

Loris Nanni

List of Publications by Year in descending order

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Version: 2024-02-01

204
papers

7,644
citations

61857

43
h-index

71532

76
g-index

206
all docs

206
docs citations

206
times ranked

5834
citing authors

#	ARTICLE	IF	CITATIONS
1	Local binary patterns variants as texture descriptors for medical image analysis. <i>Artificial Intelligence in Medicine</i> , 2010, 49, 117-125.	3.8	419
2	Handcrafted vs. non-handcrafted features for computer vision classification. <i>Pattern Recognition</i> , 2017, 71, 158-172.	5.1	380
3	An improved BioHashing for human authentication. <i>Pattern Recognition</i> , 2007, 40, 1057-1065.	5.1	275
4	Survey on LBP based texture descriptors for image classification. <i>Expert Systems With Applications</i> , 2012, 39, 3634-3641.	4.4	230
5	An experimental comparison of ensemble of classifiers for bankruptcy prediction and credit scoring. <i>Expert Systems With Applications</i> , 2009, 36, 3028-3033.	4.4	228
6	Genetic programming for creating Chou's pseudo amino acid based features for submitochondria localization. <i>Amino Acids</i> , 2008, 34, 653-660.	1.2	178
7	Local binary patterns for a hybrid fingerprint matcher. <i>Pattern Recognition</i> , 2008, 41, 3461-3466.	5.1	176
8	An ensemble of K-local hyperplanes for predicting protein-protein interactions. <i>Bioinformatics</i> , 2006, 22, 1207-1210.	1.8	157
9	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> , 2012, 9, 467-475.	1.9	156
10	A critic evaluation of methods for COVID-19 automatic detection from X-ray images. <i>Information Fusion</i> , 2021, 76, 1-7.	11.7	131
11	Wavelet images and Chou's pseudo amino acid composition for protein classification. <i>Amino Acids</i> , 2012, 43, 657-665.	1.2	117
12	Deep learning and transfer learning features for plankton classification. <i>Ecological Informatics</i> , 2019, 51, 33-43.	2.3	117
13	Prediction of protein structure classes by incorporating different protein descriptors into general Chou's pseudo amino acid composition. <i>Journal of Theoretical Biology</i> , 2014, 360, 109-116.	0.8	111
14	Overview of the combination of biometric matchers. <i>Information Fusion</i> , 2017, 33, 71-85.	11.7	106
15	Coupling different methods for overcoming the class imbalance problem. <i>Neurocomputing</i> , 2015, 158, 48-61.	3.5	105
16	A local approach based on a Local Binary Patterns variant texture descriptor for classifying pain states. <i>Expert Systems With Applications</i> , 2010, 37, 7888-7894.	4.4	102
17	Artificial intelligence techniques for embryo and oocyte classification. <i>Reproductive BioMedicine Online</i> , 2013, 26, 42-49.	1.1	95
18	Impact of Lung Segmentation on the Diagnosis and Explanation of COVID-19 in Chest X-ray Images. <i>Sensors</i> , 2021, 21, 7116.	2.1	89

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19	Combining visual and acoustic features for music genre classification. Expert Systems With Applications, 2016, 45, 108-117.	4.4	87
20	Data augmentation approaches for improving animal audio classification. Ecological Informatics, 2020, 57, 101084.	2.3	87
21	Hyperplanes for predicting protein-protein interactions. Neurocomputing, 2005, 69, 257-263.	3.5	85
22	Fusion of color spaces for ear authentication. Pattern Recognition, 2009, 42, 1906-1913.	5.1	76
23	Different Approaches for Extracting Information from the Co-Occurrence Matrix. PLoS ONE, 2013, 8, e83554.	1.1	76
24	Insect pest image detection and recognition based on bio-inspired methods. Ecological Informatics, 2020, 57, 101089.	2.3	74
25	A multi-matcher for ear authentication. Pattern Recognition Letters, 2007, 28, 2219-2226.	2.6	73
26	Random subspace for an improved BioHashing for face authentication. Pattern Recognition Letters, 2008, 29, 295-300.	2.6	68
27	Experimental comparison of one-class classifiers for online signature verification. Neurocomputing, 2006, 69, 869-873.	3.5	67
28	Combining local, regional and global matchers for a template protected on-line signature verification system. Expert Systems With Applications, 2010, 37, 3676-3684.	4.4	67
29	Particle swarm optimization for prototype reduction. Neurocomputing, 2009, 72, 1092-1097.	3.5	63
30	A novel local on-line signature verification system. Pattern Recognition Letters, 2008, 29, 559-568.	2.6	60
31	A reliable method for cell phenotype image classification. Artificial Intelligence in Medicine, 2008, 43, 87-97.	3.8	60
32	Descriptors for image-based fingerprint matchers. Expert Systems With Applications, 2009, 36, 12414-12422.	4.4	60
33	Introduction to Neonatal Facial Pain Detection Using Common and Advanced Face Classification Techniques. Studies in Computational Intelligence, 2007, , 225-253.	0.7	59
34	Ensemble of Parzen window classifiers for on-line signature verification. Neurocomputing, 2005, 68, 217-224.	3.5	57
35	High performance set of PseAAC and sequence based descriptors for protein classification. Journal of Theoretical Biology, 2010, 266, 1-10.	0.8	57
36	A simple method for improving local binary patterns by considering non-uniform patterns. Pattern Recognition, 2012, 45, 3844-3852.	5.1	56

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37	An Ensemble of Convolutional Neural Networks for Audio Classification. Applied Sciences (Switzerland), 2021, 11, 5796.	1.3	54
38	A clustering method for automatic biometric template selection. Pattern Recognition, 2006, 39, 495-497.	5.1	53
39	An Empirical Study of Different Approaches for Protein Classification. Scientific World Journal, The, 2014, 2014, 1-17.	0.8	53
40	A novel ensemble of classifiers for protein fold recognition. Neurocomputing, 2006, 69, 2434-2437.	3.5	52
41	An ensemble of classifiers for the diagnosis of erythemato-squamous diseases. Neurocomputing, 2006, 69, 842-845.	3.5	51
42	Weighted Sub-Gabor for face recognition. Pattern Recognition Letters, 2007, 28, 487-492.	2.6	50
43	Advanced methods for two-class problem formulation for on-line signature verification. Neurocomputing, 2006, 69, 854-857.	3.5	48
44	High performing ensemble of convolutional neural networks for insect pest image detection. Ecological Informatics, 2022, 67, 101515.	2.3	45
45	Deep learning for plankton and coral classification. Applied Computing and Informatics, 2023, 19, 265-283.	3.7	43
46	Comparison of Transfer Learning and Conventional Machine Learning Applied to Structural Brain MRI for the Early Diagnosis and Prognosis of Alzheimer's Disease. Frontiers in Neurology, 2020, 11, 576194.	1.1	43
47	Fusion of classifiers for predicting protein-protein interactions. Neurocomputing, 2005, 68, 289-296.	3.5	42
48	Ensemblator: An ensemble of classifiers for reliable classification of biological data. Pattern Recognition Letters, 2007, 28, 622-630.	2.6	42
49	Combining multiple approaches for gene microarray classification. Bioinformatics, 2012, 28, 1151-1157.	1.8	42
50	Ensemble of convolutional neural networks trained with different activation functions. Expert Systems With Applications, 2021, 166, 114048.	4.4	42
51	Fabric defect detection based on completed local quartet patterns and majority decision algorithm. Expert Systems With Applications, 2022, 198, 116827.	4.4	42
52	MppS: An ensemble of support vector machine based on multiple physicochemical properties of amino acids. Neurocomputing, 2006, 69, 1688-1690.	3.5	41
53	Empirical tests on BioHashing. Neurocomputing, 2006, 69, 2390-2395.	3.5	40
54	A classifier ensemble approach for the missing feature problem. Artificial Intelligence in Medicine, 2012, 55, 37-50.	3.8	40

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55	Non-Binary Coding for Texture Descriptors in Sub-Cellular and Stem Cell Image Classification. <i>Current Bioinformatics</i> , 2013, 8, 208-219.	0.7	40
56	Detector of image orientation based on Borda Count. <i>Pattern Recognition Letters</i> , 2006, 27, 180-186.	2.6	39
57	A hybrid wavelet-based fingerprint matcher. <i>Pattern Recognition</i> , 2007, 40, 3146-3151.	5.1	38
58	Local Ternary Patterns from Three Orthogonal Planes for human action classification. <i>Expert Systems With Applications</i> , 2011, 38, 5125-5128.	4.4	38
59	Ensemble of convolutional neural networks to improve animal audio classification. <i>Eurasip Journal on Audio, Speech, and Music Processing</i> , 2020, 2020, .	1.3	38
60	Comparison among feature extraction methods for HIV-1 protease cleavage site prediction. <i>Pattern Recognition</i> , 2006, 39, 711-713.	5.1	36
61	Using ensemble of classifiers for predicting HIV protease cleavage sites in proteins. <i>Amino Acids</i> , 2009, 36, 409-416.	1.2	36
62	Prototype reduction techniques: A comparison among different approaches. <i>Expert Systems With Applications</i> , 2011, 38, 11820-11828.	4.4	35
63	A genetic approach for building different alphabets for peptide and protein classification. <i>BMC Bioinformatics</i> , 2008, 9, 45.	1.2	34
64	A multi-matcher system based on knuckle-based features. <i>Neural Computing and Applications</i> , 2009, 18, 87-91.	3.2	34
65	Texture descriptors and voxels for the early diagnosis of Alzheimer's disease. <i>Artificial Intelligence in Medicine</i> , 2019, 97, 19-26.	3.8	34
66	An ensemble of support vector machines for predicting the membrane protein type directly from the amino acid sequence. <i>Amino Acids</i> , 2008, 35, 573-580.	1.2	33
67	Two-class fingerprint matcher. <i>Pattern Recognition</i> , 2006, 39, 714-716.	5.1	32
68	Combing ontologies and dipeptide composition for predicting DNA-binding proteins. <i>Amino Acids</i> , 2008, 34, 635-641.	1.2	31
69	Ensemble of on-line signature matchers based on OverComplete feature generation. <i>Expert Systems With Applications</i> , 2009, 36, 5291-5296.	4.4	31
70	A Further Step Toward an Optimal Ensemble of Classifiers for Peptide Classification, a Case Study: HIV Protease. <i>Protein and Peptide Letters</i> , 2009, 16, 163-167.	0.4	31
71	A very high performing system to discriminate tissues in mammograms as benign and malignant. <i>Expert Systems With Applications</i> , 2012, 39, 1968-1971.	4.4	31
72	Combining multiple approaches for the early diagnosis of Alzheimer's Disease. <i>Pattern Recognition Letters</i> , 2016, 84, 259-266.	2.6	31

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73	Ensemble of deep learning, visual and acoustic features for music genre classification. Journal of New Music Research, 2018, 47, 383-397.	0.6	31
74	Comparison of Different Image Data Augmentation Approaches. Journal of Imaging, 2021, 7, 254.	1.7	30
75	FuzzyBagging: A novel ensemble of classifiers. Pattern Recognition, 2006, 39, 488-490.	5.1	29
76	RegionBoost learning for 2D+3D based face recognition. Pattern Recognition Letters, 2007, 28, 2063-2070.	2.6	29
77	Computer vision for virus image classification. Biosystems Engineering, 2015, 138, 11-22.	1.9	29
78	Bioimage Classification with Handcrafted and Learned Features. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 874-885.	1.9	29
79	Convolutional Neural Networks for ATC Classification. Current Pharmaceutical Design, 2019, 24, 4007-4012.	0.9	29
80	Wavelet decomposition tree selection for palm and face authentication. Pattern Recognition Letters, 2008, 29, 343-353.	2.6	27
81	Heterogeneous bag-of-features for object/scene recognition. Applied Soft Computing Journal, 2013, 13, 2171-2178.	4.1	27
82	Indirect immunofluorescence image classification using texture descriptors. Expert Systems With Applications, 2014, 41, 2463-2471.	4.4	27
83	Ensemble based on static classifier selection for automated diagnosis of Mild Cognitive Impairment. Journal of Neuroscience Methods, 2018, 302, 42-46.	1.3	27
84	Learning morphological operators for skin detection. Journal of Artificial Intelligence and Systems, 2019, 1, 60-76.	0.7	27
85	Ensemble generation and feature selection for the identification of students with learning disabilities. Expert Systems With Applications, 2009, 36, 3896-3900.	4.4	26
86	Combining different local binary pattern variants to boost performance. Expert Systems With Applications, 2011, 38, 6209-6216.	4.4	26
87	Cluster-based pattern discrimination: A novel technique for feature selection. Pattern Recognition Letters, 2006, 27, 682-687.	2.6	25
88	Ensemble of multiple Palmprint representation. Expert Systems With Applications, 2009, 36, 4485-4490.	4.4	25
89	Likelihood ratio based features for a trained biometric score fusion. Expert Systems With Applications, 2011, 38, 58-63.	4.4	25
90	Wavelet selection for disease classification by DNA microarray data. Expert Systems With Applications, 2011, 38, 990-995.	4.4	25

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91	Local phase quantization descriptor for improving shape retrieval/classification. Pattern Recognition Letters, 2012, 33, 2254-2260.	2.6	25
92	Deep Learning and Handcrafted Features for Virus Image Classification. Journal of Imaging, 2020, 6, 143.	1.7	25
93	Multihashing, human authentication featuring biometrics data and tokenized random number: A case study FVC2004. Neurocomputing, 2005, 69, 242-249.	3.5	24
94	Ensemble of classifiers for protein fold recognition. Neurocomputing, 2006, 69, 850-853.	3.5	24
95	Evolved Feature Weighting for Random Subspace Classifier. IEEE Transactions on Neural Networks, 2008, 19, 363-366.	4.8	24
96	An ensemble of reduced alphabets with protein encoding based on grouped weight for predicting DNA-binding proteins. Amino Acids, 2009, 36, 167-175.	1.2	24
97	Protein classification using texture descriptors extracted from the protein backbone image. Journal of Theoretical Biology, 2010, 264, 1024-1032.	0.8	24
98	Combining Face and Eye Detectors in a High- Performance Face-Detection System. IEEE MultiMedia, 2012, 19, 20-27.	1.5	24
99	Effective and precise face detection based on color and depth data. Applied Computing and Informatics, 2014, 10, 1-13.	3.7	24
100	Stochastic Selection of Activation Layers for Convolutional Neural Networks. Sensors, 2020, 20, 1626.	2.1	24
101	An ensemble of support vector machines for predicting virulent proteins. Expert Systems With Applications, 2009, 36, 7458-7462.	4.4	23
102	A set of descriptors for identifying the protein-drug interaction in cellular networking. Journal of Theoretical Biology, 2014, 359, 120-128.	0.8	22
103	Multi-label classifier based on histogram of gradients for predicting the anatomical therapeutic chemical class/classes of a given compound. Bioinformatics, 2017, 33, 2837-2841.	1.8	22
104	Fair comparison of skin detection approaches on publicly available datasets. Expert Systems With Applications, 2020, 160, 113677.	4.4	22
105	An efficient fingerprint verification system using integrated gabor filters and Parzen Window Classifier. Neurocomputing, 2005, 68, 208-216.	3.5	21
106	Machine learning algorithms for T-cell epitopes prediction. Neurocomputing, 2006, 69, 866-868.	3.5	21
107	An advanced multi-matcher method for on-line signature verification featuring global features and tokenised random numbers. Neurocomputing, 2006, 69, 2402-2406.	3.5	21
108	A supervised method to discriminate between impostors and genuine in biometry. Expert Systems With Applications, 2009, 36, 10401-10407.	4.4	21

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109	A new encoding technique for peptide classification. <i>Expert Systems With Applications</i> , 2011, 38, 3185-3191.	4.4	21
110	Toward a General-Purpose Heterogeneous Ensemble for Pattern Classification. <i>Computational Intelligence and Neuroscience</i> , 2015, 2015, 1-10.	1.1	21
111	Combining biometric matchers by means of machine learning and statistical approaches. <i>Neurocomputing</i> , 2015, 149, 526-535.	3.5	21
112	Ensemble of texture descriptors and classifiers for face recognition. <i>Applied Computing and Informatics</i> , 2017, 13, 79-91.	3.7	21
113	An empirical study on the matrix-based protein representations and their combination with sequence-based approaches. <i>Amino Acids</i> , 2013, 44, 887-901.	1.2	20
114	A comparison of methods for extracting information from the co-occurrence matrix for subcellular classification. <i>Expert Systems With Applications</i> , 2013, 40, 7457-7467.	4.4	20
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> , 2017, 85, 1-7.	2.6	20
116	Spectrogram Classification Using Dissimilarity Space. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4176.	1.3	20
117	Combining Multiple Matchers for Fingerprint Verification: A Case Study in FVC2004. <i>Lecture Notes in Computer Science</i> , 2005, , 1035-1042.	1.0	19
118	Machine learning for HIV-1 protease cleavage site prediction. <i>Pattern Recognition Letters</i> , 2006, 27, 1537-1544.	2.6	18
119	Fusion of systems for automated cell phenotype image classification. <i>Expert Systems With Applications</i> , 2010, 37, 1556-1562.	4.4	17
120	An ensemble of classifiers based on different texture descriptors for texture classification. <i>Journal of King Saud University - Science</i> , 2013, 25, 235-244.	1.6	17
121	Ensemble of texture descriptors for face recognition obtained by varying feature transforms and preprocessing approaches. <i>Applied Soft Computing Journal</i> , 2017, 61, 8-16.	4.1	17
122	An advanced multi-modal method for human authentication featuring biometrics data and tokenised random numbers. <i>Neurocomputing</i> , 2006, 69, 1706-1710.	3.5	16
123	A genetic encoding approach for learning methods for combining classifiers. <i>Expert Systems With Applications</i> , 2009, 36, 7510-7514.	4.4	16
124	Texture Descriptors Ensembles Enable Image-Based Classification of Maturation of Human Stem Cell-Derived Retinal Pigmented Epithelium. <i>PLoS ONE</i> , 2016, 11, e0149399.	1.1	16
125	An enhanced subspace method for face recognition. <i>Pattern Recognition Letters</i> , 2006, 27, 76-84.	2.6	15
126	Reduced Reward-punishment editing for building ensembles of classifiers. <i>Expert Systems With Applications</i> , 2011, 38, 2395-2400.	4.4	15

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127	Improving the descriptors extracted from the co-occurrence matrix using preprocessing approaches. Expert Systems With Applications, 2015, 42, 8989-9000.	4.4	15
128	iProStruct2D: Identifying protein structural classes by deep learning via 2D representations. Expert Systems With Applications, 2020, 142, 113019.	4.4	15
129	Advanced methods for two-class pattern recognition problem formulation for minutiae-based fingerprint verification. Pattern Recognition Letters, 2008, 29, 142-148.	2.6	14
130	Particle swarm optimization for ensembling generation for evidential k-nearest-neighbour classifier. Neural Computing and Applications, 2009, 18, 105-108.	3.2	14
131	Matrix representation in pattern classification. Expert Systems With Applications, 2012, 39, 3031-3036.	4.4	14
132	Double committee adaboost. Journal of King Saud University - Science, 2013, 25, 29-37.	1.6	14
133	Introduction to Local Binary Patterns: New Variants and Applications. Studies in Computational Intelligence, 2014, , 1-13.	0.7	14
134	Ensemble of different approaches for a reliable person re-identification system. Applied Computing and Informatics, 2016, 12, 142-153.	3.7	14
135	Animal Sound Classification Using Dissimilarity Spaces. Applied Sciences (Switzerland), 2020, 10, 8578.	1.3	14
136	Novel Features for Automated Cell Phenotype Image Classification. Advances in Experimental Medicine and Biology, 2010, 680, 207-213.	0.8	14
137	Fusion of classifiers for illumination robust face recognition. Expert Systems With Applications, 2009, 36, 8946-8954.	4.4	13
138	Random interest regions for object recognition based on texture descriptors and bag of features. Expert Systems With Applications, 2012, 39, 973-977.	4.4	13
139	Set of approaches based on 3D structure and position specific-scoring matrix for predicting DNA-binding proteins. Bioinformatics, 2019, 35, 1844-1851.	1.8	13
140	Data pre-processing through reward"punishment editing. Pattern Analysis and Applications, 2010, 13, 367-381.	3.1	12
141	Combination of projectors, standard texture descriptors and bag of features for classifying images. Neurocomputing, 2016, 173, 1602-1614.	3.5	12
142	Bird and whale species identification using sound images. IET Computer Vision, 2018, 12, 178-184.	1.3	12
143	Deep Features for Training Support Vector Machines. Journal of Imaging, 2021, 7, 177.	1.7	12
144	An Empirical Study on Ensemble of Segmentation Approaches. Signals, 2022, 3, 341-358.	1.2	12

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145	Human authentication featuring signatures and tokenised random numbers. <i>Neurocomputing</i> , 2006, 69, 858-861.	3.5	11
146	An experimental comparison of ensemble of classifiers for biometric data. <i>Neurocomputing</i> , 2006, 69, 1670-1673.	3.5	11
147	Over-complete feature generation and feature selection for biometry. <i>Expert Systems With Applications</i> , 2008, 35, 2049-2055.	4.4	11
148	Protein classification combining surface analysis and primary structure. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 267-272.	1.0	11
149	On selecting Gabor features for biometric authentication. <i>International Journal of Computer Applications in Technology</i> , 2009, 35, 23.	0.3	11
150	A thermographic visual inspection system for crack detection in metal parts exploiting a robotic workcell. <i>Robotics and Autonomous Systems</i> , 2015, 74, 351-359.	3.0	11
151	Multilayer descriptors for medical image classification. <i>Computers in Biology and Medicine</i> , 2016, 72, 239-247.	3.9	11
152	Ensemble of Local Phase Quantization Variants with Ternary Encoding. <i>Studies in Computational Intelligence</i> , 2014, , 177-188.	0.7	10
153	Ensemble of shape descriptors for shape retrieval and classification. <i>International Journal of Advanced Intelligence Paradigms</i> , 2014, 6, 136.	0.2	10
154	Combination of different fingerprint systems: a case study FVC2004. <i>Sensor Review</i> , 2006, 26, 51-57.	1.0	9
155	A reliable method for HIV-1 protease cleavage site prediction. <i>Neurocomputing</i> , 2006, 69, 838-841.	3.5	9
156	Predicting trait impressions of faces using local face recognition techniques. <i>Expert Systems With Applications</i> , 2010, 37, 5086-5093.	4.4	9
157	Orthogonal linear discriminant analysis and feature selection for micro-array data classification. <i>Expert Systems With Applications</i> , 2010, 37, 7132-7137.	4.4	9
158	An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors. <i>Expert Systems With Applications</i> , 2017, 82, 27-39.	4.4	9
159	The Computerization of Archaeology: Survey on Artificial Intelligence Techniques. <i>SN Computer Science</i> , 2020, 1, 1.	2.3	9
160	Identifying splice-junction sequences by hierarchical multiclassifier. <i>Pattern Recognition Letters</i> , 2006, 27, 1390-1396.	2.6	8
161	Data Augmentation for Building an Ensemble of Convolutional Neural Networks. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 61-69.	0.5	8
162	Experiments of Image Classification Using Dissimilarity Spaces Built with Siamese Networks. <i>Sensors</i> , 2021, 21, 1573.	2.1	8

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163	A deformation-invariant image-based fingerprint verification system. <i>Neurocomputing</i> , 2006, 69, 2336-2339.	3.5	7
164	Generalized Needleman-Wunsch algorithm for the recognition of T-cell epitopes. <i>Expert Systems With Applications</i> , 2008, 35, 1463-1467.	4.4	7
165	Artificial intelligence systems based on texture descriptors for vaccine development. <i>Amino Acids</i> , 2011, 40, 443-451.	1.2	7
166	Fusion of classifiers for protein fold recognition. <i>Neurocomputing</i> , 2005, 68, 315-321.	3.5	6
167	A reliable method for designing an automatic karyotyping system. <i>Neurocomputing</i> , 2006, 69, 1739-1742.	3.5	6
168	A multi-modal method based on the competitors of FVC2004 and on palm data combined with tokenised random numbers. <i>Pattern Recognition Letters</i> , 2008, 29, 1344-1350.	2.6	6
169	Advanced machine learning techniques for microarray spot quality classification. <i>Neural Computing and Applications</i> , 2010, 19, 471-475.	3.2	6
170	Coding of amino acids by texture descriptors. <i>Artificial Intelligence in Medicine</i> , 2010, 48, 43-50.	3.8	6
171	Heterogeneous machine learning system for improving the diagnosis of primary aldosteronism. <i>Pattern Recognition Letters</i> , 2015, 65, 124-130.	2.6	6
172	Face Detection Ensemble with Methods Using Depth Information to Filter False Positives. <i>Sensors</i> , 2019, 19, 5242.	2.1	6
173	Random Bands: A novel ensemble for fingerprint matching. <i>Neurocomputing</i> , 2006, 69, 1702-1705.	3.5	5
174	A multi-expert approach for wavelet-based face detection. <i>Pattern Recognition Letters</i> , 2007, 28, 1541-1547.	2.6	5
175	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> , 2014, 26, 89-100.	1.6	5
176	Image orientation detection by ensembles of Stochastic CNNs. <i>Machine Learning With Applications</i> , 2021, 6, 100090.	3.0	5
177	Ensemble of Deep Learning Approaches for ATC Classification. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 117-125.	0.5	5
178	Convolutional Neural Networks for the Identification of African Lions from Individual Vocalizations. <i>Journal of Imaging</i> , 2022, 8, 96.	1.7	5
179	Multi-resolution subspace for financial trading. <i>Pattern Recognition Letters</i> , 2006, 27, 109-115.	2.6	4
180	Texture descriptors for generic pattern classification problems. <i>Expert Systems With Applications</i> , 2011, 38, 9340-9345.	4.4	4

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181	A novel method for fingerprint verification that approaches the problem as a two-class pattern recognition problem. <i>Neurocomputing</i> , 2006, 69, 846-849.	3.5	3
182	Machine learning multi-classifiers for peptide classification. <i>Neural Computing and Applications</i> , 2009, 18, 185-192.	3.2	3
183	Genetic nearest feature plane. <i>Expert Systems With Applications</i> , 2009, 36, 838-843.	4.4	3
184	Input Decimated Ensemble based on Neighborhood Preserving Embedding for spectrogram classification. <i>Expert Systems With Applications</i> , 2009, 36, 11257-11261.	4.4	3
185	Ensembles of dense and dense sampling descriptors for the HEP-2 cells classification problem. <i>Pattern Recognition Letters</i> , 2016, 82, 28-35.	2.6	3
186	Weighted Rewardâ€Punishment Editing. <i>Pattern Recognition Letters</i> , 2016, 75, 48-54.	2.6	3
187	Texture descriptors for representing feature vectors. <i>Expert Systems With Applications</i> , 2019, 122, 163-172.	4.4	3
188	Deep Ensembles Based on Stochastic Activations for Semantic Segmentation. <i>Signals</i> , 2021, 2, 820-833.	1.2	3
189	A user dependent multi-resolution approach for biometric data. <i>International Journal of Information Technology and Management</i> , 2012, 11, 112.	0.1	2
190	Anatomical Therapeutic Chemical Classification (ATC) With Multi-Label Learners and Deep Features. <i>International Journal of Natural Computing Research</i> , 2020, 9, 16-29.	0.5	2
191	Postprocessing for Skin Detection. <i>Journal of Imaging</i> , 2021, 7, 95.	1.7	2
192	Closing the Performance Gap between Siamese Networks for Dissimilarity Image Classification and Convolutional Neural Networks. <i>Sensors</i> , 2021, 21, 5809.	2.1	2
193	Ensemble of Handcrafted and Deep Learned Features for Cervical Cell Classification. <i>Intelligent Systems Reference Library</i> , 2020, , 117-135.	1.0	2
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