

# Fabio Roli

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9146063/fabio-rolipublications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	A Hybrid Training-time and Run-time Defense Against Adversarial Attacks in Modulation Classification. <i>IEEE Wireless Communications Letters</i> , <b>2022</b> , 1-1	5.9	0
239	On the Evaluation of Video-Based Crowd Counting Models. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 301-311	0.9	
238	Experimental Results on Multi-modal Deepfake Detection. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 164-175	1.35	
237	Fingerprint recognition with embedded presentation attacks detection: are we ready?. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 1-1	8	2
236	Detecting Anomalies from Video-Sequences: a Novel Descriptor <b>2021</b> ,		1
235	. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 16, 3469-3478	8	18
234	Empirical assessment of generating adversarial configurations for software product lines. <i>Empirical Software Engineering</i> , <b>2021</b> , 26, 1	3.3	1
233	Countermeasures Against Adversarial Examples in Radio Signal Classification. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 1830-1834	5.9	5
232	Adversarial Examples. <i>ACM Transactions on Privacy and Security</i> , <b>2021</b> , 24, 1-31	2.9	11
231	CompactNet: learning a compact space for face presentation attack detection. <i>Neurocomputing</i> , <b>2020</b> , 409, 191-207	5.4	6
230	Adversarial Detection of Flash Malware: Limitations and Open Issues. <i>Computers and Security</i> , <b>2020</b> , 96, 101901	4.9	3
229	3D face mask presentation attack detection based on intrinsic image analysis. <i>IET Biometrics</i> , <b>2020</b> , 9, 100-108	2.9	13
228	Deep neural rejection against adversarial examples. <i>Eurasip Journal on Information Security</i> , <b>2020</b> ,	3.8	6
227	Infrared and visible image fusion using a shallow CNN and structural similarity constraint. <i>IET Image Processing</i> , <b>2020</b> , 14, 3562-3571	1.7	0
226	A novel classification-selection approach for the self updating of template-based face recognition systems. <i>Pattern Recognition</i> , <b>2020</b> , 100, 107121	7.7	10
225	Towards Quality Assurance of Software Product Lines with Adversarial Configurations <b>2019</b> ,		3
224	DEICTIC: A compositional and declarative gesture description based on hidden markov models. <i>International Journal of Human Computer Studies</i> , <b>2019</b> , 122, 113-132	4.6	1

223	Review of Fingerprint Presentation Attack Detection Competitions. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2019</b> , 109-131	1.1	9
222	Yes, Machine Learning Can Be More Secure! A Case Study on Android Malware Detection. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2019</b> , 16, 711-724	3.9	88
221	Multi-stage ranking approach for fast person re-identification. <i>IET Computer Vision</i> , <b>2018</b> , 12, 513-519	1.4	1
220	Wild patterns: Ten years after the rise of adversarial machine learning. <i>Pattern Recognition</i> , <b>2018</b> , 84, 317-331	7.7	338
219	Adversarial Malware Binaries: Evading Deep Learning for Malware Detection in Executables <b>2018</b> ,		83
218	Explaining Black-box Android Malware Detection <b>2018</b> ,		13
217	Wild Patterns <b>2018</b> ,		30
216	Statistical Meta-Analysis of Presentation Attacks for Secure Multibiometric Systems. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2017</b> , 39, 561-575	13.3	23
215	Fingerprint liveness detection using local texture features. <i>IET Biometrics</i> , <b>2017</b> , 6, 224-231	2.9	26
214	A parameter randomization approach for constructing classifier ensembles. <i>Pattern Recognition</i> , <b>2017</b> , 69, 1-13	7.7	14
213	Learning extremely shared middle-level image representation for scene classification. <i>Knowledge and Information Systems</i> , <b>2017</b> , 52, 509-530	2.4	3
212	DeltaPhish: Detecting Phishing Webpages in Compromised Websites. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 370-388	0.9	23
211	Fingerprint presentation attacks detection based on the user-specific effect <b>2017</b> ,		2
210	Designing multi-label classifiers that maximize F measures: State of the art. <i>Pattern Recognition</i> , <b>2017</b> , 61, 394-404	7.7	39
209	Review of the Fingerprint Liveness Detection (LivDet) competition series: 2009 to 2015. <i>Image and Vision Computing</i> , <b>2017</b> , 58, 110-128	3.7	65
208	Randomized Prediction Games for Adversarial Machine Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 2466-2478	10.3	29
207	Is Deep Learning Safe for Robot Vision? Adversarial Examples Against the iCub Humanoid <b>2017</b> ,		23
206	<b>2017</b> ,		9

205	Towards Poisoning of Deep Learning Algorithms with Back-gradient Optimization <b>2017</b> ,		98
204	Gesture Modelling and Recognition by Integrating Declarative Models and Pattern Recognition Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 84-95	0.9	1
203	Deepsquatting: Learning-Based Typosquatting Detection at Deeper Domain Levels. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 347-358	0.9	1
202	Adaptive appearance model tracking for still-to-video face recognition. <i>Pattern Recognition</i> , <b>2016</b> , 49, 129-151	7.7	40
201	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 26, 788-799	6.4	53
200	A (Cyber)ROAD to the Future: A Methodology for Building Cybersecurity Research Roadmaps. <i>Advanced Sciences and Technologies for Security Applications</i> , <b>2016</b> , 53-77	0.6	
199	Adversarial Feature Selection Against Evasion Attacks. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 766-771	10.2	120
198	On Security and Sparsity of Linear Classifiers for Adversarial Settings. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 322-332	0.9	10
197	A Multi-Stage Approach for Fast Person Re-identification. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 63-73	0.9	3
196	Secure Kernel Machines against Evasion Attacks <b>2016</b> ,		28
195	User-specific effects in Fingerprint Presentation Attacks Detection: Insights for future research <b>2016</b> ,		4
194	. <i>IEEE Computational Intelligence Magazine</i> , <b>2016</b> , 11, 36-45	5.6	2
193	Neural shape codes for 3D model retrieval. <i>Pattern Recognition Letters</i> , <b>2015</b> , 65, 15-21	4.7	22
192	Counter-forensics in machine learning based forgery detection <b>2015</b> ,		4
191	Adversarial Biometric Recognition : A review on biometric system security from the adversarial machine-learning perspective. <i>IEEE Signal Processing Magazine</i> , <b>2015</b> , 32, 31-41	9.4	53
190	Super-Sparse Regression for Fast Age Estimation from Faces at Test Time. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 551-562	0.9	2
189	PharmaGuard: Automatic identification of illegal search-indexed online pharmacies <b>2015</b> ,		4
188	2020 Cybercrime Economic Costs: No Measure No Solution <b>2015</b> ,		9

187	LivDet 2015 fingerprint liveness detection competition 2015 <b>2015</b> ,		62
186	On Reducing the Effect of Covariate Factors in Gait Recognition: A Classifier Ensemble Method. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2015</b> , 37, 1521-8	13.3	86
185	An Empirical Investigation on the Use of Diversity for Creation of Classifier Ensembles. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 206-219	0.9	2
184	Support vector machines under adversarial label contamination. <i>Neurocomputing</i> , <b>2015</b> , 160, 53-62	5.4	86
183	Sparse support faces <b>2015</b> ,		4
182	Diversified Sensitivity-Based Undersampling for Imbalance Classification Problems. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 2402-12	10.2	114
181	One-and-a-Half-Class Multiple Classifier Systems for Secure Learning Against Evasion Attacks at Test Time. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 168-180	0.9	20
180	A Classification-Selection Approach for Self Updating of Face Verification Systems Under Stringent Storage and Computational Requirements. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 540-550	0.9	1
179	Fast Image Classification with Reduced Multiclass Support Vector Machines. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 78-88	0.9	2
178	A novel method for head pose estimation based on the Vitruvian Man <i>International Journal of Machine Learning and Cybernetics</i> , <b>2014</b> , 5, 111-124	3.8	3
177	Security Evaluation of Pattern Classifiers under Attack. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 984-996	4.2	200
176	PATTERN RECOGNITION SYSTEMS UNDER ATTACK: DESIGN ISSUES AND RESEARCH CHALLENGES. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>2014</b> , 28, 1460002	1.1	49
175	Poisoning behavioral malware clustering <b>2014</b> ,		59
174	Analysis of unsupervised template update in biometric recognition systems. <i>Pattern Recognition Letters</i> , <b>2014</b> , 37, 151-160	4.7	15
173	Security Evaluation of Support Vector Machines in Adversarial Environments <b>2014</b> , 105-153		45
172	Dynamic Weighted Fusion of Adaptive Classifier Ensembles Based on Changing Data Streams. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 105-116	0.9	1
171	Poisoning Complete-Linkage Hierarchical Clustering. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 42-52	0.9	15
170	Multimodal Anti-spoofing in Biometric Recognition Systems. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2014</b> , 165-184	1.1	2

169	People Search with Textual Queries About Clothing Appearance Attributes <b>2014</b> , 371-389		7
168	LivDet 2013 Fingerprint Liveness Detection Competition 2013 <b>2013</b> ,		93
167	Fingerprint Liveness Detection using Binarized Statistical Image Features <b>2013</b> ,		76
166	Combining gait and face for tackling the elapsed time challenges <b>2013</b> ,		12
165	Poisoning attacks to compromise face templates <b>2013</b> ,		29
164	Biometric system adaptation by self-update and graph-based techniques. <i>Journal of Visual Languages and Computing</i> , <b>2013</b> , 24, 1-9		16
163	Threshold optimisation for multi-label classifiers. <i>Pattern Recognition</i> , <b>2013</b> , 46, 2055-2065	7.7	33
162	Multi-label classification with a reject option. <i>Pattern Recognition</i> , <b>2013</b> , 46, 2256-2266	7.7	35
161	Adversarial attacks against intrusion detection systems: Taxonomy, solutions and open issues. <i>Information Sciences</i> , <b>2013</b> , 239, 201-225	7.7	103
160	Evasion Attacks against Machine Learning at Test Time. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 387-402.	7.9	359
159	Is data clustering in adversarial settings secure? <b>2013</b> ,		38
158	Multimodal fingerprint verification by score-level fusion: An experimental investigation. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2013</b> , 24, 51-60	1.6	4
157	A multi-modal dataset, protocol and tools for adaptive biometric systems: a benchmarking study. <i>International Journal of Biometrics</i> , <b>2013</b> , 5, 266	0.4	5
156	Diversity in Classifier Ensembles: Fertile Concept or Dead End?. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 37-48	0.9	15
155	Exploiting the Golden Ratio on Human Faces for Head-Pose Estimation. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 280-289	0.9	3
154	Pattern Recognition Systems under Attack. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 1-8	0.9	9
153	Estimating the Serial Combination Performance from That of Individual Base Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 622-631	0.9	
152	Evaluation of multimodal biometric score fusion rules under spoof attacks <b>2012</b> ,		13

151	Security evaluation of biometric authentication systems under real spoofing attacks. <i>IET Biometrics</i> , <b>2012</b> , 1, 11	2.9	75
150	Learning sparse kernel machines with biometric similarity functions for identity recognition <b>2012</b> ,		1
149	Evaluation of serial and parallel multibiometric systems under spoofing attacks <b>2012</b> ,		38
148	Critical analysis of adaptive biometric systems. <i>IET Biometrics</i> , <b>2012</b> , 1, 179-187	2.9	29
147	Fast person re-identification based on dissimilarity representations. <i>Pattern Recognition Letters</i> , <b>2012</b> , 33, 1838-1848	4.7	40
146	Fingerprint Liveness Detection Based on Fake Finger Characteristics. <i>International Journal of Digital Crime and Forensics</i> , <b>2012</b> , 4, 1-19	0.7	8
145	Experimental results on the feature-level fusion of multiple fingerprint liveness detection algorithms <b>2012</b> ,		9
144	Why template self-update should work in biometric authentication systems? <b>2012</b> ,		2
143	LivDet 2011 [Fingerprint liveness detection competition 2011] <b>2012</b> ,		105
142	A Bayesian analysis of co-training algorithm with insufficient views <b>2012</b> ,		1
141	A General Method for Appearance-Based People Search Based on Textual Queries. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 453-461	0.9	7
140	Poisoning Adaptive Biometric Systems. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 417-425	0.9	27
139	Large Scale Experiments on Fingerprint Liveness Detection. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 501-509	0.9	7
138	Analysis of Co-training Algorithm with Very Small Training Sets. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 719-726	0.9	10
137	Competition on counter measures to 2-D facial spoofing attacks <b>2011</b> ,		78
136	Machine learning in computer forensics (and the lessons learned from machine learning in computer security) <b>2011</b> ,		5
135	Self adaptive systems: An experimental analysis of the performance over time <b>2011</b> ,		13
134	Robustness analysis of likelihood ratio score fusion rule for multimodal biometric systems under spoof attacks <b>2011</b> ,		15

133	Fusion of multiple clues for photo-attack detection in face recognition systems <b>2011</b> ,		44
132	Robustness of multi-modal biometric verification systems under realistic spoofing attacks <b>2011</b> ,		12
131	A survey and experimental evaluation of image spam filtering techniques. <i>Pattern Recognition Letters</i> , <b>2011</b> , 32, 1436-1446	4.7	54
130	Design of robust classifiers for adversarial environments <b>2011</b> ,		26
129	Classifier Selection Approaches for Multi-label Problems. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 167-176		1
128	Bagging Classifiers for Fighting Poisoning Attacks in Adversarial Classification Tasks. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 350-359	0.9	40
127	A Classification Approach with a Reject Option for Multi-label Problems. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 98-107	0.9	10
126	Robustness Evaluation of Biometric Systems under Spoof Attacks. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 159-168	0.9	13
125	Temporal Analysis of Biometric Template Update Procedures in Uncontrolled Environment. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 595-604	0.9	5
124	Exploiting Depth Information for Indoor-Outdoor Scene Classification. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 130-139	0.9	3
123	A Multiple Component Matching Framework for Person Re-identification. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 140-149	0.9	29
122	Exploiting Dissimilarity Representations for Person Re-identification. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 275-289	0.9	12
121	Fusion of Radio and Video Localization for People Tracking. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 258-263	0.9	5
120	A Score Decidability Index for Dynamic Score Combination <b>2010</b> ,		2
119	Analysis of Fingerprint Pores for Vitality Detection <b>2010</b> ,		58
118	Serial fusion of multi-modal biometric systems <b>2010</b> ,		16
117	Multiple classifier systems for robust classifier design in adversarial environments. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2010</b> , 1, 27-41	3.8	114
116	Multiple Classifier Systems under Attack. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 74-83	0.9	33



115	A Fingerprint Forensic Tool for Criminal Investigations. <i>Advances in Digital Crime, Forensics, and Cyber Terrorism</i> , <b>2010</b> , 23-52	0.2	0
114	Dynamic Linear Combination of Two-Class Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 473-482	0.9	
113	Challenges and Research Directions for Adaptive Biometric Recognition Systems. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 753-764	0.9	17
112	Template Update Methods in Adaptive Biometric Systems: A Critical Review. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 847-856	0.9	29
111	Group-specific face verification using soft biometrics. <i>Journal of Visual Languages and Computing</i> , <b>2009</b> , 20, 101-109		27
110	Liveness detection competition 2009. <i>Biometric Technology Today</i> , <b>2009</b> , 17, 7-9	1	5
109	Personal identity verification by serial fusion of fingerprint and face matchers. <i>Pattern Recognition</i> , <b>2009</b> , 42, 2807-2817	7.7	42
108	Designing multiple biometric systems: Measures of ensemble effectiveness. <i>Engineering Applications of Artificial Intelligence</i> , <b>2009</b> , 22, 66-78	7.2	5
107	Information fusion for computer security: State of the art and open issues. <i>Information Fusion</i> , <b>2009</b> , 10, 274-284	16.7	40
106	Multiple Classifier Systems for Adversarial Classification Tasks. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 132-141	0.9	16
105	Dynamic Score Combination: A Supervised and Unsupervised Score Combination Method. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 163-177	0.9	11
104	Evade Hard Multiple Classifier Systems. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 15-38	0.8	8
103	First International Fingerprint Liveness Detection Competition LivDet 2009. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 12-23	0.9	75
102	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> , <b>2009</b> , 434-442	0.9	11
101	Modelling FRR of Biometric Verification Systems Using the Template Co-update Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 765-774	0.9	
100	Bayesian Linear Combination of Neural Networks. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 201-230	0.8	
99	Semi-supervised Co-update of Multiple Matchers. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 152-160	0.9	1
98	Biometric template update using the graph mincut algorithm : A case study in face verification <b>2008</b> ,		21

97	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> , <b>2008</b> , 684-693	0.9	9
96	A theoretical analysis of bagging as a linear combination of classifiers. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2008</b> , 30, 1293-9	13.3	51
95	Adaptive Biometric Systems That Can Improve with Use <b>2008</b> , 447-471		31
94	Online and Offline Fingerprint Template Update Using Minutiae: An Experimental Comparison. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 441-448	0.9	2
93	FINGERPRINT SILICON REPLICAS: STATIC AND DYNAMIC FEATURES FOR VITALITY DETECTION USING AN OPTICAL CAPTURE DEVICE. <i>International Journal of Image and Graphics</i> , <b>2008</b> , 08, 495-512	0.5	34
92	Replacement Algorithms for Fingerprint Template Update. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 884-893	0.9	10
91	Performance of fingerprint quality measures depending on sensor technology. <i>Journal of Electronic Imaging</i> , <b>2008</b> , 17, 011008	0.7	9
90	Dynamic score combination of binary experts <b>2008</b> ,		2
89	Capturing large intra-class variations of biometric data by template co-updating <b>2008</b> ,		16
88	Intrusion detection in computer networks by a modular ensemble of one-class classifiers. <i>Information Fusion</i> , <b>2008</b> , 9, 69-82	16.7	146
87	Combination of Experts by Classifiers in Similarity Score Spaces. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 821-830	0.9	1
86	Intrusion Detection in Computer Systems Using Multiple Classifier Systems. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 91-113	0.8	6
85	Adversarial Pattern Classification Using Multiple Classifiers and Randomisation. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 500-509	0.9	26
84	Template Selection by Editing Algorithms: A Case Study in Face Recognition. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 745-754	0.9	6
83	A Theoretical and Experimental Analysis of Template Co-update in Biometric Verification Systems. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 765-774	0.9	3
82	Power spectrum-based fingerprint vitality detection <b>2007</b> ,		45
81	Dynamic Score Selection for Fusion of Multiple Biometric Matchers <b>2007</b> ,		10
80	Score-level fusion of fingerprint and face matchers for personal verification under "stress" conditions <b>2007</b> ,		8

79	Vitality Detection from Fingerprint Images: A Critical Survey. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 722-731	0.9	23
78	Image Spam Filtering Using Visual Information <b>2007</b> ,		20
77	Comparison of fingerprint quality measures using an optical and a capacitive sensor <b>2007</b> ,		11
76	Index Driven Combination of Multiple Biometric Experts for AUC Maximisation <b>2007</b> , 357-366		1
75	Graph-Based and Structural Methods for Fingerprint Classification <b>2007</b> , 205-226		4
74	Serial Fusion of Fingerprint and Face Matchers. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 151-160	0.9	8
73	Bayesian Analysis of Linear Combiners <b>2007</b> , 292-301		18
72	Ensemble Learning in Linearly Combined Classifiers Via Negative Correlation <b>2007</b> , 440-449		4
71	Selection of Experts for the Design of Multiple Biometric Systems. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 795-809	0.9	4
70	Template Co-update in Multimodal Biometric Systems. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 1194-1202		23
69	Alarm clustering for intrusion detection systems in computer networks. <i>Engineering Applications of Artificial Intelligence</i> , <b>2006</b> , 19, 429-438	7.2	57
68	DECISION-LEVEL FUSION OF PCA AND LDA-BASED FACE RECOGNITION ALGORITHMS. <i>International Journal of Image and Graphics</i> , <b>2006</b> , 06, 293-311	0.5	8
67	Using Co-training and Self-training in Semi-supervised Multiple Classifier Systems. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 522-530	0.9	14
66	Analysis and Selection of Features for the Fingerprint Vitality Detection. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 907-915	0.9	7
65	Semi-supervised PCA-Based Face Recognition Using Self-training. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 560-568	0.9	49
64	A theoretical and experimental analysis of linear combiners for multiple classifier systems. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2005</b> , 27, 942-56	13.3	217
63	Alarm Clustering for Intrusion Detection Systems in Computer Networks. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 184-193	0.9	8
62	Fusion of multiple fingerprint matchers by single-layer perceptron with class-separation loss function. <i>Pattern Recognition Letters</i> , <b>2005</b> , 26, 1830-1839	4.7	27

61	A study on the performances of dynamic classifier selection based on local accuracy estimation. <i>Pattern Recognition</i> , <b>2005</b> , 38, 2188-2191	7.7	92
60	Semi-supervised Multiple Classifier Systems: Background and Research Directions. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 1-11	0.9	19
59	An Experimental Comparison of Fingerprint Classification Methods Using Graphs. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 281-290	0.9	9
58	Score Selection Techniques for Fingerprint Multi-modal Biometric Authentication. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 1018-1025	0.9	2
57	Network Intrusion Detection by Combining One-Class Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 58-65	0.9	7
56	Fusion of appearance-based face recognition algorithms. <i>Pattern Analysis and Applications</i> , <b>2004</b> , 7, 151	2.3	20
55	Analysis of error-reject trade-off in linearly combined multiple classifiers. <i>Pattern Recognition</i> , <b>2004</b> , 37, 1245-1265	7.7	33
54	Bayesian relevance feedback for content-based image retrieval. <i>Pattern Recognition</i> , <b>2004</b> , 37, 1499-1508	7.7	37
53	Fingerprint verification by fusion of optical and capacitive sensors. <i>Pattern Recognition Letters</i> , <b>2004</b> , 25, 1315-1322	4.7	54
52	High Security Fingerprint Verification by Perceptron-Based Fusion of Multiple Matchers. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 364-373	0.9	4
51	Fingerprint Verification by Decision-Level Fusion of Optical and Capacitive Sensors. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 307-317	0.9	2
50	A Two-Stage Classifier with Reject Option for Text Categorisation. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 771-779	0.9	5
49	Combining flat and structured representations for fingerprint classification with recursive neural networks and support vector machines. <i>Pattern Recognition</i> , <b>2003</b> , 36, 397-406	7.7	74
48	Fusion of multiple classifiers for intrusion detection in computer networks. <i>Pattern Recognition Letters</i> , <b>2003</b> , 24, 1795-1803	4.7	118
47	Experimental Results on Fusion of Multiple Fingerprint Matchers. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 814-820	0.9	7
46	Fusion of Statistical and Structural Fingerprint Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 310-317	1.7	11
45	A Modular Multiple Classifier System for the Detection of Intrusions in Computer Networks. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 346-355	0.9	12
44	The Behavior Knowledge Space Fusion Method: Analysis of Generalization Error and Strategies for Performance Improvement. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 55-64	0.9	19

43	Linear Combiners for Classifier Fusion: Some Theoretical and Experimental Results. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 74-83	0.9	6
42	Dissimilarity Representation of Images for Relevance Feedback in Content-Based Image Retrieval <b>2003</b> , 202-214		4
41	Fusion of Face Recognition Algorithms for Video-Based Surveillance Systems <b>2003</b> , 235-249		12
40	A note on core research issues for statistical pattern recognition. <i>Pattern Recognition Letters</i> , <b>2002</b> , 23, 493-499	4.7	19
39	STOCK MARKET PREDICTION BY A MIXTURE OF GENETIC-NEURAL EXPERTS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>2002</b> , 16, 501-526	1.1	21
38	Support Vector Machines with Embedded Reject Option. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 68-82	0.9	46
37	Query Shifting Based on Bayesian Decision Theory for Content-Based Image Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 607-616	0.9	1
36	An Experimental Comparison of Fixed and Trained Fusion Rules for Crisp Classifier Outputs. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 232-241	0.9	13
35	Analysis of Linear and Order Statistics Combiners for Fusion of Imbalanced Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 252-261	0.9	17
34	An Experimental Comparison of Classifier Fusion Rules for Multimodal Personal Identity Verification Systems. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 325-335	0.9	32
33	Fusion of LDA and PCA for Face Verification. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 30-37	0.9	29
32	Performance Analysis and Comparison of Linear Combiners for Classifier Fusion. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 424-432	0.9	18
31	Classifier fusion for multisensor image recognition <b>2001</b> , 4170, 103		4
30	Support vector machines for remote sensing image classification <b>2001</b> , 4170, 160		29
29	An approach to the automatic design of multiple classifier systems. <i>Pattern Recognition Letters</i> , <b>2001</b> , 22, 25-33	4.7	151
28	Dynamic classifier selection based on multiple classifier behaviour. <i>Pattern Recognition</i> , <b>2001</b> , 34, 1879-1881		181
27	Design of effective neural network ensembles for image classification purposes. <i>Image and Vision Computing</i> , <b>2001</b> , 19, 699-707	3.7	261
26	Methods for Designing Multiple Classifier Systems. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 78-87	0.9	78

25	Adaptive Query Shifting for Content-Based Image Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 337-346	0.9	6
24	Fingerprint Classification by Combination of Flat and Structural Approaches. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 241-246	0.9	17
23	A New Machine Learning Approach to Fingerprint Classification. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 57-63	0.9	3
22	Error Rejection in Linearly Combined Multiple Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 329-338	0.9	2
21	Selection of image classifiers. <i>Electronics Letters</i> , <b>2000</b> , 36, 420	1.1	13
20	Reject option with multiple thresholds. <i>Pattern Recognition</i> , <b>2000</b> , 33, 2099-2101	7.7	114
19	Combination of neural and statistical algorithms for supervised classification of remote-sensing images. <i>Pattern Recognition Letters</i> , <b>2000</b> , 21, 385-397	4.7	79
18	Dynamic Classifier Selection. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 177-189	0.9	25
17	Multiple Reject Thresholds for Improving Classification Reliability. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 863-871	0.9	13
16	Selection of Classifiers Based on Multiple Classifier Behaviour. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 87-93	0.9	6
15	A new information system in support of landscape assessment: PLAINS. <i>Computers, Environment and Urban Systems</i> , <b>1999</b> , 23, 459-467	5.9	2
14	Automatic Design of Multiple Classifier Systems by Unsupervised Learning. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 131-143	0.9	3
13	A parallel network of modified 1-NN and k-NN classifiers [Application to remote-sensing image classification. <i>Pattern Recognition Letters</i> , <b>1998</b> , 19, 57-62	4.7	16
12	Structured neural networks for signal classification. <i>Signal Processing</i> , <b>1998</b> , 64, 271-290	4.4	11
11	Adaptive selection of image classifiers. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 38-45	0.9	23
10	Application of neural networks and statistical pattern recognition algorithms to earthquake risk evaluation. <i>Pattern Recognition Letters</i> , <b>1997</b> , 18, 1353-1362	4.7	24
9	Comparison and Combination of Statistical and Neural Network Algorithms for Remote-Sensing Image Classification <b>1997</b> , 117-124		9
8	An experimental comparison of neural and statistical non-parametric algorithms for supervised classification of remote-sensing images. <i>Pattern Recognition Letters</i> , <b>1996</b> , 17, 1331-1341	4.7	69

7	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1995</b> , 33, 562-578	8.1	89
6	An extension of the Jeffreys-Matusita distance to multiclass cases for feature selection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1995</b> , 33, 1318-1321	8.1	166
5	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>1994</b> , 12, 1553-1565	14.2	2
4	. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>1994</b> , 16, 92-98	13.3	13
3	Adaptive Multibiometric Systems143-170		1
2	Fingerprint Liveness Detection Based on Fake Finger Characteristics1-17		
1	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