

# Fabio Roli

## List of Publications by Year in descending order

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240  
papers

10,549  
citations

53660

45  
h-index

51492

86  
g-index

261  
all docs

261  
docs citations

261  
times ranked

6046  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evasion Attacks against Machine Learning at Test Time. Lecture Notes in Computer Science, 2013, , 387-402.	1.0	678
2	Wild patterns: Ten years after the rise of adversarial machine learning. Pattern Recognition, 2018, 84, 317-331.	5.1	658
3	Design of effective neural network ensembles for image classification purposes. Image and Vision Computing, 2001, 19, 699-707.	2.7	334
4	Security Evaluation of Pattern Classifiers under Attack. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 984-996.	4.0	268
5	A theoretical and experimental analysis of linear combiners for multiple classifier systems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 942-956.	9.7	259
6	Towards Poisoning of Deep Learning Algorithms with Back-gradient Optimization. , 2017, , .		234
7	Dynamic classifier selection based on multiple classifier behaviour. Pattern Recognition, 2001, 34, 1879-1881.	5.1	227
8	An extension of the Jeffreys-Matusita distance to multiclass cases for feature selection. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 1318-1321.	2.7	205
9	Diversified Sensitivity-Based Undersampling for Imbalance Classification Problems. IEEE Transactions on Cybernetics, 2015, 45, 2402-2412.	6.2	185
10	An approach to the automatic design of multiple classifier systems. Pattern Recognition Letters, 2001, 22, 25-33.	2.6	182
11	Intrusion detection in computer networks by a modular ensemble of one-class classifiers. Information Fusion, 2008, 9, 69-82.	11.7	179
12	Adversarial Feature Selection Against Evasion Attacks. IEEE Transactions on Cybernetics, 2016, 46, 766-777.	6.2	174
13	Fusion of multiple classifiers for intrusion detection in computer networks. Pattern Recognition Letters, 2003, 24, 1795-1803.	2.6	170
14	Adversarial Malware Binaries: Evading Deep Learning for Malware Detection in Executables. , 2018, , .		163
15	Multiple classifier systems for robust classifier design in adversarial environments. International Journal of Machine Learning and Cybernetics, 2010, 1, 27-41.	2.3	156
16	Support vector machines under adversarial label contamination. Neurocomputing, 2015, 160, 53-62.	3.5	152
17	Adversarial attacks against intrusion detection systems: Taxonomy, solutions and open issues. Information Sciences, 2013, 239, 201-225.	4.0	151
18	Yes, Machine Learning Can Be More Secure! A Case Study on Android Malware Detection. IEEE Transactions on Dependable and Secure Computing, 2019, 16, 711-724.	3.7	141

#	ARTICLE	IF	CITATIONS
19	Reject option with multiple thresholds. Pattern Recognition, 2000, 33, 2099-2101.	5.1	134
20	Classification of multisensor remote-sensing images by structured neural networks. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 562-578.	2.7	125
21	LivDet 2011 &#x2014; Fingerprint liveness detection competition 2011. , 2012, , .		123
22	LivDet 2013 Fingerprint Liveness Detection Competition 2013. , 2013, , .		117
23	Combination of neural and statistical algorithms for supervised classification of remote-sensing images. Pattern Recognition Letters, 2000, 21, 385-397.	2.6	114
24	On Reducing the Effect of Covariate Factors in Gait Recognition: A Classifier Ensemble Method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1521-1528.	9.7	112
25	Methods for Designing Multiple Classifier Systems. Lecture Notes in Computer Science, 2001, , 78-87.	1.0	108
26	A study on the performances of dynamic classifier selection based on local accuracy estimation. Pattern Recognition, 2005, 38, 2188-2191.	5.1	108
27	Security evaluation of biometric authentication systems under real spoofing attacks. IET Biometrics, 2012, 1, 11.	1.6	105
28	Competition on counter measures to 2-D facial spoofing attacks. , 2011, , .		98
29	Fingerprint Liveness Detection using Binarized Statistical Image Features. , 2013, , .		98
30	First International Fingerprint Liveness Detection Competitionâ€™ LivDet 2009. Lecture Notes in Computer Science, 2009, , 12-23.	1.0	96
31	An experimental comparison of neural and statistical non-parametric algorithms for supervised classification of remote-sensing images. Pattern Recognition Letters, 1996, 17, 1331-1341.	2.6	91
32	Combining flat and structured representations for fingerprint classification with recursive neural networks and support vector machines. Pattern Recognition, 2003, 36, 397-406.	5.1	91
33	Poisoning behavioral malware clustering. , 2014, , .		85
34	Review of the Fingerprint Liveness Detection (LivDet) competition series: 2009 to 2015. Image and Vision Computing, 2017, 58, 110-128.	2.7	85
35	A survey and experimental evaluation of image spam filtering techniques. Pattern Recognition Letters, 2011, 32, 1436-1446.	2.6	84
36	Alarm clustering for intrusion detection systems in computer networks. Engineering Applications of Artificial Intelligence, 2006, 19, 429-438.	4.3	83

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37	LivDet 2015 fingerprint liveness detection competition 2015. , 2015, , .		83
38	Adversarial Biometric Recognition : A review on biometric system security from the adversarial machine-learning perspective. IEEE Signal Processing Magazine, 2015, 32, 31-41.	4.6	82
39	Support Vector Machines with Embedded Reject Option. Lecture Notes in Computer Science, 2002, , 68-82.	1.0	75
40	Analysis of Fingerprint Pores for Vitality Detection. , 2010, , .		71
41	Functionality-Preserving Black-Box Optimization of Adversarial Windows Malware. IEEE Transactions on Information Forensics and Security, 2021, 16, 3469-3478.	4.5	71
42	Wild Patterns. , 2018, , .		70
43	Fingerprint verification by fusion of optical and capacitive sensors. Pattern Recognition Letters, 2004, 25, 1315-1322.	2.6	68
44	Semi-supervised PCA-Based Face Recognition Using Self-training. Lecture Notes in Computer Science, 2006, , 560-568.	1.0	66
45	Is data clustering in adversarial settings secure?. , 2013, , .		62
46	Security Evaluation of Support Vector Machines in Adversarial Environments. , 2014, , 105-153.		62
47	A Theoretical Analysis of Bagging as a Linear Combination of Classifiers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1293-1299.	9.7	60
48	PATTERN RECOGNITION SYSTEMS UNDER ATTACK: DESIGN ISSUES AND RESEARCH CHALLENGES. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1460002.	0.7	60
49	Multimodal Person Reidentification Using RGB-D Cameras. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 788-799.	5.6	60
50	Power spectrum-based fingerprint vitality detection. , 2007, , .		57
51	Adversarial EXEmples. ACM Transactions on Privacy and Security, 2021, 24, 1-31.	2.2	55
52	Bagging Classifiers for Fighting Poisoning Attacks in Adversarial Classification Tasks. Lecture Notes in Computer Science, 2011, , 350-359.	1.0	54
53	Information fusion for computer security: State of the art and open issues. Information Fusion, 2009, 10, 274-284.	11.7	53
54	Adaptive appearance model tracking for still-to-video face recognition. Pattern Recognition, 2016, 49, 129-151.	5.1	53

#	ARTICLE	IF	CITATIONS
55	Designing multi-label classifiers that maximize F measures: State of the art. Pattern Recognition, 2017, 61, 394-404.	5.1	53
56	Fusion of multiple clues for photo-attack detection in face recognition systems. , 2011, , .		51
57	Bayesian relevance feedback for content-based image retrieval. Pattern Recognition, 2004, 37, 1499-1508.	5.1	49
58	Personal identity verification by serial fusion of fingerprint and face matchers. Pattern Recognition, 2009, 42, 2807-2817.	5.1	49
59	Template Update Methods in Adaptive Biometric Systems: A Critical Review. Lecture Notes in Computer Science, 2009, , 847-856.	1.0	47
60	Fast person re-identification based on dissimilarity representations. Pattern Recognition Letters, 2012, 33, 1838-1848.	2.6	46
61	Poisoning attacks to compromise face templates. , 2013, , .		46
62	Threshold optimisation for multi-label classifiers. Pattern Recognition, 2013, 46, 2055-2065.	5.1	45
63	Evaluation of serial and parallel multibiometric systems under spoofing attacks. , 2012, , .		44
64	DeltaPhish: Detecting Phishing Webpages in Compromised Websites. Lecture Notes in Computer Science, 2017, , 370-388.	1.0	44
65	<title>Support vector machines for remote sensing image classification</title>. , 2001, 4170, 160.		43
66	Secure Kernel Machines against Evasion Attacks. , 2016, , .		43
67	Randomized Prediction Games for Adversarial Machine Learning. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2466-2478.	7.2	41
68	Analysis of error-reject trade-off in linearly combined multiple classifiers. Pattern Recognition, 2004, 37, 1245-1265.	5.1	40
69	Fusion of LDA and PCA for Face Verification. Lecture Notes in Computer Science, 2002, , 30-37.	1.0	40
70	Multi-label classification with a reject option. Pattern Recognition, 2013, 46, 2256-2266.	5.1	39
71	Dynamic Classifier Selection. Lecture Notes in Computer Science, 2000, , 177-189.	1.0	38
72	Adaptive Biometric Systems That Can Improve with Use. , 2008, , 447-471.		38

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73	FINGERPRINT SILICON REPLICAS: STATIC AND DYNAMIC FEATURES FOR VITALITY DETECTION USING AN OPTICAL CAPTURE DEVICE. International Journal of Image and Graphics, 2008, 08, 495-512.	1.2	37
74	Is Deep Learning Safe for Robot Vision? Adversarial Examples Against the iCub Humanoid. , 2017, , .		37
75	An Experimental Comparison of Classifier Fusion Rules for Multimodal Personal Identity Verification Systems. Lecture Notes in Computer Science, 2002, , 325-335.	1.0	37
76	Multiple Classifier Systems under Attack. Lecture Notes in Computer Science, 2010, , 74-83.	1.0	37
77	A Multiple Component Matching Framework for Person Re-identification. Lecture Notes in Computer Science, 2011, , 140-149.	1.0	36
78	Fingerprint liveness detection using local texture features. IET Biometrics, 2017, 6, 224-231.	1.6	35
79	One-and-a-Half-Class Multiple Classifier Systems for Secure Learning Against Evasion Attacks at Test Time. Lecture Notes in Computer Science, 2015, , 168-180.	1.0	35
80	Poisoning Adaptive Biometric Systems. Lecture Notes in Computer Science, 2012, , 417-425.	1.0	34
81	STOCK MARKET PREDICTION BY A MIXTURE OF GENETIC-NEURAL EXPERTS. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 501-526.	0.7	33
82	Critical analysis of adaptive biometric systems. IET Biometrics, 2012, 1, 179-187.	1.6	33
83	Adversarial Pattern Classification Using Multiple Classifiers and Randomisation. Lecture Notes in Computer Science, 2008, , 500-509.	1.0	33
84	Vitality Detection from Fingerprint Images: A Critical Survey. Lecture Notes in Computer Science, 2007, , 722-731.	1.0	32
85	Template Co-update in Multimodal Biometric Systems. Lecture Notes in Computer Science, 2007, , 1194-1202.	1.0	32
86	Performance Analysis and Comparison of Linear Combiners for Classifier Fusion. Lecture Notes in Computer Science, 2002, , 424-432.	1.0	31
87	Adaptive selection of image classifiers. Lecture Notes in Computer Science, 1997, , 38-45.	1.0	30
88	Application of neural networks and statistical pattern recognition algorithms to earthquake risk evaluation. Pattern Recognition Letters, 1997, 18, 1353-1362.	2.6	30
89	Image Spam Filtering Using Visual Information. , 2007, , .		30
90	Design of robust classifiers for adversarial environments. , 2011, , .		30

#	ARTICLE	IF	CITATIONS
91	Fusion of multiple fingerprint matchers by single-layer perceptron with class-separation loss function. Pattern Recognition Letters, 2005, 26, 1830-1839.	2.6	29
92	Group-specific face verification using soft biometrics. Journal of Visual Languages and Computing, 2009, 20, 101-109.	1.8	29
93	Explaining Black-box Android Malware Detection. , 2018, , .		27
94	Biometric template update using the graph mincut algorithm : A case study in face verification. , 2008, , .		26
95	A note on core research issues for statistical pattern recognition. Pattern Recognition Letters, 2002, 23, 493-499.	2.6	25
96	Statistical Meta-Analysis of Presentation Attacks for Secure Multibiometric Systems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 561-575.	9.7	25
97	The Behavior Knowledge Space Fusion Method: Analysis of Generalization Error and Strategies for Performance Improvement. Lecture Notes in Computer Science, 2003, , 55-64.	1.0	25
98	Challenges and Research Directions for Adaptive Biometric Recognition Systems. Lecture Notes in Computer Science, 2009, , 753-764.	1.0	24
99	Bayesian Analysis of Linear Combiners. , 2007, , 292-301.		24
100	A parallel network of modified 1-NN and k-NN classifiers “ Application to remote-sensing image classification. Pattern Recognition Letters, 1998, 19, 57-62.	2.6	23
101	Fusion of appearance-based face recognition algorithms. Pattern Analysis and Applications, 2004, 7, 151.	3.1	23
102	Semi-supervised Multiple Classifier Systems: Background and Research Directions. Lecture Notes in Computer Science, 2005, , 1-11.	1.0	23
103	Diversity in Classifier Ensembles: Fertile Concept or Dead End?. Lecture Notes in Computer Science, 2013, , 37-48.	1.0	23
104	Poisoning Complete-Linkage Hierarchical Clustering. Lecture Notes in Computer Science, 2014, , 42-52.	1.0	23
105	Deep neural rejection against adversarial examples. Eurasip Journal on Information Security, 2020, 2020, , .	2.4	23
106	Neural shape codes for 3D model retrieval. Pattern Recognition Letters, 2015, 65, 15-21.	2.6	22
107	A novel classification-selection approach for the self updating of template-based face recognition systems. Pattern Recognition, 2020, 100, 107121.	5.1	22
108	Multiple Classifier Systems for Adversarial Classification Tasks. Lecture Notes in Computer Science, 2009, , 132-141.	1.0	22

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109	Using Co-training and Self-training in Semi-supervised Multiple Classifier Systems. Lecture Notes in Computer Science, 2006, , 522-530.	1.0	20
110	Capturing large intra-class variations of biometric data by template co-updating. , 2008, , .		19
111	Serial fusion of multi-modal biometric systems. , 2010, , .		19
112	Self adaptive systems: An experimental analysis of the performance over time. , 2011, , .		19
113	Evaluation of multimodal biometric score fusion rules under spoof attacks. , 2012, , .		19
114	Multiple Reject Thresholds for Improving Classification Reliability. Lecture Notes in Computer Science, 2000, , 863-871.	1.0	19
115	Biometric system adaptation by self-update and graph-based techniques. Journal of Visual Languages and Computing, 2013, 24, 1-9.	1.8	18
116	Analysis of unsupervised template update in biometric recognition systems. Pattern Recognition Letters, 2014, 37, 151-160.	2.6	18
117	2020 Cybercrime Economic Costs: No Measure No Solution. , 2015, , .		18
118	CompactNet: learning a compact space for face presentation attack detection. Neurocomputing, 2020, 409, 191-207.	3.5	18
119	A Modular Multiple Classifier System for the Detection of Intrusions in Computer Networks. Lecture Notes in Computer Science, 2003, , 346-355.	1.0	18
120	Supervised learning of descriptions for image recognition purposes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1994, 16, 92-98.	9.7	17
121	Robustness analysis of likelihood ratio score fusion rule for multimodal biometric systems under spoof attacks. , 2011, , .		17
122	3D face mask presentation attack detection based on intrinsic image analysis. IET Biometrics, 2020, 9, 100-108.	1.6	17
123	Pattern Recognition Systems under Attack. Lecture Notes in Computer Science, 2013, , 1-8.	1.0	17
124	Selection of image classifiers. Electronics Letters, 2000, 36, 420.	0.5	16
125	Face anti-spoofing via hybrid convolutional neural network. , 2017, , .		16
126	Structured neural networks for signal classification. Signal Processing, 1998, 64, 271-290.	2.1	15



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127	Replacement Algorithms for Fingerprint Template Update. Lecture Notes in Computer Science, 2008, , 884-893.	1.0	15
128	Performance of fingerprint quality measures depending on sensor technology. Journal of Electronic Imaging, 2008, 17, 011008.	0.5	15
129	Robustness of multi-modal biometric verification systems under realistic spoofing attacks. , 2011, , .		15
130	Robustness Evaluation of Biometric Systems under Spoof Attacks. Lecture Notes in Computer Science, 2011, , 159-168.	1.0	15
131	Comparison of fingerprint quality measures using an optical and a capacitive sensor. , 2007, , .		14
132	A parameter randomization approach for constructing classifier ensembles. Pattern Recognition, 2017, 69, 1-13.	5.1	14
133	Countermeasures Against Adversarial Examples in Radio Signal Classification. IEEE Wireless Communications Letters, 2021, 10, 1830-1834.	3.2	14
134	Linear Combiners for Classifier Fusion: Some Theoretical and Experimental Results. Lecture Notes in Computer Science, 2003, , 74-83.	1.0	14
135	Evade Hard Multiple Classifier Systems. Studies in Computational Intelligence, 2009, , 15-38.	0.7	14
136	Alarm Clustering for Intrusion Detection Systems in Computer Networks. Lecture Notes in Computer Science, 2005, , 184-193.	1.0	13
137	Biometric Template Update: An Experimental Investigation on the Relationship between Update Errors and Performance Degradation in Face Verification. Lecture Notes in Computer Science, 2008, , 684-693.	1.0	13
138	Combining gait and face for tackling the elapsed time challenges. , 2013, , .		13
139	Network Intrusion Detection by Combining One-Class Classifiers. Lecture Notes in Computer Science, 2005, , 58-65.	1.0	13
140	Fusion of Statistical and Structural Fingerprint Classifiers. Lecture Notes in Computer Science, 2003, , 310-317.	1.0	13
141	Serial Fusion of Fingerprint and Face Matchers. Lecture Notes in Computer Science, 2007, , 151-160.	1.0	13
142	Dynamic Score Combination: A Supervised and Unsupervised Score Combination Method. Lecture Notes in Computer Science, 2009, , 163-177.	1.0	13
143	An Experimental Analysis of the Relationship between Biometric Template Update and the Doddingtonâ€™s Zoo: A Case Study in Face Verification. Lecture Notes in Computer Science, 2009, , 434-442.	1.0	13
144	DECISION-LEVEL FUSION OF PCA AND LDA-BASED FACE RECOGNITION ALGORITHMS. International Journal of Image and Graphics, 2006, 06, 293-311.	1.2	12

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145	Experimental results on the feature-level fusion of multiple fingerprint liveness detection algorithms. , 2012, , .		12
146	A Classification Approach with a Reject Option for Multi-label Problems. Lecture Notes in Computer Science, 2011, , 98-107.	1.0	12
147	Do gradient-based explanations tell anything about adversarial robustness to android malware?. International Journal of Machine Learning and Cybernetics, 2022, 13, 217-232.	2.3	12
148	An Experimental Comparison of Fingerprint Classification Methods Using Graphs. Lecture Notes in Computer Science, 2005, , 281-290.	1.0	11
149	Dynamic Score Selection for Fusion of Multiple Biometric Matchers. , 2007, , .		11
150	On Security and Sparsity of Linear Classifiers for Adversarial Settings. Lecture Notes in Computer Science, 2016, , 322-332.	1.0	11
151	Comparison and Combination of Statistical and Neural Network Algorithms for Remote-Sensing Image Classification. , 1997, , 117-124.		11
152	A multi-modal dataset, protocol and tools for adaptive biometric systems: a benchmarking study. International Journal of Biometrics, 2013, 5, 266.	0.3	10
153	Template Selection by Editing Algorithms: A Case Study in Face Recognition. Lecture Notes in Computer Science, 2008, , 745-754.	1.0	10
154	Analysis of Co-training Algorithm with Very Small Training Sets. Lecture Notes in Computer Science, 2012, , 719-726.	1.0	10
155	Machine learning in computer forensics (and the lessons learned from machine learning in computer) Tj ETQq1 1 0.784314 rgBT /Ove		9
156	Fingerprint Liveness Detection Based on Fake Finger Characteristics. International Journal of Digital Crime and Forensics, 2012, 4, 1-19.	0.5	9
157	DEICTIC: A compositional and declarative gesture description based on hidden markov models. International Journal of Human Computer Studies, 2019, 122, 113-132.	3.7	9
158	Adversarial Detection of Flash Malware: Limitations and Open Issues. Computers and Security, 2020, 96, 101901.	4.0	9
159	Score-level fusion of fingerprint and face matchers for personal verification under "stress" conditions. , 2007, , .		8
160	Analysis and Selection of Features for the Fingerprint Vitality Detection. Lecture Notes in Computer Science, 2006, , 907-915.	1.0	8
161	People Search with Textual Queries About Clothing Appearance Attributes. Advances in Computer Vision and Pattern Recognition, 2014, , 371-389.	0.9	8
162	A new information system in support of landscape assessment: PLAINS. Computers, Environment and Urban Systems, 1999, 23, 459-467.	3.3	7

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163	A New Machine Learning Approach to Fingerprint Classification. Lecture Notes in Computer Science, 2001, , 57-63.	1.0	7
164	Infrared and visible image fusion using a shallow CNN and structural similarity constraint. IET Image Processing, 2020, 14, 3562-3571.	1.4	7
165	Designing multiple biometric systems: Measures of ensemble effectiveness. Engineering Applications of Artificial Intelligence, 2009, 22, 66-78.	4.3	6
166	A novel method for head pose estimation based on the "Vitruvian Man". International Journal of Machine Learning and Cybernetics, 2014, 5, 111-124.	2.3	6
167	PharmaGuard: Automatic identification of illegal search-indexed online pharmacies. , 2015, , .		6
168	Adaptive Query Shifting for Content-Based Image Retrieval. Lecture Notes in Computer Science, 2001, , 337-346.	1.0	6
169	Selection of Experts for the Design of Multiple Biometric Systems. Lecture Notes in Computer Science, 2007, , 795-809.	1.0	6
170	Intrusion Detection in Computer Systems Using Multiple Classifier Systems. Studies in Computational Intelligence, 2008, , 91-113.	0.7	6
171	Graph-Based and Structural Methods for Fingerprint Classification. , 2007, , 205-226.		6
172	Domain Knowledge Alleviates Adversarial Attacks in Multi-Label Classifiers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 9944-9959.	9.7	6
173	Automatic Design of Multiple Classifier Systems by Unsupervised Learning. Lecture Notes in Computer Science, 1999, , 131-143.	1.0	5
174	Liveness detection competition 2009. Biometric Technology Today, 2009, 17, 7-9.	0.7	5
175	An Empirical Investigation on the Use of Diversity for Creation of Classifier Ensembles. Lecture Notes in Computer Science, 2015, , 206-219.	1.0	5
176	Multiple Classifier Systems. , 2015, , 1142-1147.		5
177	Super-Sparse Regression for Fast Age Estimation from Faces at Test Time. Lecture Notes in Computer Science, 2015, , 551-562.	1.0	5
178	User-specific effects in Fingerprint Presentation Attacks Detection: Insights for future research. , 2016, , .		5
179	Towards Quality Assurance of Software Product Lines with Adversarial Configurations. , 2019, , .		5
180	Empirical assessment of generating adversarial configurations for software product lines. Empirical Software Engineering, 2021, 26, 1.	3.0	5

#	ARTICLE	IF	CITATIONS
181	Are spoofs from latent fingerprints a real threat for the best state-of-art liveness detectors?. , 2021, , .		5
182	Error Rejection in Linearly Combined Multiple Classifiers. Lecture Notes in Computer Science, 2001, , 329-338.	1.0	5
183	Multiple Classifier Systems. , 2009, , 981-986.		5
184	Deepsquatting: Learning-Based Typosquatting Detection at Deeper Domain Levels. Lecture Notes in Computer Science, 2017, , 347-358.	1.0	5
185	A Two-Stage Classifier with Reject Option for Text Categorisation. Lecture Notes in Computer Science, 2004, , 771-779.	1.0	5
186	Ensemble Learning in Linearly Combined Classifiers Via Negative Correlation. , 2007, , 440-449.		5
187	A Hybrid Training-Time and Run-Time Defense Against Adversarial Attacks in Modulation Classification. IEEE Wireless Communications Letters, 2022, 11, 1161-1165.	3.2	5
188	<title>Classifier fusion for multisensor image recognition</title>. , 2001, 4170, 103.		4
189	Multimodal fingerprint verification by score-level fusion: An experimental investigation. Journal of Intelligent and Fuzzy Systems, 2013, 24, 51-60.	0.8	4
190	Sparse support faces. , 2015, , .		4
191	Counter-forensics in machine learning based forgery detection. Proceedings of SPIE, 2015, , .	0.8	4
192	Super-Sparse Learning in Similarity Spaces. IEEE Computational Intelligence Magazine, 2016, 11, 36-45.	3.4	4
193	Learning extremely shared middle-level image representation for scene classification. Knowledge and Information Systems, 2017, 52, 509-530.	2.1	4
194	Fingerprint presentation attacks detection based on the user-specific effect. , 2017, , .		4
195	EEG personal recognition based on "qualified majority"™ over signal patches. IET Biometrics, 2022, 11, 63-78.	1.6	4
196	Dissimilarity Representation of Images for Relevance Feedback in Content-Based Image Retrieval. , 2003, , 202-214.		4
197	High Security Fingerprint Verification by Perceptron-Based Fusion of Multiple Matchers. Lecture Notes in Computer Science, 2004, , 364-373.	1.0	4
198	A Theoretical and Experimental Analysis of Template Co-update in Biometric Verification Systems. Lecture Notes in Computer Science, 2008, , 765-774.	1.0	4

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199	Exploiting Depth Information for Indoor-Outdoor Scene Classification. Lecture Notes in Computer Science, 2011, , 130-139.	1.0	4
200	Intelligent control of signal processing algorithms in communications. IEEE Journal on Selected Areas in Communications, 1994, 12, 1553-1565.	9.7	3
201	Online and Offline Fingerprint Template Update Using Minutiae: An Experimental Comparison. Lecture Notes in Computer Science, 2008, , 441-448.	1.0	3
202	Dynamic score combination of binary experts. , 2008, , .		3
203	Detecting Anomalies from Video-Sequences: a Novel Descriptor. , 2021, , .		3
204	Online Domain Adaptation for Person Re-Identification with a Human in the Loop. , 2021, , .		3
205	The Hammer and the Nut: Is Bilevel Optimization Really Needed to Poison Linear Classifiers?. , 2021, , .		3
206	A Multi-Stage Approach for Fast Person Re-identification. Lecture Notes in Computer Science, 2016, , 63-73.	1.0	3
207	Fingerprint Verification by Decision-Level Fusion of Optical and Capacitive Sensors. Lecture Notes in Computer Science, 2004, , 307-317.	1.0	3
208	Exploiting the Golden Ratio on Human Faces for Head-Pose Estimation. Lecture Notes in Computer Science, 2013, , 280-289.	1.0	3
209	Fingerprint Recognition With Embedded Presentation Attacks Detection: Are We Ready?. IEEE Transactions on Information Forensics and Security, 2021, 16, 5338-5351.	4.5	3
210	A Score Decidability Index for Dynamic Score Combination. , 2010, , .		2
211	Adaptive Multibiometric Systems. , 0, , 143-170.		2
212	Classifier Selection Approaches for Multi-label Problems. Lecture Notes in Computer Science, 2011, , 167-176.	1.0	2
213	Why template self-update should work in biometric authentication systems?. , 2012, , .		2
214	Multi-stage ranking approach for fast person re-identification. IET Computer Vision, 2018, 12, 513-519.	1.3	2
215	Gesture Modelling and Recognition by Integrating Declarative Models and Pattern Recognition Algorithms. Lecture Notes in Computer Science, 2017, , 84-95.	1.0	2
216	Score Selection Techniques for Fingerprint Multi-modal Biometric Authentication. Lecture Notes in Computer Science, 2005, , 1018-1025.	1.0	2

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217	Fast Image Classification with Reduced Multiclass Support Vector Machines. Lecture Notes in Computer Science, 2015, , 78-88.	1.0	2
218	Appearance-based people recognition by local dissimilarity representations. , 2012, , .		1
219	A Bayesian analysis of co-training algorithm with insufficient views. , 2012, , .		1
220	Learning sparse kernel machines with biometric similarity functions for identity recognition. , 2012, , .		1
221	An experimental investigation on self adaptive facial recognition algorithms using a long time span data set. , 2018, , .		1
222	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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