

Sbastien Marcel

List of Publications by Year in Descending Order

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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.

52
papers

2,856
citations

27
h-index

53
g-index

55
ext. papers

3,512
ext. citations

4.4
avg, IF

5.83
L-index

#	Paper	IF	Citations
52	The Threat of Deepfakes to Computer and Human Visions. <i>Advances in Computer Vision and Pattern Recognition</i> , 2022 , 97-115	1.1	
51	Cross Modal Focal Loss for RGBD Face Anti-Spoofing 2021 ,		9
50	Learning One Class Representations for Face Presentation Attack Detection Using Multi-Channel Convolutional Neural Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 361-375	8	20
49	On the Effectiveness of Vision Transformers for Zero-shot Face Anti-Spoofing 2021 ,		8
48	Multi-channel Face Presentation Attack Detection Using Deep Learning. <i>Advances in Computer Vision and Pattern Recognition</i> , 2021 , 269-304	1.1	1
47	Deep Models and Shortwave Infrared Information to Detect Face Presentation Attacks. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2020 , 2, 399-409	4.3	21
46	Biometric Face Presentation Attack Detection With Multi-Channel Convolutional Neural Network. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 42-55	8	58
45	A Comprehensive Experimental and Reproducible Study on Selfie Biometrics in Multistream and Heterogeneous Settings. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2019 , 1, 210-222	4.3	2
44	Multispectral Deep Embeddings as a Countermeasure to Custom Silicone Mask Presentation Attacks. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2019 , 1, 238-251	4.3	10
43	Deep Pixel-wise Binary Supervision for Face Presentation Attack Detection 2019 ,		61
42	Vulnerability assessment and detection of Deepfake videos 2019 ,		28
41	Evaluation Methodologies for Biometric Presentation Attack Detection. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 457-480	1.1	11
40	Recent Advances in Face Presentation Attack Detection. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 207-228	1.1	10
39	Remote Blood Pulse Analysis for Face Presentation Attack Detection. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 267-289	1.1	7
38	Deeply vulnerable: a study of the robustness of face recognition to presentation attacks. <i>IET Biometrics</i> , 2018 , 7, 15-26	2.9	29
37	2018 ,		9
36	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017 , 11, 695-705	7.5	17

35	Face Recognition Systems Under Spoofing Attacks 2016 , 165-194		36
34	Face Recognition in Challenging Environments: An Experimental and Reproducible Research Survey 2016 , 247-280		9
33	The Replay-Mobile Face Presentation-Attack Database 2016 ,		73
32	. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 821-832	8	41
31	Impact of eye detection error on face recognition performance. <i>IET Biometrics</i> , 2015 , 4, 137-150	2.9	6
30	Biometrics Systems Under Spoofing Attack: An evaluation methodology and lessons learned. <i>IEEE Signal Processing Magazine</i> , 2015 , 32, 20-30	9.4	113
29	On the vulnerability of speaker verification to realistic voice spoofing 2015 ,		44
28	Finger vein liveness detection using motion magnification 2015 ,		30
27	Motion-based counter-measures to photo attacks in face recognition. <i>IET Biometrics</i> , 2014 , 3, 147-158	2.9	103
26	Spoofing Face Recognition With 3D Masks. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 1084-1097	8	140
25	Bi-modal biometric authentication on mobile phones in challenging conditions. <i>Image and Vision Computing</i> , 2014 , 32, 1147-1160	3.7	28
24	Biometric Antispoofing Methods: A Survey in Face Recognition. <i>IEEE Access</i> , 2014 , 2, 1530-1552	3.5	221
23	Biometrics Evaluation Under Spoofing Attacks. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 2264-2276	8	50
22	Score calibration in face recognition. <i>IET Biometrics</i> , 2014 , 3, 246-256	2.9	13
21	Image Quality Assessment for Fake Biometric Detection: Application to Iris, Fingerprint, and Face Recognition. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 710-24	8.7	377
20	Face Recognition for Biometrics 2014 , 101-116		
19	Face Anti-spoofing: Visual Approach. <i>Advances in Computer Vision and Pattern Recognition</i> , 2014 , 65-82	1.1	6
18	Session variability modelling for face authentication. <i>IET Biometrics</i> , 2013 , 2, 117-129	2.9	15

17	A scalable formulation of probabilistic linear discriminant analysis: applied to face recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 1788-94	13.3	48
16	Spoofing in 2D face recognition with 3D masks and anti-spoofing with Kinect 2013 ,		129
15	Complementary countermeasures for detecting scenic face spoofing attacks 2013 ,		65
14	Anti-spoofing in Action: Joint Operation with a Verification System 2013 ,		39
13	Cross-Pollination of Normalization Techniques From Speaker to Face Authentication Using Gaussian Mixture Models. <i>IEEE Transactions on Information Forensics and Security</i> , 2012 , 7, 553-562	8	24
12	Bi-Modal Person Recognition on a Mobile Phone: Using Mobile Phone Data 2012 ,		127
11	A Fast Parts-Based Approach to Speaker Verification Using Boosted Slice Classifiers. <i>IEEE Transactions on Information Forensics and Security</i> , 2012 , 7, 241-254	8	17
10	An Open Source Framework for Standardized Comparisons of Face Recognition Algorithms. <i>Lecture Notes in Computer Science</i> , 2012 , 547-556	0.9	12
9	Bob 2012 ,		82
8	Competition on counter measures to 2-D facial spoofing attacks 2011 ,		78
7	Counter-measures to photo attacks in face recognition: A public database and a baseline 2011 ,		172
6	Inter-session variability modelling and joint factor analysis for face authentication 2011 ,		25
5	Feature distribution modelling techniques for 3D face verification. <i>Pattern Recognition Letters</i> , 2010 , 31, 1324-1330	4.7	6
4	On the vulnerability of face verification systems to hill-climbing attacks. <i>Pattern Recognition</i> , 2010 , 43, 1027-1038	7.7	75
3	Parts-Based Face Verification Using Local Frequency Bands. <i>Lecture Notes in Computer Science</i> , 2009 , 259-268	0.9	6
2	Person authentication using brainwaves (EEG) and maximum a posteriori model adaptation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 743-52	13.3	305
1	Comparison of MLP and GMM Classifiers for Face Verification on XM2VTS. <i>Lecture Notes in Computer Science</i> , 2003 , 911-920	0.9	36