

Robert Sabourin

List of Publications by Year in descending order

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210
papers

6,113
citations

81839

39
h-index

91828

69
g-index

212
all docs

212
docs citations

212
times ranked

3129
citing authors

#	ARTICLE	IF	CITATIONS
1	From dynamic classifier selection to dynamic ensemble selection. Pattern Recognition, 2008, 41, 1718-1731.	5.1	342
2	Dynamic classifier selection: Recent advances and perspectives. Information Fusion, 2018, 41, 195-216.	11.7	283
3	Dynamic selection of classifiers – A comprehensive review. Pattern Recognition, 2014, 47, 3665-3680.	5.1	271
4	Learning features for offline handwritten signature verification using deep convolutional neural networks. Pattern Recognition, 2017, 70, 163-176.	5.1	234
5	An HMM-based approach for off-line unconstrained handwritten word modeling and recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 752-760.	9.7	184
6	META-DES: A dynamic ensemble selection framework using meta-learning. Pattern Recognition, 2015, 48, 1925-1935.	5.1	179
7	Reducing forgeries in writer-independent off-line signature verification through ensemble of classifiers. Pattern Recognition, 2010, 43, 387-396.	5.1	161
8	A comparison of SVM and HMM classifiers in the off-line signature verification. Pattern Recognition Letters, 2005, 26, 1377-1385.	2.6	155
9	Texture-based descriptors for writer identification and verification. Expert Systems With Applications, 2013, 40, 2069-2080.	4.4	142
10	Optimization of HVAC Control System Strategy Using Two-Objective Genetic Algorithm. HVAC and R Research, 2005, 11, 459-486.	0.9	141
11	A dynamic overproduce-and-choose strategy for the selection of classifier ensembles. Pattern Recognition, 2008, 41, 2993-3009.	5.1	139
12	Off-line signature verification by local granulometric size distributions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 976-988.	9.7	115
13	Iterative Boolean combination of classifiers in the ROC space: An application to anomaly detection with HMMs. Pattern Recognition, 2010, 43, 2732-2752.	5.1	102
14	A neural network approach to off-line signature verification using directional PDF. Pattern Recognition, 1996, 29, 415-424.	5.1	98
15	Offline handwritten signature verification – Literature review. , 2017, , .		98
16	A study on combining dynamic selection and data preprocessing for imbalance learning. Neurocomputing, 2018, 286, 179-192.	3.5	88
17	Dynamic selection approaches for multiple classifier systems. Neural Computing and Applications, 2013, 22, 673-688.	3.2	86
18	Writer-independent feature learning for Offline Signature Verification using Deep Convolutional Neural Networks. , 2016, , .		82

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19	Dynamic selection of generative “discriminative ensembles for off-line signature verification. Pattern Recognition, 2012, 45, 1326-1340.	5.1	81
20	A survey of techniques for incremental learning of HMM parameters. Information Sciences, 2012, 197, 105-130.	4.0	78
21	A database for automatic classification of forest species. Machine Vision and Applications, 2013, 24, 567-578.	1.7	75
22	Overfitting cautious selection of classifier ensembles with genetic algorithms. Information Fusion, 2009, 10, 150-162.	11.7	71
23	Multi-feature extraction and selection in writer-independent off-line signature verification. International Journal on Document Analysis and Recognition, 2013, 16, 83-103.	2.7	71
24	META-DES.Oracle: Meta-learning and feature selection for dynamic ensemble selection. Information Fusion, 2017, 38, 84-103.	11.7	66
25	Hybrid writer “independent” writer “dependent offline signature verification system. IET Biometrics, 2013, 2, 169-181.	1.6	63
26	Preprocessed dynamic classifier ensemble selection for highly imbalanced drifted data streams. Information Fusion, 2021, 66, 138-154.	11.7	62
27	An adaptive classification system for video-based face recognition. Information Sciences, 2012, 192, 50-70.	4.0	60
28	Recognition and verification of unconstrained handwritten words. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1509-1522.	9.7	57
29	Fixed-sized representation learning from offline handwritten signatures of different sizes. International Journal on Document Analysis and Recognition, 2018, 21, 219-232.	2.7	57
30	Adapting dynamic classifier selection for concept drift. Expert Systems With Applications, 2018, 104, 67-85.	4.4	56
31	Partially-supervised learning from facial trajectories for face recognition in video surveillance. Information Fusion, 2015, 24, 31-53.	11.7	54
32	Online pruning of base classifiers for Dynamic Ensemble Selection. Pattern Recognition, 2017, 72, 44-58.	5.1	54
33	Random forest dissimilarity based multi-view learning for Radiomics application. Pattern Recognition, 2019, 88, 185-197.	5.1	51
34	Pairwise fusion matrix for combining classifiers. Pattern Recognition, 2007, 40, 2198-2210.	5.1	49
35	Writer verification using texture-based features. International Journal on Document Analysis and Recognition, 2012, 15, 213-226.	2.7	49
36	Dynamic ensembles of exemplar-SVMs for still-to-video face recognition. Pattern Recognition, 2017, 69, 61-81.	5.1	49

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37	A dynamic model selection strategy for support vector machine classifiers. Applied Soft Computing Journal, 2012, 12, 2550-2565.	4.1	48
38	A classifier fusion system for bearing fault diagnosis. Expert Systems With Applications, 2013, 40, 6788-6797.	4.4	44
39	Generation of Duplicated Off-Line Signature Images for Verification Systems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 951-964.	9.7	43
40	Analyzing features learned for Offline Signature Verification using Deep CNNs. , 2016, , .		42
41	Feature selection for ensembles applied to handwriting recognition. International Journal on Document Analysis and Recognition, 2006, 8, 262-279.	2.7	41
42	Combining different biometric traits with one-class classification. Signal Processing, 2009, 89, 2117-2127.	2.1	41
43	FIRE-DES++: Enhanced online pruning of base classifiers for dynamic ensemble selection. Pattern Recognition, 2019, 85, 149-160.	5.1	40
44	Filtering segmentation cuts for digit string recognition. Pattern Recognition, 2008, 41, 3044-3053.	5.1	39
45	On the memory complexity of the forward-backward algorithm. Pattern Recognition Letters, 2010, 31, 91-99.	2.6	39
46	LoGID: An adaptive framework combining local and global incremental learning for dynamic selection of ensembles of HMMs. Pattern Recognition, 2012, 45, 3544-3556.	5.1	38
47	Review and Study of Genotypic Diversity Measures for Real-Coded Representations. IEEE Transactions on Evolutionary Computation, 2012, 16, 695-710.	7.5	37
48	Adaptive ROC-based ensembles of HMMs applied to anomaly detection. Pattern Recognition, 2012, 45, 208-230.	5.1	37
49	A framework for dynamic classifier selection oriented by the classification problem difficulty. Pattern Recognition, 2018, 76, 175-190.	5.1	36
50	Detector ensembles for face recognition in video surveillance. , 2012, , .		32
51	The recognition of handwritten numeral strings using a two-stage HMM-based method. International Journal on Document Analysis and Recognition, 2003, 5, 102-117.	2.7	31
52	Multi-objective Genetic Algorithms to Create Ensemble of Classifiers. Lecture Notes in Computer Science, 2005, , 592-606.	1.0	31
53	A Hybrid Multi-objective Evolutionary Algorithm for the Uncapacitated Exam Proximity Problem. Lecture Notes in Computer Science, 2005, , 294-312.	1.0	31
54	Adaptive skew-sensitive ensembles for face recognition in video surveillance. Pattern Recognition, 2015, 48, 3385-3406.	5.1	31

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55	The Multiclass ROC Front method for cost-sensitive classification. Pattern Recognition, 2016, 52, 46-60.	5.1	31
56	Evolution of heterogeneous ensembles through dynamic particle swarm optimization for video-based face recognition. Pattern Recognition, 2012, 45, 2460-2477.	5.1	30
57	Prototype selection for dynamic classifier and ensemble selection. Neural Computing and Applications, 2018, 29, 447-457.	3.2	30
58	Characterizing and Evaluating Adversarial Examples for Offline Handwritten Signature Verification. IEEE Transactions on Information Forensics and Security, 2019, 14, 2153-2166.	4.5	30
59	Off-line Identification With Handwritten Signature Images: Survey and Perspectives. , 1992, , 219-234.		30
60	Ventilation Control Strategy Using the Supply CO2 Concentration Setpoint. HVAC and R Research, 2005, 11, 239-262.	0.9	29
61	A Writer-Independent Approach for Offline Signature Verification using Deep Convolutional Neural Networks Features. , 2018, , .		29
62	Feature Selection for Ensembles Using the Multi-Objective Optimization Approach. , 2006, , 49-74.		29
63	Supervised Learning of Fuzzy ARTMAP Neural Networks Through Particle Swarm Optimisation. Journal of Pattern Recognition Research, 2007, 2, 27-60.	0.9	29
64	Leave-One-Out-Training and Leave-One-Out-Testing Hidden Markov Models for a Handwritten Numeral Recognizer: The Implications of a Single Classifier and Multiple Classifications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 2168-2178.	9.7	25
65	Off-line Signature Verification Using Writer-Independent Approach. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	24
66	A bio-cryptographic system based on offline signature images. Information Sciences, 2014, 259, 170-191.	4.0	24
67	A Cognitive Approach to Off-Line Signature Verification. International Journal of Pattern Recognition and Artificial Intelligence, 1997, 11, 801-825.	0.7	23
68	Bayesian network as an adaptive parameter setting approach for genetic algorithms. Complex & Intelligent Systems, 2016, 2, 1-22.	4.0	23
69	Skew-sensitive boolean combination for adaptive ensembles – An application to face recognition in video surveillance. Information Fusion, 2014, 20, 31-48.	11.7	21
70	Meta-Learning for Fast Classifier Adaptation to New Users of Signature Verification Systems. IEEE Transactions on Information Forensics and Security, 2020, 15, 1735-1745.	4.5	21
71	STRUCTURAL INTERPRETATION OF HANDWRITTEN SIGNATURE IMAGES. International Journal of Pattern Recognition and Artificial Intelligence, 1994, 08, 709-748.	0.7	20
72	Lexicon-driven HMM decoding for large vocabulary handwriting recognition with multiple character models. International Journal on Document Analysis and Recognition, 2003, 6, 126-144.	2.7	20

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73	An empirical study on diversity measures and margin theory for ensembles of classifiers. , 2007, , .		20
74	Multi-objective evolutionary optimization for generating ensembles of classifiers in the ROC space. , 2012, , .		20
75	State of the Art in Off-Line Signature Verification. , 2008, , 39-62.		19
76	Segmentation and recognition of handwritten dates: an HMM-MLP hybrid approach. International Journal on Document Analysis and Recognition, 2003, 6, 248-262.	2.7	18
77	An implicit segmentation-based method for recognition of handwritten strings of characters. , 2006, , .		18
78	Evaluation of incremental learning algorithms for HMM in the recognition of alphanumeric characters. Pattern Recognition, 2009, 42, 3241-3253.	5.1	18
79	META-DES.H: A Dynamic Ensemble Selection technique using meta-learning and a dynamic weighting approach. , 2015, , .		18
80	Online local pool generation for dynamic classifier selection. Pattern Recognition, 2019, 85, 132-148.	5.1	18
81	A white-box analysis on the writer-independent dichotomy transformation applied to offline handwritten signature verification. Expert Systems With Applications, 2020, 154, 113397.	4.4	18
82	A high throughput system for intelligent watermarking of bi-tonal images. Applied Soft Computing Journal, 2011, 11, 5215-5229.	4.1	17
83	Fast intelligent watermarking of heterogeneous image streams through mixture modeling of PSO populations. Applied Soft Computing Journal, 2013, 13, 3130-3148.	4.1	17
84	HOW TO USE FRACTAL DIMENSIONS TO QUALIFY WRITINGS AND WRITERS. Fractals, 2000, 08, 85-97.	1.8	16
85	Dynamic multi-objective evolution of classifier ensembles for video face recognition. Applied Soft Computing Journal, 2013, 13, 3149-3166.	4.1	16
86	Contribution of data complexity features on dynamic classifier selection. , 2016, , .		16
87	Intrapersonal Parameter Optimization for Offline Handwritten Signature Augmentation. IEEE Transactions on Information Forensics and Security, 2021, 16, 1335-1350.	4.5	16
88	Impacts of verification on a numeral string recognition system. Pattern Recognition Letters, 2003, 24, 1023-1031.	2.6	15
89	Two-objective on-line optimization of supervisory control strategy. Building Services Engineering Research and Technology, 2004, 25, 241-251.	0.9	15
90	Improving performance of HMM-based off-line signature verification systems through a multi-hypothesis approach. International Journal on Document Analysis and Recognition, 2010, 13, 33-47.	2.7	15

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91	Applying Dissimilarity Representation to Off-Line Signature Verification. , 2010, , .		15
92	Feature representation selection based on Classifier Projection Space and Oracle analysis. Expert Systems With Applications, 2013, 40, 3813-3827.	4.4	15
93	Robust watch-list screening using dynamic ensembles of SVMs based on multiple face representations. Machine Vision and Applications, 2017, 28, 219-241.	1.7	15
94	Methodology for the design of NN-based month-word recognizers written on Brazilian bank checks. Image and Vision Computing, 2007, 25, 40-49.	2.7	14
95	COMPOUND DIVERSITY FUNCTIONS FOR ENSEMBLE SELECTION. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 659-686.	0.7	14
96	Watch-List Screening Using Ensembles Based on Multiple Face Representations. , 2014, , .		14
97	Dynamic ensemble selection VS K-NN: Why and when dynamic selection obtains higher classification performance?. , 2017, , .		14
98	Review of phenotypic diversity formulations for diagnostic tool. Applied Soft Computing Journal, 2013, 13, 9-26.	4.1	13
99	Generation of signatures by deformations. Lecture Notes in Computer Science, 1997, , 283-298.	1.0	13
100	Off-line signature verification: Recent advances and perspectives. Lecture Notes in Computer Science, 1997, , 84-98.	1.0	12
101	On Meta-learning for Dynamic Ensemble Selection. , 2014, , .		12
102	Confusion Matrix Disagreement for Multiple Classifiers. Lecture Notes in Computer Science, 2007, , 387-396.	1.0	12
103	Forest Species Recognition Using Color-Based Features. , 2010, , .		11
104	Dynamic Ensemble Selection and Data Preprocessing for Multi-Class Imbalance Learning. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1940009.	0.7	11
105	Pareto analysis for the selection of classifier ensembles. , 2008, , .		10
106	A comparison of techniques for on-line incremental learning of HMM parameters in anomaly detection. , 2009, , .		10
107	Adaptation of Writer-Independent Systems for Offline Signature Verification. , 2012, , .		10
108	An adaptive ensemble-based system for face recognition in person re-identification. Machine Vision and Applications, 2015, 26, 741-773.	1.7	10

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109	Approaching the intra-class variability in multi-script static signature evaluation. , 2016, , .		10
110	K-Nearest Oracles Borderline Dynamic Classifier Ensemble Selection. , 2018, , .		10
111	A comprehensive comparison of end-to-end approaches for handwritten digit string recognition. Expert Systems With Applications, 2021, 165, 114196.	4.4	10
112	Ambiguity-guided dynamic selection of ensemble of classifiers. , 2007, , .		9
113	An adaptive ensemble of fuzzy ARTMAP neural networks for video-based face classification. , 2010, , .		9
114	Dynamic Selection of Ensembles of Classifiers Using Contextual Information. Lecture Notes in Computer Science, 2010, , 145-154.	1.0	9
115	Signature based Fuzzy Vaults with Boosted Feature Selection. , 2011, , .		9
116	Fusion of biometric systems using Boolean combination: an application to iris-based authentication. International Journal of Biometrics, 2012, 4, 291.	0.3	9
117	Single Classifier-based Multiple Classification Scheme for weak classifiers: An experimental comparison. Expert Systems With Applications, 2013, 40, 3606-3622.	4.4	9
118	Performance of distributed multi-agent multi-state reinforcement spectrum management using different exploration schemes. Expert Systems With Applications, 2013, 40, 4115-4126.	4.4	9
119	A Multi-objective Memetic Algorithm for Intelligent Feature Extraction. Lecture Notes in Computer Science, 2005, , 767-781.	1.0	8
120	SOLUTION OVER-FIT CONTROL IN EVOLUTIONARY MULTIOBJECTIVE OPTIMIZATION OF PATTERN CLASSIFICATION SYSTEMS. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 1107-1127.	0.7	8
121	A PSO-based framework for dynamic SVM model selection. , 2009, , .		8
122	Incremental update of biometric models in face-based video surveillance. , 2012, , .		8
123	Meta-learning recommendation of default size of classifier pool for META-DES. Neurocomputing, 2016, 216, 351-362.	3.5	8
124	Analyzing Dynamic Ensemble Selection Techniques Using Dissimilarity Analysis. Lecture Notes in Computer Science, 2014, , 59-70.	1.0	8
125	Supervised Incremental Learning with the Fuzzy ARTMAP Neural Network. Lecture Notes in Computer Science, 2008, , 66-77.	1.0	8
126	Combining Model-based and Discriminative Approaches in a Modular Two-stage Classification System: Application to Isolated Handwritten Digit Recognition. Electronic Letters on Computer Vision and Image Analysis, 2005, 5, 1.	0.5	8

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127	Ensemble of HMM classifiers based on the clustering validity index for a handwritten numeral recognizer. Pattern Analysis and Applications, 2009, 12, 21-35.	3.1	7
128	Document reconstruction using dynamic programming. , 2009, , .		7
129	Boolean Combination of Classifiers in the ROC Space. , 2010, , .		7
130	Adaptive Incremental Learning with an Ensemble of Support Vector Machines. , 2010, , .		7
131	Gaussian mixture modeling for dynamic particle swarm optimization of recurrent problems. , 2012, , .		7
132	CSBF: A static ensemble fusion method based on the centrality score of complex networks. Computational Intelligence, 2020, 36, 522-556.	2.1	7
133	An End-to-End Approach for Recognition of Modern and Historical Handwritten Numeral Strings. , 2020, , .		7
134	A Time-Length Constrained Level Building Algorithm for Large Vocabulary Handwritten Word Recognition. Lecture Notes in Computer Science, 2001, , 127-136.	1.0	7
135	A Multi-Classifer System for Off-Line Signature Verification Based on Dissimilarity Representation. Lecture Notes in Computer Science, 2010, , 264-273.	1.0	7
136	A simple methodology to bank cheque segmentation. Lecture Notes in Computer Science, 1997, , 334-343.	1.0	7
137	STUDY OF PERCEPTUAL SIMILARITY BETWEEN DIFFERENT LEXICONS. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 1321-1338.	0.7	6
138	Evolving ensemble of classifiers in random subspace. , 2006, , .		6
139	The implication of data diversity for a classifier-free ensemble selection in random subspaces. , 2008, , .		6
140	Incremental adaptation of fuzzy ARTMAP neural networks for video-based face classification. , 2009, , .		6
141	A dynamic optimization approach for adaptive incremental learning. International Journal of Intelligent Systems, 2011, 26, 1101-1124.	3.3	6
142	Efficient cost-sensitive human-machine collaboration for offline signature verification. Proceedings of SPIE, 2012, , .	0.8	6
143	Securing high resolution grayscale facial captures using a blockwise coevolutionary GA. Expert Systems With Applications, 2013, 40, 6693-6706.	4.4	6
144	Combining overall and local class accuracies in an oracle-based method for dynamic ensemble selection. , 2015, , .		6

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145	An Enhanced HMM Topology in an LBA Framework for the Recognition of Handwritten Numeral Strings. Lecture Notes in Computer Science, 2001, , 105-114.	1.0	6
146	A New HMM-Based Ensemble Generation Method for Numeral Recognition. Lecture Notes in Computer Science, 2007, , 52-61.	1.0	6
147	Data Preprocessing and Dynamic Ensemble Selection for Imbalanced Data Stream Classification. Communications in Computer and Information Science, 2020, , 367-379.	0.4	6
148	On the characterization of the Oracle for dynamic classifier selection. , 2017, , .		5
149	Dynamic Ensemble Selection by K-Nearest Local Oracles with Discrimination Index. , 2018, , .		5
150	INTELLIGENT WATERMARKING SYSTEMS: A SURVEY. , 2009, , 687-724.		5
151	Multi-objective optimization of an ecological assembly model. Ecological Informatics, 2007, 2, 23-31.	2.3	4
152	A comparison of fuzzy ARTMAP and Gaussian ARTMAP neural networks for incremental learning. , 2008, , .		4
153	Using the RRT algorithm to optimize classification systems for handwritten digits and letters. , 2008, , .		4
154	Intelligent Watermarking with Multi-objective Population Based Incremental Learning. , 2010, , .		4
155	Classifier ensembles optimization guided by population oracle. , 2011, , .		4
156	Detecting bearing defects under high noise levels: A classifier fusion approach. , 2012, , .		4
157	Improving a dynamic ensemble selection method based on oracle information. International Journal of Innovative Computing and Applications, 2012, 4, 184.	0.2	4
158	A dominance-based stepwise approach for sensor placement optimization. Applied Soft Computing Journal, 2015, 28, 466-482.	4.1	4
159	An Investigation of Feature Selection and Transfer Learning for Writer-Independent Offline Handwritten Signature Verification. , 2021, , .		4
160	Incremental Boolean Combination of Classifiers. Lecture Notes in Computer Science, 2011, , 340-349.	1.0	4
161	On the Dissimilarity Representation and Prototype Selection for Signature-Based Bio-cryptographic Systems. Lecture Notes in Computer Science, 2013, , 265-280.	1.0	4
162	A New Dynamic Ensemble Selection Method for Numeral Recognition. Lecture Notes in Computer Science, 2007, , 431-439.	1.0	4

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163	<title>Binary image compression using identity mapping backpropagation neural network</title>. , 1997, , .		3
164	Ensemble of classifiers for off-line signature verification. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	3
165	A Multi-Hypothesis Approach for Off-Line Signature Verification with HMMs. , 2009, , .		3
166	Exploring the upper bound performance limit of iris biometrics using score calibration and fusion. , 2011, , .		3
167	A two-step cascade classification method. , 2017, , .		3
168	A Dual-Purpose Memory Approach for Dynamic Particle Swarm Optimization of Recurrent Problems. Studies in Computational Intelligence, 2016, , 367-389.	0.7	3
169	Fast two-level Viterbi search algorithm for unconstrained handwriting recognition. , 2002, , .		2
170	Impact of watermarking on offline signature verification in intelligent bio-watermarking systems. , 2011, , .		2
171	A comparison of adaptive matchers for screening of faces in video surveillance. , 2012, , .		2
172	DS-DPSO: A dual surrogate approach for intelligent watermarking of bi-tonal document image streams. Expert Systems With Applications, 2013, 40, 5240-5259.	4.4	2
173	Offline signature-based fuzzy vault: A review and new results. , 2014, , .		2
174	Self-Updating with Facial Trajectories for Video-to-Video Face Recognition. , 2014, , .		2
175	Transducer State Prediction System for Smart Environment Intelligent Control. , 2015, , .		2
176	Learning Global-Local Distance Metrics for Signature-Based Biometric Cryptosystems. Cryptography, 2017, 1, 22.	1.4	2
177	On Dissimilarity Representation and Transfer Learning for Offline Handwritten Signature Verification. , 2019, , .		2
178	Feature Subset Selection Using an Optimized Hill Climbing Algorithm for Handwritten Character Recognition. Lecture Notes in Computer Science, 2004, , 1018-1025.	1.0	2
179	Adaptive Ensemble Selection for Face Re-identification under Class Imbalance. Lecture Notes in Computer Science, 2013, , 95-108.	1.0	2
180	AUTOMATIC PROCESSING OF SIGNATURE IMAGES: STATIC TECHNIQUES AND METHODS. , 1990, , 49-63.		2

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181	STRUCTURAL INTERPRETATION OF HANDWRITTEN SIGNATURE IMAGES. Series in Machine Perception and Artificial Intelligence, 1994, , 69-108.	0.1	2
182	<title>Classification of cancerous cells based on the one-class problem approach</title>. , 1996, 2760, 487.		1
183	Morphological Pseudo Convex Hull to Correct Handwriting Baseline skew. , 2002, , 389-396.		1
184	Generating Ensemble of Classifiers through Unsupervised Feature Selection. IEEE Latin America Transactions, 2005, 3, 71-77.	1.2	1
185	Distance-based Disagreement Classifiers Combination. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
186	A new HMM training and testing scheme. , 2008, , .		1
187	Fusion of biometric systems using one-class classification. , 2008, , .		1
188	Evaluation of Different Strategies to Optimize an HMM-Based Character Recognition System. , 2009, , .		1
189	Intelligent Watermarking of Document Images as a Dynamic Optimization Problem. , 2010, , .		1
190	Assessing handwritten digit segmentation algorithms. , 2012, , .		1
191	A Dissimilarity-Based Approach for Biometric Fuzzy Vaultsâ€™Application to Handwritten Signature Images. Lecture Notes in Computer Science, 2013, , 95-102.	1.0	1
192	Rapid blockwise multi-resolution clustering of facial images for intelligent watermarking. Machine Vision and Applications, 2014, 25, 277-300.	1.7	1
193	Assessing Textural Features for Writer Identification on Different Writing Styles and Forgeries. , 2014, , .		1
194	Adaptive skew-sensitive fusion of ensembles and their application to face re-identification. , 2015, , .		1
195	Individualâ€™specific management of reference data in adaptive ensembles for face reâ€™identification. IET Computer Vision, 2015, 9, 732-740.	1.3	1
196	Forest Species Recognition Based on Ensembles of Classifiers. , 2018, , .		1
197	Off-line signature verification without requiring random forgeries for training. Lecture Notes in Computer Science, 1995, , 107-115.	1.0	1
198	Dynamic Weighted Fusion of Adaptive Classifier Ensembles Based on Changing Data Streams. Lecture Notes in Computer Science, 2014, , 105-116.	1.0	1

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199	Characterization of Handwritten Signature Images in Dissimilarity Representation Space. Lecture Notes in Computer Science, 2019, , 192-206.	1.0	1
200	An investigation into the effects of label noise on Dynamic Selection algorithms. Information Fusion, 2022, 80, 104-120.	11.7	1
201	Annealing Based Approach to Optimize Classification Systems. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
202	Comparing dynamic PSO algorithms for adapting classifier ensembles in video-based face recognition. , 2011, , .		0
203	Design of Fuzzy Terminal Iterative Learning Control based on internal model control. , 2014, , .		0
204	Dynamic fusion of human and machine decisions for efficient cost-sensitive biometric authentication. , 2020, , .		0
205	Classifier Pool Generation based on a Two-level Diversity Approach. , 2021, , .		0
206	Optimal human-machine collaboration for enhanced cost-sensitive biometric authentication. SAIEE Africa Research Journal, 2021, 112, 110-119.	1.1	0
207	A Strategy for Selecting Classes of Symbols from Classes of Graphemes in HMM-Based Handwritten Word Recognition. Revista Electrónica De Sistemas De Informa��o, 2004, 3, .	0.0	0
208	Applying Pairwise Fusion Matrix on Fusion Functions for Classifier Combination. Lecture Notes in Computer Science, 2007, , 302-311.	1.0	0
209	MATCH TRACKING STRATEGIES FOR FUZZY ARTMAP NEURAL NETWORKS. , 2009, , 73-100.		0
210	Single Classifier Based Multiple Classifications. Lecture Notes in Computer Science, 2013, , 134-145.	1.0	0