

SÃ©bastien Marcel

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,850
citations

516710

16
h-index

752698

20
g-index

28
all docs

28
docs citations

28
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	Image Quality Assessment for Fake Biometric Detection: Application to Iris, Fingerprint, and Face Recognition. IEEE Transactions on Image Processing, 2014, 23, 710-724.	9.8	504
2	Spoofing Face Recognition With 3D Masks. IEEE Transactions on Information Forensics and Security, 2014, 9, 1084-1097.	6.9	197
3	Biometric Face Presentation Attack Detection With Multi-Channel Convolutional Neural Network. IEEE Transactions on Information Forensics and Security, 2020, 15, 42-55.	6.9	135
4	Deep Pixel-wise Binary Supervision for Face Presentation Attack Detection. , 2019, , .		117
5	The Replay-Mobile Face Presentation-Attack Database. , 2016, , .		106
6	Biometrics Evaluation Under Spoofing Attacks. IEEE Transactions on Information Forensics and Security, 2014, 9, 2264-2276.	6.9	74
7	Spoofing Deep Face Recognition with Custom Silicone Masks. , 2018, , .		65
8	Bi-modal biometric authentication on mobile phones in challenging conditions. Image and Vision Computing, 2014, 32, 1147-1160.	4.5	59
9	Joint Speaker Verification and Antispoofing in the ℓ_2 -Vector Space. IEEE Transactions on Information Forensics and Security, 2015, 10, 821-832.	6.9	59
10	A Scalable Formulation of Probabilistic Linear Discriminant Analysis: Applied to Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1788-1794.	13.9	58
11	Face Recognition Systems Under Spoofing Attacks. , 2016, , 165-194.		54
12	Learning One Class Representations for Face Presentation Attack Detection Using Multi-Channel Convolutional Neural Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 361-375.	6.9	54
13	Deep Models and Shortwave Infrared Information to Detect Face Presentation Attacks. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 399-409.	4.4	53
14	Keystroke Biometrics Ongoing Competition. IEEE Access, 2016, 4, 7736-7746.	4.2	51
15	Heterogeneous Face Recognition Using Domain Specific Units. IEEE Transactions on Information Forensics and Security, 2019, 14, 1803-1816.	6.9	49
16	Deeply vulnerable: a study of the robustness of face recognition to presentation attacks. IET Biometrics, 2018, 7, 15-26.	2.5	45
17	What You Can't See Can Help You - Extended-Range Imaging for 3D-Mask Presentation Attack Detection. , 2017, , .		34
18	Cross-Pollination of Normalization Techniques From Speaker to Face Authentication Using Gaussian Mixture Models. IEEE Transactions on Information Forensics and Security, 2012, 7, 553-562.	6.9	29

#	ARTICLE	IF	CITATIONS
19	Impact of Score Fusion on Voice Biometrics and Presentation Attack Detection in Cross-Database Evaluations. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 695-705.	10.8	23
20	Score calibration in face recognition. IET Biometrics, 2014, 3, 246-256.	2.5	19
21	Multispectral Deep Embeddings as a Countermeasure to Custom Silicone Mask Presentation Attacks. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2019, 1, 238-251.	4.4	17
22	Domain Adaptation in Multi-Channel Autoencoder based Features for Robust Face Anti-Spoofing. , 2019, , .		16
23	Face Recognition in Challenging Environments: An Experimental and Reproducible Research Survey. , 2016, , 247-280.		12
24	Feature distribution modelling techniques for 3D face verification. Pattern Recognition Letters, 2010, 31, 1324-1330.	4.2	6
25	Domain-Specific Adaptation of CNN for Detecting Face Presentation Attacks in NIR. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2022, 4, 135-147.	4.4	5
26	CNN Patch Pooling for Detecting 3D Mask Presentation Attacks in NIR. , 2020, , .		4
27	A Comprehensive Experimental and Reproducible Study on Selfie Biometrics in Multistream and Heterogeneous Settings. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2019, 1, 210-222.	4.4	3
28	Multispectral Biometrics System Framework: Application to Presentation Attack Detection. IEEE Sensors Journal, 2021, , 1-1.	4.7	2