Transactions on Medical Imaging*, **2018**, 37, 1857-1864	11.7	6
40	Mammogram denoising to improve the calcification detection performance of convolutional nets **2018**,		4
39	Improving the automated detection of calcifications by combining deep cascades and deep convolutional nets **2018**,		2
38	A deep learning framework for micro-calcification detection in 2D mammography and C-view **2018**,		5
37	Deep Transfer Learning for writer identification in medieval books **2018**,		3
36	Spatial Enhancement by Dehazing for Detection of Microcalcifications with Convolutional Nets. *Lecture Notes in Computer Science*, **2017**, 288-298	0.9	5
35	**2017**,		5

34	Illumination Correction by Dehazing for Retinal Vessel Segmentation **2017**,		12
33	Retinal Vessel Segmentation Through Denoising and Mathematical Morphology. *Lecture Notes in Computer Science*, **2017**, 267-276	0.9	1
32	An effective learning strategy for cascaded object detection. *Information Sciences*, **2016**, 340-341, 17-26	7.7	20
31	Exploiting coding theory for classification: An LDPC-based strategy for multiclass-to-binary decomposition. *Information Sciences*, **2016**, 357, 88-107	7.7	8
30	Deep Cascade Classifiers to Detect Clusters of Microcalcifications. *Lecture Notes in Computer Science*, **2016**, 415-422	0.9	6
29	LUT-QNE: Look-Up-Table Quantum Noise Equalization in Digital Mammograms. *Lecture Notes in Computer Science*, **2016**, 27-34	0.9	3
28	Optimal Sensors Placement for Flood Forecasting Modelling. *Procedia Engineering*, **2015**, 119, 927-936		9
27	Designing LDPC Codes for ECOC Classification Systems. *Lecture Notes in Computer Science*, **2014**, 454-463	0.9	
26	Automatic segmentation of the pectoral muscle in mediolateral oblique mammograms **2013**,		5
25	A Boosting-Based Approach to Refine the Segmentation of Masses in Mammography. *Lecture Notes in Computer Science*, **2013**, 572-580	0.9	2
24	Coding Theory Tools for Improving Recognition Performance in ECOC Systems. *Lecture Notes in Computer Science*, **2013**, 201-211	0.9	1
23	Cascaded Rank-Based Classifiers for Detecting Clusters of Microcalcifications. *Lecture Notes in Computer Science*, **2013**, 166-170	0.9	
22	Detection of cluster of microcalcifications based on watershed segmentation algorithm **2012**,		6
21	Detecting Clusters of Microcalcifications with a Cascade-Based Approach. *Lecture Notes in Computer Science*, **2012**, 111-118	0.9	1
20	On linear combinations of dichotomizers for maximizing the area under the ROC curve. *IEEE Transactions on Systems, Man, and Cybernetics*, **2011**, 41, 610-20		7
19	Design of reject rules for ECOC classification systems. *Pattern Recognition*, **2011**, 45, 863-863	7.7	3
18	Shaping the Error-Reject Curve of Error Correcting Output Coding Systems. *Lecture Notes in Computer Science*, **2011**, 118-127	0.9	
17	Exploring Cascade Classifiers for Detecting Clusters of Microcalcifications. *Lecture Notes in Computer Science*, **2011**, 384-392	0.9	

16	Two Stage Reject Rule for ECOC Classification Systems. *Lecture Notes in Computer Science*, **2011**, 217-226	0.9	
15	Exploiting System Knowledge to Improve ECOC Reject Rules **2010**,		2
14	A computer-aided detection system for clustered microcalcifications. *Artificial Intelligence in Medicine*, **2010**, 50, 23-32	7.4	24
13	A Linear Combination of Classifiers via Rank Margin Maximization. *Lecture Notes in Computer Science*, **2010**, 650-659	0.9	
12	Towards a Linear Combination of Dichotomizers by Margin Maximization. *Lecture Notes in Computer Science*, **2009**, 1043-1052	0.9	
11	Detection of Clusters of Microcalcifications in Mammograms: A Multi Classifier Approach **2008**,		4
10	Maximizing the area under the ROC curve by pairwise feature combination. *Pattern Recognition*, **2008**, 41, 1961-1974	7.7	60
9	Exploring Margin Maximization for Biometric Score Fusion. *Lecture Notes in Computer Science*, **2008**, 674-683	0.9	1
8	A GA-Based Feature Selection Algorithm for Remote Sensing Images. *Lecture Notes in Computer Science*, **2008**, 285-294	0.9	10
7	Embedding Reject Option in ECOC Through LDPC Codes **2007**, 333-343		3
6	Exploiting AUC for optimal linear combinations of dichotomizers. *Pattern Recognition Letters*, **2006**, 27, 900-907	4.7	14
5	AUC-Based Linear Combination of Dichotomizers. *Lecture Notes in Computer Science*, **2006**, 714-722	0.9	1
4	Estimating the ROC Curve of Linearly Combined Dichotomizers. *Lecture Notes in Computer Science*, **2005**, 778-785	0.9	1
3	Algorithms for Detecting Clusters of Microcalcifications in Mammograms. *Lecture Notes in Computer Science*, **2005**, 884-891	0.9	5
2	SVM Based Regression Schemes for Instruments Fault Accommodation in Automotive Systems. *Lecture Notes in Computer Science*, **2005**, 1117-1124	0.9	1
1	Detection of microcalcifications clusters in mammograms through TS-MRF segmentation and SVM-based classification **2004**,		14