

Fabio Roli

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.

240
papers

7,322
citations

45
h-index

77
g-index

261
ext. papers

8,908
ext. citations

3
avg, IF

6.38
L-index

#	Paper	IF	Citations
240	Evasion Attacks against Machine Learning at Test Time. <i>Lecture Notes in Computer Science</i> , 2013 , 387-402.	9.9	359
239	Wild patterns: Ten years after the rise of adversarial machine learning. <i>Pattern Recognition</i> , 2018 , 84, 317-331	7.7	338
238	Design of effective neural network ensembles for image classification purposes. <i>Image and Vision Computing</i> , 2001 , 19, 699-707	3.7	261
237	A theoretical and experimental analysis of linear combiners for multiple classifier systems. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005 , 27, 942-56	13.3	217
236	Security Evaluation of Pattern Classifiers under Attack. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 984-996	4.2	200
235	Dynamic classifier selection based on multiple classifier behaviour. <i>Pattern Recognition</i> , 2001 , 34, 1879-1891	7.1	181
234	An extension of the Jeffreys-Matusita distance to multiclass cases for feature selection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1995 , 33, 1318-1321	8.1	166
233	An approach to the automatic design of multiple classifier systems. <i>Pattern Recognition Letters</i> , 2001 , 22, 25-33	4.7	151
232	Intrusion detection in computer networks by a modular ensemble of one-class classifiers. <i>Information Fusion</i> , 2008 , 9, 69-82	16.7	146
231	Adversarial Feature Selection Against Evasion Attacks. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 766-771.	10.2	120
230	Fusion of multiple classifiers for intrusion detection in computer networks. <i>Pattern Recognition Letters</i> , 2003 , 24, 1795-1803	4.7	118
229	Diversified Sensitivity-Based Undersampling for Imbalance Classification Problems. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2402-12	10.2	114
228	Multiple classifier systems for robust classifier design in adversarial environments. <i>International Journal of Machine Learning and Cybernetics</i> , 2010 , 1, 27-41	3.8	114
227	Reject option with multiple thresholds. <i>Pattern Recognition</i> , 2000 , 33, 2099-2101	7.7	114
226	LivDet 2011 [Fingerprint liveness detection competition 2011] 2012 ,		105
225	Adversarial attacks against intrusion detection systems: Taxonomy, solutions and open issues. <i>Information Sciences</i> , 2013 , 239, 201-225	7.7	103
224	Towards Poisoning of Deep Learning Algorithms with Back-gradient Optimization 2017 ,		98

223	LivDet 2013 Fingerprint Liveness Detection Competition 2013 2013 ,		93
222	A study on the performances of dynamic classifier selection based on local accuracy estimation. <i>Pattern Recognition</i> , 2005 , 38, 2188-2191	7.7	92
221	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1995 , 33, 562-578	8.1	89
220	Yes, Machine Learning Can Be More Secure! A Case Study on Android Malware Detection. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2019 , 16, 711-724	3.9	88
219	On Reducing the Effect of Covariate Factors in Gait Recognition: A Classifier Ensemble Method. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 1521-8	13.3	86
218	Support vector machines under adversarial label contamination. <i>Neurocomputing</i> , 2015 , 160, 53-62	5.4	86
217	Adversarial Malware Binaries: Evading Deep Learning for Malware Detection in Executables 2018 ,		83
216	Combination of neural and statistical algorithms for supervised classification of remote-sensing images. <i>Pattern Recognition Letters</i> , 2000 , 21, 385-397	4.7	79
215	Competition on counter measures to 2-D facial spoofing attacks 2011 ,		78
214	Methods for Designing Multiple Classifier Systems. <i>Lecture Notes in Computer Science</i> , 2001 , 78-87	0.9	78
213	Fingerprint Liveness Detection using Binarized Statistical Image Features 2013 ,		76
212	Security evaluation of biometric authentication systems under real spoofing attacks. <i>IET Biometrics</i> , 2012 , 1, 11	2.9	75
211	First International Fingerprint Liveness Detection Competition LivDet 2009. <i>Lecture Notes in Computer Science</i> , 2009 , 12-23	0.9	75
210	Combining flat and structured representations for fingerprint classification with recursive neural networks and support vector machines. <i>Pattern Recognition</i> , 2003 , 36, 397-406	7.7	74
209	An experimental comparison of neural and statistical non-parametric algorithms for supervised classification of remote-sensing images. <i>Pattern Recognition Letters</i> , 1996 , 17, 1331-1341	4.7	69
208	Review of the Fingerprint Liveness Detection (LivDet) competition series: 2009 to 2015. <i>Image and Vision Computing</i> , 2017 , 58, 110-128	3.7	65
207	LivDet 2015 fingerprint liveness detection competition 2015 2015 ,		62
206	Poisoning behavioral malware clustering 2014 ,		59

205	Analysis of Fingerprint Pores for Vitality Detection 2010 ,		58
204	Alarm clustering for intrusion detection systems in computer networks. <i>Engineering Applications of Artificial Intelligence</i> , 2006 , 19, 429-438	7.2	57
203	A survey and experimental evaluation of image spam filtering techniques. <i>Pattern Recognition Letters</i> , 2011 , 32, 1436-1446	4.7	54
202	Fingerprint verification by fusion of optical and capacitive sensors. <i>Pattern Recognition Letters</i> , 2004 , 25, 1315-1322	4.7	54
201	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 788-799	6.4	53
200	Adversarial Biometric Recognition : A review on biometric system security from the adversarial machine-learning perspective. <i>IEEE Signal Processing Magazine</i> , 2015 , 32, 31-41	9.4	53
199	A theoretical analysis of bagging as a linear combination of classifiers. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 1293-9	13.3	51
198	PATTERN RECOGNITION SYSTEMS UNDER ATTACK: DESIGN ISSUES AND RESEARCH CHALLENGES. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2014 , 28, 1460002	1.1	49
197	Semi-supervised PCA-Based Face Recognition Using Self-training. <i>Lecture Notes in Computer Science</i> , 2006 , 560-568	0.9	49
196	Support Vector Machines with Embedded Reject Option. <i>Lecture Notes in Computer Science</i> , 2002 , 68-82	0.9	46
195	Power spectrum-based fingerprint vitality detection 2007 ,		45
194	Security Evaluation of Support Vector Machines in Adversarial Environments 2014 , 105-153		45
193	Fusion of multiple clues for photo-attack detection in face recognition systems 2011 ,		44
192	Personal identity verification by serial fusion of fingerprint and face matchers. <i>Pattern Recognition</i> , 2009 , 42, 2807-2817	7.7	42
191	Adaptive appearance model tracking for still-to-video face recognition. <i>Pattern Recognition</i> , 2016 , 49, 129-151	7.7	40
190	Fast person re-identification based on dissimilarity representations. <i>Pattern Recognition Letters</i> , 2012 , 33, 1838-1848	4.7	40
189	Information fusion for computer security: State of the art and open issues. <i>Information Fusion</i> , 2009 , 10, 274-284	16.7	40
188	Bagging Classifiers for Fighting Poisoning Attacks in Adversarial Classification Tasks. <i>Lecture Notes in Computer Science</i> , 2011 , 350-359	0.9	40

187	Designing multi-label classifiers that maximize F measures: State of the art. <i>Pattern Recognition</i> , 2017 , 61, 394-404	7.7	39
186	Evaluation of serial and parallel multibiometric systems under spoofing attacks 2012 ,		38
185	Is data clustering in adversarial settings secure? 2013 ,		38
184	Bayesian relevance feedback for content-based image retrieval. <i>Pattern Recognition</i> , 2004 , 37, 1499-1508.	7.7	37
183	Multi-label classification with a reject option. <i>Pattern Recognition</i> , 2013 , 46, 2256-2266	7.7	35
182	FINGERPRINT SILICON REPLICAS: STATIC AND DYNAMIC FEATURES FOR VITALITY DETECTION USING AN OPTICAL CAPTURE DEVICE. <i>International Journal of Image and Graphics</i> , 2008 , 08, 495-512	0.5	34
181	Threshold optimisation for multi-label classifiers. <i>Pattern Recognition</i> , 2013 , 46, 2055-2065	7.7	33
180	Analysis of error-reject trade-off in linearly combined multiple classifiers. <i>Pattern Recognition</i> , 2004 , 37, 1245-1265	7.7	33
179	Multiple Classifier Systems under Attack. <i>Lecture Notes in Computer Science</i> , 2010 , 74-83	0.9	33
178	An Experimental Comparison of Classifier Fusion Rules for Multimodal Personal Identity Verification Systems. <i>Lecture Notes in Computer Science</i> , 2002 , 325-335	0.9	32
177	Adaptive Biometric Systems That Can Improve with Use 2008 , 447-471		31
176	Wild Patterns 2018 ,		30
175	Poisoning attacks to compromise face templates 2013 ,		29
174	Randomized Prediction Games for Adversarial Machine Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2466-2478	10.3	29
173	Critical analysis of adaptive biometric systems. <i>IET Biometrics</i> , 2012 , 1, 179-187	2.9	29
172	Template Update Methods in Adaptive Biometric Systems: A Critical Review. <i>Lecture Notes in Computer Science</i> , 2009 , 847-856	0.9	29
171	Support vector machines for remote sensing image classification 2001 , 4170, 160		29
170	A Multiple Component Matching Framework for Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2011 , 140-149	0.9	29

169	Fusion of LDA and PCA for Face Verification. <i>Lecture Notes in Computer Science</i> , 2002 , 30-37	0.9	29
168	Secure Kernel Machines against Evasion Attacks 2016 ,		28
167	Group-specific face verification using soft biometrics. <i>Journal of Visual Languages and Computing</i> , 2009 , 20, 101-109		27
166	Fusion of multiple fingerprint matchers by single-layer perceptron with class-separation loss function. <i>Pattern Recognition Letters</i> , 2005 , 26, 1830-1839	4.7	27
165	Poisoning Adaptive Biometric Systems. <i>Lecture Notes in Computer Science</i> , 2012 , 417-425	0.9	27
164	Fingerprint liveness detection using local texture features. <i>IET Biometrics</i> , 2017 , 6, 224-231	2.9	26
163	Design of robust classifiers for adversarial environments 2011 ,		26
162	Adversarial Pattern Classification Using Multiple Classifiers and Randomisation. <i>Lecture Notes in Computer Science</i> , 2008 , 500-509	0.9	26
161	Dynamic Classifier Selection. <i>Lecture Notes in Computer Science</i> , 2000 , 177-189	0.9	25
160	Application of neural networks and statistical pattern recognition algorithms to earthquake risk evaluation. <i>Pattern Recognition Letters</i> , 1997 , 18, 1353-1362	4.7	24
159	Statistical Meta-Analysis of Presentation Attacks for Secure Multibiometric Systems. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 561-575	13.3	23
158	DeltaPhish: Detecting Phishing Webpages in Compromised Websites. <i>Lecture Notes in Computer Science</i> , 2017 , 370-388	0.9	23
157	Is Deep Learning Safe for Robot Vision? Adversarial Examples Against the iCub Humanoid 2017 ,		23
156	Adaptive selection of image classifiers. <i>Lecture Notes in Computer Science</i> , 1997 , 38-45	0.9	23
155	Vitality Detection from Fingerprint Images: A Critical Survey. <i>Lecture Notes in Computer Science</i> , 2007 , 722-731	0.9	23
154	Template Co-update in Multimodal Biometric Systems. <i>Lecture Notes in Computer Science</i> , 2007 , 1194-1203		23
153	Neural shape codes for 3D model retrieval. <i>Pattern Recognition Letters</i> , 2015 , 65, 15-21	4.7	22
152	Biometric template update using the graph mincut algorithm : A case study in face verification 2008 ,		21

151	STOCK MARKET PREDICTION BY A MIXTURE OF GENETIC-NEURAL EXPERTS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2002 , 16, 501-526	1.1	21
150	Image Spam Filtering Using Visual Information 2007 ,		20
149	Fusion of appearance-based face recognition algorithms. <i>Pattern Analysis and Applications</i> , 2004 , 7, 151	2.3	20
148	One-and-a-Half-Class Multiple Classifier Systems for Secure Learning Against Evasion Attacks at Test Time. <i>Lecture Notes in Computer Science</i> , 2015 , 168-180	0.9	20
147	A note on core research issues for statistical pattern recognition. <i>Pattern Recognition Letters</i> , 2002 , 23, 493-499	4.7	19
146	Semi-supervised Multiple Classifier Systems: Background and Research Directions. <i>Lecture Notes in Computer Science</i> , 2005 , 1-11	0.9	19
145	The Behavior Knowledge Space Fusion Method: Analysis of Generalization Error and Strategies for Performance Improvement. <i>Lecture Notes in Computer Science</i> , 2003 , 55-64	0.9	19
144	Bayesian Analysis of Linear Combiners 2007 , 292-301		18
143	. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 3469-3478	8	18
142	Performance Analysis and Comparison of Linear Combiners for Classifier Fusion. <i>Lecture Notes in Computer Science</i> , 2002 , 424-432	0.9	18
141	Challenges and Research Directions for Adaptive Biometric Recognition Systems. <i>Lecture Notes in Computer Science</i> , 2009 , 753-764	0.9	17
140	Fingerprint Classification by Combination of Flat and Structural Approaches. <i>Lecture Notes in Computer Science</i> , 2001 , 241-246	0.9	17
139	Analysis of Linear and Order Statistics Combiners for Fusion of Imbalanced Classifiers. <i>Lecture Notes in Computer Science</i> , 2002 , 252-261	0.9	17
138	Biometric system adaptation by self-update and graph-based techniques. <i>Journal of Visual Languages and Computing</i> , 2013 , 24, 1-9		16
137	Serial fusion of multi-modal biometric systems 2010 ,		16
136	A parallel network of modified 1-NN and k-NN classifiers [Application to remote-sensing image classification. <i>Pattern Recognition Letters</i> , 1998 , 19, 57-62	4.7	16
135	Capturing large intra-class variations of biometric data by template co-updating 2008 ,		16
134	Multiple Classifier Systems for Adversarial Classification Tasks. <i>Lecture Notes in Computer Science</i> , 2009 , 132-141	0.9	16

133	Analysis of unsupervised template update in biometric recognition systems. <i>Pattern Recognition Letters</i> , 2014 , 37, 151-160	4.7	15
132	Robustness analysis of likelihood ratio score fusion rule for multimodal biometric systems under spoof attacks 2011 ,		15
131	Diversity in Classifier Ensembles: Fertile Concept or Dead End?. <i>Lecture Notes in Computer Science</i> , 2013 , 37-48	0.9	15
130	Poisoning Complete-Linkage Hierarchical Clustering. <i>Lecture Notes in Computer Science</i> , 2014 , 42-52	0.9	15
129	A parameter randomization approach for constructing classifier ensembles. <i>Pattern Recognition</i> , 2017 , 69, 1-13	7.7	14
128	Using Co-training and Self-training in Semi-supervised Multiple Classifier Systems. <i>Lecture Notes in Computer Science</i> , 2006 , 522-530	0.9	14
127	3D face mask presentation attack detection based on intrinsic image analysis. <i>IET Biometrics</i> , 2020 , 9, 100-108	2.9	13
126	Evaluation of multimodal biometric score fusion rules under spoof attacks 2012 ,		13
125	Self adaptive systems: An experimental analysis of the performance over time 2011 ,		13
124	Selection of image classifiers. <i>Electronics Letters</i> , 2000 , 36, 420	1.1	13
123	. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1994 , 16, 92-98	13.3	13
122	Robustness Evaluation of Biometric Systems under Spoof Attacks. <i>Lecture Notes in Computer Science</i> , 2011 , 159-168	0.9	13
121	Explaining Black-box Android Malware Detection 2018 ,		13
120	Multiple Reject Thresholds for Improving Classification Reliability. <i>Lecture Notes in Computer Science</i> , 2000 , 863-871	0.9	13
119	An Experimental Comparison of Fixed and Trained Fusion Rules for Crisp Classifier Outputs. <i>Lecture Notes in Computer Science</i> , 2002 , 232-241	0.9	13
118	Combining gait and face for tackling the elapsed time challenges 2013 ,		12
117	Robustness of multi-modal biometric verification systems under realistic spoofing attacks 2011 ,		12
116	Exploiting Dissimilarity Representations for Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2011 , 275-289	0.9	12

115	A Modular Multiple Classifier System for the Detection of Intrusions in Computer Networks. <i>Lecture Notes in Computer Science</i> , 2003 , 346-355	0.9	12
114	Fusion of Face Recognition Algorithms for Video-Based Surveillance Systems 2003 , 235-249		12
113	Structured neural networks for signal classification. <i>Signal Processing</i> , 1998 , 64, 271-290	4.4	11
112	Comparison of fingerprint quality measures using an optical and a capacitive sensor 2007 ,		11
111	Dynamic Score Combination: A Supervised and Unsupervised Score Combination Method. <i>Lecture Notes in Computer Science</i> , 2009 , 163-177	0.9	11
110	An Experimental Analysis of the Relationship between Biometric Template Update and the Doddington Zoo: A Case Study in Face Verification. <i>Lecture Notes in Computer Science</i> , 2009 , 434-442	0.9	11
109	Adversarial EXEmples. <i>ACM Transactions on Privacy and Security</i> , 2021 , 24, 1-31	2.9	11
108	Fusion of Statistical and Structural Fingerprint Classifiers. <i>Lecture Notes in Computer Science</i> , 2003 , 310-317		11
107	Replacement Algorithms for Fingerprint Template Update. <i>Lecture Notes in Computer Science</i> , 2008 , 884-893		10
106	Dynamic Score Selection for Fusion of Multiple Biometric Matchers 2007 ,		10
105	On Security and Sparsity of Linear Classifiers for Adversarial Settings. <i>Lecture Notes in Computer Science</i> , 2016 , 322-332	0.9	10
104	A Classification Approach with a Reject Option for Multi-label Problems. <i>Lecture Notes in Computer Science</i> , 2011 , 98-107	0.9	10
103	Analysis of Co-training Algorithm with Very Small Training Sets. <i>Lecture Notes in Computer Science</i> , 2012 , 719-726	0.9	10
102	A novel classification-selection approach for the self updating of template-based face recognition systems. <i>Pattern Recognition</i> , 2020 , 100, 107121	7.7	10
101	2020 Cybercrime Economic Costs: No Measure No Solution 2015 ,		9
100	2017 ,		9
99	Experimental results on the feature-level fusion of multiple fingerprint liveness detection algorithms 2012 ,		9
98	Biometric Template Update: An Experimental Investigation on the Relationship between Update Errors and Performance Degradation in Face Verification. <i>Lecture Notes in Computer Science</i> , 2008 , 684-693	0.9	9

97	Performance of fingerprint quality measures depending on sensor technology. <i>Journal of Electronic Imaging</i> , 2008 , 17, 011008	0.7	9
96	An Experimental Comparison of Fingerprint Classification Methods Using Graphs. <i>Lecture Notes in Computer Science</i> , 2005 , 281-290	0.9	9
95	Pattern Recognition Systems under Attack. <i>Lecture Notes in Computer Science</i> , 2013 , 1-8	0.9	9
94	Comparison and Combination of Statistical and Neural Network Algorithms for Remote-Sensing Image Classification 1997 , 117-124		9
93	Review of Fingerprint Presentation Attack Detection Competitions. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 109-131	1.1	9
92	Fingerprint Liveness Detection Based on Fake Finger Characteristics. <i>International Journal of Digital Crime and Forensics</i> , 2012 , 4, 1-19	0.7	8
91	DECISION-LEVEL FUSION OF PCA AND LDA-BASED FACE RECOGNITION ALGORITHMS. <i>International Journal of Image and Graphics</i> , 2006 , 06, 293-311	0.5	8
90	Score-level fusion of fingerprint and face matchers for personal verification under "stress" conditions 2007 ,		8
89	Alarm Clustering for Intrusion Detection Systems in Computer Networks. <i>Lecture Notes in Computer Science</i> , 2005 , 184-193	0.9	8
88	Serial Fusion of Fingerprint and Face Matchers. <i>Lecture Notes in Computer Science</i> , 2007 , 151-160	0.9	8
87	Evade Hard Multiple Classifier Systems. <i>Studies in Computational Intelligence</i> , 2009 , 15-38	0.8	8
86	Experimental Results on Fusion of Multiple Fingerprint Matchers. <i>Lecture Notes in Computer Science</i> , 2003 , 814-820	0.9	7
85	A General Method for Appearance-Based People Search Based on Textual Queries. <i>Lecture Notes in Computer Science</i> , 2012 , 453-461	0.9	7
84	Large Scale Experiments on Fingerprint Liveness Detection. <i>Lecture Notes in Computer Science</i> , 2012 , 501-509	0.9	7
83	Network Intrusion Detection by Combining One-Class Classifiers. <i>Lecture Notes in Computer Science</i> , 2005 , 58-65	0.9	7
82	Analysis and Selection of Features for the Fingerprint Vitality Detection. <i>Lecture Notes in Computer Science</i> , 2006 , 907-915	0.9	7
81	People Search with Textual Queries About Clothing Appearance Attributes 2014 , 371-389		7
80	CompactNet: learning a compact space for face presentation attack detection. <i>Neurocomputing</i> , 2020 , 409, 191-207	5.4	6

79	Deep neural rejection against adversarial examples. <i>Eurasip Journal on Information Security</i> , 2020 , 2020,	3.8	6
78	Intrusion Detection in Computer Systems Using Multiple Classifier Systems. <i>Studies in Computational Intelligence</i> , 2008 , 91-113	0.8	6
77	Template Selection by Editing Algorithms: A Case Study in Face Recognition. <i>Lecture Notes in Computer Science</i> , 2008 , 745-754	0.9	6
76	Selection of Classifiers Based on Multiple Classifier Behaviour. <i>Lecture Notes in Computer Science</i> , 2000 , 87-93	0.9	6
75	Adaptive Query Shifting for Content-Based Image Retrieval. <i>Lecture Notes in Computer Science</i> , 2001 , 337-346	0.9	6
74	Linear Combiners for Classifier Fusion: Some Theoretical and Experimental Results. <i>Lecture Notes in Computer Science</i> , 2003 , 74-83	0.9	6
73	A multi-modal dataset, protocol and tools for adaptive biometric systems: a benchmarking study. <i>International Journal of Biometrics</i> , 2013 , 5, 266	0.4	5
72	Machine learning in computer forensics (and the lessons learned from machine learning in computer security) 2011 ,		5
71	Liveness detection competition 2009. <i>Biometric Technology Today</i> , 2009 , 17, 7-9	1	5
70	Designing multiple biometric systems: Measures of ensemble effectiveness. <i>Engineering Applications of Artificial Intelligence</i> , 2009 , 22, 66-78	7.2	5
69	A Two-Stage Classifier with Reject Option for Text Categorisation. <i>Lecture Notes in Computer Science</i> , 2004 , 771-779	0.9	5
68	Temporal Analysis of Biometric Template Update Procedures in Uncontrolled Environment. <i>Lecture Notes in Computer Science</i> , 2011 , 595-604	0.9	5
67	Fusion of Radio and Video Localization for People Tracking. <i>Lecture Notes in Computer Science</i> , 2011 , 258-263	0.9	5
66	Countermeasures Against Adversarial Examples in Radio Signal Classification. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1830-1834	5.9	5
65	Counter-forensics in machine learning based forgery detection 2015 ,		4
64	PharmaGuard: Automatic identification of illegal search-indexed online pharmacies 2015 ,		4
63	Sparse support faces 2015 ,		4
62	Multimodal fingerprint verification by score-level fusion: An experimental investigation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013 , 24, 51-60	1.6	4

61	Classifier fusion for multisensor image recognition 2001 , 4170, 103		4
60	Graph-Based and Structural Methods for Fingerprint Classification 2007 , 205-226		4
59	High Security Fingerprint Verification by Perceptron-Based Fusion of Multiple Matchers. <i>Lecture Notes in Computer Science</i> , 2004 , 364-373	0.9	4
58	Ensemble Learning in Linearly Combined Classifiers Via Negative Correlation 2007 , 440-449		4
57	Selection of Experts for the Design of Multiple Biometric Systems. <i>Lecture Notes in Computer Science</i> , 2007 , 795-809	0.9	4
56	User-specific effects in Fingerprint Presentation Attacks Detection: Insights for future research 2016 ,		4
55	Dissimilarity Representation of Images for Relevance Feedback in Content-Based Image Retrieval 2003 , 202-214		4
54	Learning extremely shared middle-level image representation for scene classification. <i>Knowledge and Information Systems</i> , 2017 , 52, 509-530	2.4	3
53	Adversarial Detection of Flash Malware: Limitations and Open Issues. <i>Computers and Security</i> , 2020 , 96, 101901	4.9	3
52	Towards Quality Assurance of Software Product Lines with Adversarial Configurations 2019 ,		3
51	A novel method for head pose estimation based on the Vitruvian Man <i>International Journal of Machine Learning and Cybernetics</i> , 2014 , 5, 111-124	3.8	3
50	Automatic Design of Multiple Classifier Systems by Unsupervised Learning. <i>Lecture Notes in Computer Science</i> , 1999 , 131-143	0.9	3
49	A Multi-Stage Approach for Fast Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2016 , 63-73	0.9	3
48	A Theoretical and Experimental Analysis of Template Co-update in Biometric Verification Systems. <i>Lecture Notes in Computer Science</i> , 2008 , 765-774	0.9	3
47	Exploiting Depth Information for Indoor-Outdoor Scene Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 130-139	0.9	3
46	Exploiting the Golden Ratio on Human Faces for Head-Pose Estimation. <i>Lecture Notes in Computer Science</i> , 2013 , 280-289	0.9	3
45	A New Machine Learning Approach to Fingerprint Classification. <i>Lecture Notes in Computer Science</i> , 2001 , 57-63	0.9	3
44	Super-Sparse Regression for Fast Age Estimation from Faces at Test Time. <i>Lecture Notes in Computer Science</i> , 2015 , 551-562	0.9	2

43	Fingerprint presentation attacks detection based on the user-specific effect 2017 ,		2
42	An Empirical Investigation on the Use of Diversity for Creation of Classifier Ensembles. <i>Lecture Notes in Computer Science</i> , 2015 , 206-219	0.9	2
41	A Score Decidability Index for Dynamic Score Combination 2010 ,		2
40	Why template self-update should work in biometric authentication systems? 2012 ,		2
39	Online and Offline Fingerprint Template Update Using Minutiae: An Experimental Comparison. <i>Lecture Notes in Computer Science</i> , 2008 , 441-448	0.9	2
38	Dynamic score combination of binary experts 2008 ,		2
37	A new information system in support of landscape assessment: PLAINS. <i>Computers, Environment and Urban Systems</i> , 1999 , 23, 459-467	5.9	2
36	. <i>IEEE Journal on Selected Areas in Communications</i> , 1994 , 12, 1553-1565	14.2	2
35	Fingerprint recognition with embedded presentation attacks detection: are we ready?. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 1-1	8	2
34	Do gradient-based explanations tell anything about adversarial robustness to android malware?. <i>International Journal of Machine Learning and Cybernetics</i> ,1	3.8	2
33	Score Selection Techniques for Fingerprint Multi-modal Biometric Authentication. <i>Lecture Notes in Computer Science</i> , 2005 , 1018-1025	0.9	2
32	Fingerprint Verification by Decision-Level Fusion of Optical and Capacitive Sensors. <i>Lecture Notes in Computer Science</i> , 2004 , 307-317	0.9	2
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