

# Loris Nanni

## List of Publications by Citations

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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.

204  
papers

5,636  
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39  
h-index

65  
g-index

206  
ext. papers

6,706  
ext. citations

4.8  
avg, IF

6.63  
L-index

#	Paper	IF	Citations
204	Local binary patterns variants as texture descriptors for medical image analysis. <i>Artificial Intelligence in Medicine</i> , <b>2010</b> , 49, 117-25	7.4	336
203	Handcrafted vs. non-handcrafted features for computer vision classification. <i>Pattern Recognition</i> , <b>2017</b> , 71, 158-172	7.7	232
202	An improved BioHashing for human authentication. <i>Pattern Recognition</i> , <b>2007</b> , 40, 1057-1065	7.7	218
201	Survey on LBP based texture descriptors for image classification. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 3634-3641	7.8	187
200	An experimental comparison of ensemble of classifiers for bankruptcy prediction and credit scoring. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 3028-3033	7.8	170
199	Genetic programming for creating Chou's pseudo amino acid based features for submitochondria localization. <i>Amino Acids</i> , <b>2008</b> , 34, 653-60	3.5	158
198	An ensemble of K-local hyperplanes for predicting protein-protein interactions. <i>Bioinformatics</i> , <b>2006</b> , 22, 1207-10	7.2	137
197	Identifying bacterial virulent proteins by fusing a set of classifiers based on variants of Chou's pseudo amino acid composition and on evolutionary information. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2012</b> , 9, 467-75	3	135
196	Local binary patterns for a hybrid fingerprint matcher. <i>Pattern Recognition</i> , <b>2008</b> , 41, 3461-3466	7.7	131
195	Prediction of protein structure classes by incorporating different protein descriptors into general Chou's pseudo amino acid composition. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 360, 109-116	2.3	101
194	Wavelet images and Chou's pseudo amino acid composition for protein classification. <i>Amino Acids</i> , <b>2012</b> , 43, 657-65	3.5	93
193	A local approach based on a Local Binary Patterns variant texture descriptor for classifying pain states. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 7888-7894	7.8	82
192	Coupling different methods for overcoming the class imbalance problem. <i>Neurocomputing</i> , <b>2015</b> , 158, 48-61	5.4	80
191	Overview of the combination of biometric matchers. <i>Information Fusion</i> , <b>2017</b> , 33, 71-85	16.7	77
190	Hyperplanes for predicting protein-protein interactions. <i>Neurocomputing</i> , <b>2005</b> , 69, 257-263	5.4	72
189	A critic evaluation of methods for COVID-19 automatic detection from X-ray images. <i>Information Fusion</i> , <b>2021</b> , 76, 1-7	16.7	69
188	Fusion of color spaces for ear authentication. <i>Pattern Recognition</i> , <b>2009</b> , 42, 1906-1913	7.7	66

187	Different approaches for extracting information from the co-occurrence matrix. <i>PLoS ONE</i> , <b>2013</b> , 8, e83554	5.4	61
186	A multi-matcher for ear authentication. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 2219-2226	4.7	60
185	Random subspace for an improved BioHashing for face authentication. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 295-300	4.7	59
184	Experimental comparison of one-class classifiers for online signature verification. <i>Neurocomputing</i> , <b>2006</b> , 69, 869-873	5.4	58
183	Combining visual and acoustic features for music genre classification. <i>Expert Systems With Applications</i> , <b>2016</b> , 45, 108-117	7.8	56
182	Combining local, regional and global matchers for a template protected on-line signature verification system. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 3676-3684	7.8	56
181	A reliable method for cell phenotype image classification. <i>Artificial Intelligence in Medicine</i> , <b>2008</b> , 43, 87-97	7.4	56
180	Artificial intelligence techniques for embryo and oocyte classification. <i>Reproductive BioMedicine Online</i> , <b>2013</b> , 26, 42-9	4	55
179	Ensemble of Parzen window classifiers for on-line signature verification. <i>Neurocomputing</i> , <b>2005</b> , 68, 217-224	3.4	53
178	Deep learning and transfer learning features for plankton classification. <i>Ecological Informatics</i> , <b>2019</b> , 51, 33-43	4.2	52
177	Particle swarm optimization for prototype reduction. <i>Neurocomputing</i> , <b>2009</b> , 72, 1092-1097	5.4	51
176	A simple method for improving local binary patterns by considering non-uniform patterns. <i>Pattern Recognition</i> , <b>2012</b> , 45, 3844-3852	7.7	50
175	A novel local on-line signature verification system. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 559-568	4.7	49
174	High performance set of PseAAC and sequence based descriptors for protein classification. <i>Journal of Theoretical Biology</i> , <b>2010</b> , 266, 1-10	2.3	47
173	Descriptors for image-based fingerprint matchers. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 12414-12422	4.2	46
172	A clustering method for automatic biometric template selection. <i>Pattern Recognition</i> , <b>2006</b> , 39, 495-497	7.7	45
171	A novel ensemble of classifiers for protein fold recognition. <i>Neurocomputing</i> , <b>2006</b> , 69, 2434-2437	5.4	44
170	An empirical study of different approaches for protein classification. <i>Scientific World Journal</i> , <b>2014</b> , 2014, 236717	2.2	43

169	Advanced methods for two-class problem formulation for on-line signature verification. <i>Neurocomputing</i> , <b>2006</b> , 69, 854-857	5.4	42
168	Introduction to Neonatal Facial Pain Detection Using Common and Advanced Face Classification Techniques. <i>Studies in Computational Intelligence</i> , <b>2007</b> , 225-253	0.8	42
167	An ensemble of classifiers for the diagnosis of erythematous-squamous diseases. <i>Neurocomputing</i> , <b>2006</b> , 69, 842-845	5.4	41
166	Non-Binary Coding for Texture Descriptors in Sub-Cellular and Stem Cell Image Classification. <i>Current Bioinformatics</i> , <b>2013</b> , 8, 208-219	4.7	39
165	MppS: An ensemble of support vector machine based on multiple physicochemical properties of amino acids. <i>Neurocomputing</i> , <b>2006</b> , 69, 1688-1690	5.4	38
164	Combining multiple approaches for gene microarray classification. <i>Bioinformatics</i> , <b>2012</b> , 28, 1151-7	7.2	37
163	Ensemblator: An ensemble of classifiers for reliable classification of biological data. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 622-630	4.7	37
162	Weighted Sub-Gabor for face recognition. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 487-492	4.7	37
161	Fusion of classifiers for predicting protein-protein interactions. <i>Neurocomputing</i> , <b>2005</b> , 68, 289-296	5.4	35
160	A hybrid wavelet-based fingerprint matcher. <i>Pattern Recognition</i> , <b>2007</b> , 40, 3146-3151	7.7	33
159	Detector of image orientation based on Borda Count. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 180-186	4.7	33
158	A classifier ensemble approach for the missing feature problem. <i>Artificial Intelligence in Medicine</i> , <b>2012</b> , 55, 37-50	7.4	32
157	Local Ternary Patterns from Three Orthogonal Planes for human action classification. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 5125-5128	7.8	31
156	Ensemble of on-line signature matchers based on OverComplete feature generation. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 5291-5296	7.8	31
155	Empirical tests on BioHashing. <i>Neurocomputing</i> , <b>2006</b> , 69, 2390-2395	5.4	31
154	Prototype reduction techniques: A comparison among different approaches. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 11820-11828	7.8	30
153	Comparison among feature extraction methods for HIV-1 protease cleavage site prediction. <i>Pattern Recognition</i> , <b>2006</b> , 39, 711-713	7.7	30
152	A genetic approach for building different alphabets for peptide and protein classification. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 45	3.6	29

151	Combing ontologies and dipeptide composition for predicting DNA-binding proteins. <i>Amino Acids</i> , <b>2008</b> , 34, 635-41	3.5	28
150	An ensemble of support vector machines for predicting the membrane protein type directly from the amino acid sequence. <i>Amino Acids</i> , <b>2008</b> , 35, 573-80	3.5	28
149	FuzzyBagging: A novel ensemble of classifiers. <i>Pattern Recognition</i> , <b>2006</b> , 39, 488-490	7.7	28
148	A very high performing system to discriminate tissues in mammograms as benign and malignant. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 1968-1971	7.8	27
147	Two-class fingerprint matcher. <i>Pattern Recognition</i> , <b>2006</b> , 39, 714-716	7.7	27
146	Insect pest image detection and recognition based on bio-inspired methods. <i>Ecological Informatics</i> , <b>2020</b> , 57, 101089	4.2	26
145	A multi-matcher system based on knuckle-based features. <i>Neural Computing and Applications</i> , <b>2009</b> , 18, 87-91	4.8	26
144	A further step toward an optimal ensemble of classifiers for peptide classification, a case study: HIV protease. <i>Protein and Peptide Letters</i> , <b>2009</b> , 16, 163-7	1.9	26
143	RegionBoost learning for 2D+3D based face recognition. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 2063-2070	4.7	26
142	Data augmentation approaches for improving animal audio classification. <i>Ecological Informatics</i> , <b>2020</b> , 57, 101084	4.2	26
141	Using ensemble of classifiers for predicting HIV protease cleavage sites in proteins. <i>Amino Acids</i> , <b>2009</b> , 36, 409-16	3.5	25
140	An ensemble of reduced alphabets with protein encoding based on grouped weight for predicting DNA-binding proteins. <i>Amino Acids</i> , <b>2009</b> , 36, 167-75	3.5	24
139	Protein classification using texture descriptors extracted from the protein backbone image. <i>Journal of Theoretical Biology</i> , <b>2010</b> , 264, 1024-32	2.3	24
138	Wavelet decomposition tree selection for palm and face authentication. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 343-353	4.7	23
137	Multihashing, human authentication featuring biometrics data and tokenized random number: A case study FVC2004. <i>Neurocomputing</i> , <b>2005</b> , 69, 242-249	5.4	23
136	Combining multiple approaches for the early diagnosis of Alzheimer's Disease. <i>Pattern Recognition Letters</i> , <b>2016</b> , 84, 259-266	4.7	22
135	Computer vision for virus image classification. <i>Biosystems Engineering</i> , <b>2015</b> , 138, 11-22	4.8	22
134	Local phase quantization descriptor for improving shape retrieval/classification. <i>Pattern Recognition Letters</i> , <b>2012</b> , 33, 2254-2260	4.7	22

133	Combining different local binary pattern variants to boost performance. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 6209-6216	7.8	22
132	Cluster-based pattern discrimination: A novel technique for feature selection. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 682-687	4.7	22
131	Indirect immunofluorescence image classification using texture descriptors. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 2463-2471	7.8	21
130	Ensemble generation and feature selection for the identification of students with learning disabilities. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 3896-3900	7.8	21
129	Evolved feature weighting for random subspace classifier. <i>IEEE Transactions on Neural Networks</i> , <b>2008</b> , 19, 363-6		21
128	Impact of Lung Segmentation on the Diagnosis and Explanation of COVID-19 in Chest X-ray Images. <i>Sensors</i> , <b>2021</b> , 21,	3.8	21
127	Texture descriptors and voxels for the early diagnosis of Alzheimer's disease. <i>Artificial Intelligence in Medicine</i> , <b>2019</b> , 97, 19-26	7.4	20
126	Combining Face and Eye Detectors in a High- Performance Face-Detection System. <i>IEEE MultiMedia</i> , <b>2012</b> , 19, 20-27	2.1	20
125	An ensemble of support vector machines for predicting virulent proteins. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 7458-7462	7.8	20
124	Machine learning algorithms for T-cell epitopes prediction. <i>Neurocomputing</i> , <b>2006</b> , 69, 866-868	5.4	20
123	Ensemble of classifiers for protein fold recognition. <i>Neurocomputing</i> , <b>2006</b> , 69, 850-853	5.4	20
122	An efficient fingerprint verification system using integrated gabor filters and Parzen Window Classifier. <i>Neurocomputing</i> , <b>2005</b> , 68, 208-216	5.4	20
121	A set of descriptors for identifying the protein-drug interaction in cellular networking. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 359, 120-8	2.3	19
120	Heterogeneous bag-of-features for object/scene recognition. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 2171-2178	7.5	19
119	A supervised method to discriminate between impostors and genuine in biometry. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 10401-10407	7.8	19
118	Ensemble of multiple Palmprint representation. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 4485-4490	7.8	19
117	Likelihood ratio based features for a trained biometric score fusion. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 58-63	7.8	19
116	Wavelet selection for disease classification by DNA microarray data. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 990-995	7.8	19

115	How could a subcellular image, or a painting by Van Gogh, be similar to a great white shark or to a pizza?. <i>Pattern Recognition Letters</i> , <b>2017</b> , 85, 1-7	4.7	18
114	Combining biometric matchers by means of machine learning and statistical approaches. <i>Neurocomputing</i> , <b>2015</b> , 149, 526-535	5.4	17
113	Ensemble of deep learning, visual and acoustic features for music genre classification. <i>Journal of New Music Research</i> , <b>2018</b> , 47, 383-397	1.1	17
112	A comparison of methods for extracting information from the co-occurrence matrix for subcellular classification. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 7457-7467	7.8	17
111	An advanced multi-matcher method for on-line signature verification featuring global features and tokenised random numbers. <i>Neurocomputing</i> , <b>2006</b> , 69, 2402-2406	5.4	17
110	Deep learning for plankton and coral classification. <i>Applied Computing and Informatics</i> , <b>2020</b> , ahead-of-print,	4.2	17
109	Bioimage Classification with Handcrafted and Learned Features. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2018</b> ,	3	17
108	Ensemble of convolutional neural networks trained with different activation functions. <i>Expert Systems With Applications</i> , <b>2021</b> , 166, 114048	7.8	17
107	Ensemble of convolutional neural networks to improve animal audio classification. <i>Eurasip Journal on Audio, Speech, and Music Processing</i> , <b>2020</b> , 2020,	2.3	16
106	An empirical study on the matrix-based protein representations and their combination with sequence-based approaches. <i>Amino Acids</i> , <b>2013</b> , 44, 887-901	3.5	16
105	Ensemble of texture descriptors and classifiers for face recognition. <i>Applied Computing and Informatics</i> , <b>2017</b> , 13, 79-91	4.2	15
104	Effective and precise face detection based on color and depth data. <i>Applied Computing and Informatics</i> , <b>2014</b> , 10, 1-13	4.2	15
103	Toward a General-Purpose Heterogeneous Ensemble for Pattern Classification. <i>Computational Intelligence and Neuroscience</i> , <b>2015</b> , 2015, 909123	3	15
102	A new encoding technique for peptide classification. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 3185-3198	7.8	15
101	Fusion of systems for automated cell phenotype image classification. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 1556-1562	7.8	15
100	Machine learning for HIV-1 protease cleavage site prediction. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 1537-1544	4.7	15
99	Comparison of Transfer Learning and Conventional Machine Learning Applied to Structural Brain MRI for the Early Diagnosis and Prognosis of Alzheimer's Disease. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 576194	4.1	15
98	Ensemble based on static classifier selection for automated diagnosis of Mild Cognitive Impairment. <i>Journal of Neuroscience Methods</i> , <b>2018</b> , 302, 42-46	3	15

97	Improving the descriptors extracted from the co-occurrence matrix using preprocessing approaches. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 8989-9000	7.8	14
96	Stochastic Selection of Activation Layers for Convolutional Neural Networks. <i>Sensors</i> , <b>2020</b> , 20,	3.8	14
95	An ensemble of classifiers based on different texture descriptors for texture classification. <i>Journal of King Saud University - Science</i> , <b>2013</b> , 25, 235-244	3.6	14
94	A genetic encoding approach for learning methods for combining classifiers. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 7510-7514	7.8	14
93	Reduced Reward-punishment editing for building ensembles of classifiers. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 2395-2400	7.8	14
92	An enhanced subspace method for face recognition. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 76-84	4.7	14
91	Combining Multiple Matchers for Fingerprint Verification: A Case Study in FVC2004. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 1035-1042	0.9	14
90	Matrix representation in pattern classification. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 3031-3036	7.8	13
89	Ensemble of texture descriptors for face recognition obtained by varying feature transforms and preprocessing approaches. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 61, 8-16	7.5	13
88	Double committee adaboost. <i>Journal of King Saud University - Science</i> , <b>2013</b> , 25, 29-37	3.6	13
87	An Ensemble of Convolutional Neural Networks for Audio Classification. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5796	2.6	13
86	An advanced multi-modal method for human authentication featuring biometrics data and tokenised random numbers. <i>Neurocomputing</i> , <b>2006</b> , 69, 1706-1710	5.4	12
85	Texture Descriptors Ensembles Enable Image-Based Classification of Maturation of Human Stem Cell-Derived Retinal Pigmented Epithelium. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149399	3.7	12
84	Multi-label classifier based on histogram of gradients for predicting the anatomical therapeutic chemical class/classes of a given compound. <i>Bioinformatics</i> , <b>2017</b> , 33, 2837-2841	7.2	11
83	Combination of projectors, standard texture descriptors and bag of features for classifying images. <i>Neurocomputing</i> , <b>2016</b> , 173, 1602-1614	5.4	11
82	Random interest regions for object recognition based on texture descriptors and bag of features. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 973-977	7.8	11
81	Particle swarm optimization for ensembling generation for evidential k-nearest-neighbour classifier. <i>Neural Computing and Applications</i> , <b>2009</b> , 18, 105-108	4.8	11
80	Over-complete feature generation and feature selection for biometry. <i>Expert Systems With Applications</i> , <b>2008</b> , 35, 2049-2055	7.8	11



79	Convolutional Neural Networks for ATC Classification. <i>Current Pharmaceutical Design</i> , <b>2018</b> , 24, 4007-4013	3.2	11
78	Novel features for automated cell phenotype image classification. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 680, 207-13	3.6	11
77	Ensemble of Local Phase Quantization Variants with Ternary Encoding. <i>Studies in Computational Intelligence</i> , <b>2014</b> , 177-188	0.8	10
76	Data pre-processing through reward/punishment editing. <i>Pattern Analysis and Applications</i> , <b>2010</b> , 13, 367-381	2.3	10
75	Advanced methods for two-class pattern recognition problem formulation for minutiae-based fingerprint verification. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 142-148	4.7	10
74	Human authentication featuring signatures and tokenised random numbers. <i>Neurocomputing</i> , <b>2006</b> , 69, 858-861	5.4	10
73	An experimental comparison of ensemble of classifiers for biometric data. <i>Neurocomputing</i> , <b>2006</b> , 69, 1670-1673	5.4	10
72	Deep Learning and Handcrafted Features for Virus Image Classification. <i>Journal of Imaging</i> , <b>2020</b> , 6,	3.1	10
71	Ensemble of different approaches for a reliable person re-identification system. <i>Applied Computing and Informatics</i> , <b>2016</b> , 12, 142-153	4.2	9
70	An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors. <i>Expert Systems With Applications</i> , <b>2017</b> , 82, 27-39	7.8	9
69	Fair comparison of skin detection approaches on publicly available datasets. <i>Expert Systems With Applications</i> , <b>2020</b> , 160, 113677	7.8	9
68	Multilayer descriptors for medical image classification. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 72, 239-47	4.7	9
67	Fusion of classifiers for illumination robust face recognition. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 8946-8954	7.8	9
66	A reliable method for HIV-1 protease cleavage site prediction. <i>Neurocomputing</i> , <b>2006</b> , 69, 838-841	5.4	9
65	Combination of different fingerprint systems: a case study FVC2004. <i>Sensor Review</i> , <b>2006</b> , 26, 51-57	1.4	9
64	Set of approaches based on 3D structure and position specific-scoring matrix for predicting DNA-binding proteins. <i>Bioinformatics</i> , <b>2019</b> , 35, 1844-1851	7.2	9
63	iProStruct2D: Identifying protein structural classes by deep learning via 2D representations. <i>Expert Systems With Applications</i> , <b>2020</b> , 142, 113019	7.8	9
62	Introduction to Local Binary Patterns: New Variants and Applications. <i>Studies in Computational Intelligence</i> , <b>2014</b> , 1-13	0.8	8

61	Protein classification combining surface analysis and primary structure. <i>Protein Engineering, Design and Selection</i> , <b>2009</b> , 22, 267-72	1.9	8
60	On selecting Gabor features for biometric authentication. <i>International Journal of Computer Applications in Technology</i> , <b>2009</b> , 35, 23	0.7	8
59	Predicting trait impressions of faces using local face recognition techniques. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 5086-5093	7.8	8
58	Orthogonal linear discriminant analysis and feature selection for micro-array data classification. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 7132-7137	7.8	8
57	Identifying splice-junction sequences by hierarchical multiclassifier. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 1390-1396	4.7	8
56	Fabric defect detection based on completed local quartet patterns and majority decision algorithm. <i>Expert Systems With Applications</i> , <b>2022</b> , 198, 116827	7.8	8
55	A thermographic visual inspection system for crack detection in metal parts exploiting a robotic workcell. <i>Robotics and Autonomous Systems</i> , <b>2015</b> , 74, 351-359	3.5	7
54	Spectrogram Classification Using Dissimilarity Space. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4176	2.6	7
53	Bird and whale species identification using sound images. <i>IET Computer Vision</i> , <b>2018</b> , 12, 178-184	1.4	7
52	Artificial intelligence systems based on texture descriptors for vaccine development. <i>Amino Acids</i> , <b>2011</b> , 40, 443-51	3.5	7
51	A deformation-invariant image-based fingerprint verification system. <i>Neurocomputing</i> , <b>2006</b> , 69, 2336-2339	3.4	7
50	Data Augmentation for Building an Ensemble of Convolutional Neural Networks. <i>Smart Innovation, Systems and Technologies</i> , <b>2019</b> , 61-69	0.5	6
49	Advanced machine learning techniques for microarray spot quality classification. <i>Neural Computing and Applications</i> , <b>2010</b> , 19, 471-475	4.8	6
48	Generalized Needleman-Wunsch algorithm for the recognition of T-cell epitopes. <i>Expert Systems With Applications</i> , <b>2008</b> , 35, 1463-1467	7.8	6
47	A multi-modal method based on the competitors of FVC2004 and on palm data combined with tokenised random numbers. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 1344-1350	4.7	6
46	A reliable method for designing an automatic karyotyping system. <i>Neurocomputing</i> , <b>2006</b> , 69, 1739-1742	5.4	6
45	Fusion of classifiers for protein fold recognition. <i>Neurocomputing</i> , <b>2005</b> , 68, 315-321	5.4	6
44	Learning morphological operators for skin detection. <i>Journal of Artificial Intelligence and Systems</i> , <b>2019</b> , 1, 60-76	3.3	6

43	Ensemble of shape descriptors for shape retrieval and classification. <i>International Journal of Advanced Intelligence Paradigms</i> , <b>2014</b> , 6, 136	0.5	5
42	Coding of amino acids by texture descriptors. <i>Artificial Intelligence in Medicine</i> , <b>2010</b> , 48, 43-50	7.4	5
41	A multi-expert approach for wavelet-based face detection. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 1541-1547	4.7	5
40	Comparison of Different Image Data Augmentation Approaches.. <i>Journal of Imaging</i> , <b>2021</b> , 7,	3.1	5
39	High performing ensemble of convolutional neural networks for insect pest image detection. <i>Ecological Informatics</i> , <b>2022</b> , 67, 101515	4.2	5
38	Animal Sound Classification Using Dissimilarity Spaces. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8578	2.6	5
37	Deep Features for Training Support Vector Machines. <i>Journal of Imaging</i> , <b>2021</b> , 7,	3.1	5
36	Multi-resolution subspace for financial trading. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 109-115	4.7	4
35	Random Bands: A novel ensemble for fingerprint matching. <i>Neurocomputing</i> , <b>2006</b> , 69, 1702-1705	5.4	4
34	The Computerization of Archaeology: Survey on Artificial Intelligence Techniques. <i>SN Computer Science</i> , <b>2020</b> , 1, 1	2	4
33	Face Detection Ensemble with Methods Using Depth Information to Filter False Positives. <i>Sensors</i> , <b>2019</b> , 19,	3.8	4
32	Heterogeneous machine learning system for improving the diagnosis of primary aldosteronism. <i>Pattern Recognition Letters</i> , <b>2015</b> , 65, 124-130	4.7	3
31	Ensemble of different local descriptors, codebook generation methods and subwindow configurations for building a reliable computer vision system. <i>Journal of King Saud University - Science</i> , <b>2014</b> , 26, 89-100	3.6	3
30	Machine learning multi-classifiers for peptide classification. <i>Neural Computing and Applications</i> , <b>2009</b> , 18, 185-192	4.8	3
29	Texture descriptors for generic pattern classification problems. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 9340-9345	7.8	3
28	A novel method for fingerprint verification that approaches the problem as a two-class pattern recognition problem. <i>Neurocomputing</i> , <b>2006</b> , 69, 846-849	5.4	3
27	Ensembles of dense and dense sampling descriptors for the HEp-2 cells classification problem. <i>Pattern Recognition Letters</i> , <b>2016</b> , 82, 28-35	4.7	3
26	Texture descriptors for representing feature vectors. <i>Expert Systems With Applications</i> , <b>2019</b> , 122, 163-172	7.2	3

25	Experiments of Image Classification Using Dissimilarity Spaces Built with Siamese Networks. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
24	Weighted Reward Punishment Editing. <i>Pattern Recognition Letters</i> , <b>2016</b> , 75, 48-54	4.7	2
23	Classifier Ensemble Methods <b>2015</b> , 1-12		2
22	Genetic nearest feature plane. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 838-843	7.8	2
21	Input Decimated Ensemble based on Neighborhood Preserving Embedding for spectrogram classification. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 11257-11261	7.8	2
20	A user dependent multi-resolution approach for biometric data. <i>International Journal of Information Technology and Management</i> , <b>2012</b> , 11, 112	0.2	2
19	Image orientation detection by ensembles of Stochastic CNNs. <i>Machine Learning With Applications</i> , <b>2021</b> , 6, 100090	6.5	2
18	Cluster-Based Nearest-Neighbour Classifier and Its Application on the Lightning Classification. <i>Journal of Computer Science and Technology</i> , <b>2008</b> , 23, 573-581	1.7	1
17	A reliable method for the diagnosis of gastric carcinoma. <i>Neurocomputing</i> , <b>2006</b> , 69, 862-865	5.4	1
16	Ensemble of Neural Networks for Automated Cell Phenotype Image Classification. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 234-259	0.4	1
15	Anatomical Therapeutic Chemical Classification (ATC) With Multi-Label Learners and Deep Features. <i>International Journal of Natural Computing Research</i> , <b>2020</b> , 9, 16-29	0.6	1
14	Robust ensemble of handcrafted and learned approaches for DNA-binding proteins. <i>Applied Computing and Informatics</i> , <b>2021</b> , ahead-of-print,	4.2	1
13	Postprocessing for Skin Detection. <i>Journal of Imaging</i> , <b>2021</b> , 7, 95	3.1	1
12	An Empirical Study on Ensemble of Segmentation Approaches. <i>Signals</i> , <b>2022</b> , 3, 341-358	1.2	1
11	Ensemble of Handcrafted and Deep Learned Features for Cervical Cell Classification. <i>Intelligent Systems Reference Library</i> , <b>2020</b> , 117-135	0.8	0
10	Ensemble of Deep Learning Approaches for ATC Classification. <i>Smart Innovation, Systems and Technologies</i> , <b>2020</b> , 117-125	0.5	0
9	An approach for improving face recognition in presence of inaccurate detection. <i>Neurocomputing</i> , <b>2006</b> , 69, 1678-1682	5.4	
8	Comparisons among different stochastic selections of activation layers for convolutional neural networks for health care <b>2022</b> , 151-164		

- 7 Digital Recognition of Breast Cancer Using TakhisisNet. *Advances in Medical Technologies and Clinical Practice Book Series*, **2020**, 151-169 0.3
- 6 Deep Ensembles Based on Stochastic Activations for Semantic Segmentation. *Signals*, **2021**, 2, 820-833 1.2
- 5 Convolutional Neural Networks for 3D Protein Classification. *Intelligent Systems Reference Library*, **2020**, 237-250 0.8
- 4 Ensemble of Neural Networks for Automated Cell Phenotype Image Classification **2012**, 793-816
- 3 Heterogeneous Ensemble of Classifiers for Sub-Cellular Image Classification Based on Local Ternary Patterns. *Studies in Computational Intelligence*, **2014**, 131-148 0.8
- 2 On the Importance of Passive Acoustic Monitoring Filters. *Journal of Marine Science and Engineering*, **2021**, 9, 685 2.4
- 1 Pushing the Limits Against the No Free Lunch Theorem: Towards Building General-Purpose (GenP) Classification Systems. *Learning and Analytics in Intelligent Systems*, **2022**, 77-102 0.3