Sbastien Marcel

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.

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	Image Quality Assessment for Fake Biometric Detection: Application to Iris, Fingerprint, and Face Recognition. *IEEE Transactions on Image Processing*, **2014**, 23, 710-24	8.7	377
51	Person authentication using brainwaves (EEG) and maximum a posteriori model adaptation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2007**, 29, 743-52	13.3	305
50	Biometric Antispoofing Methods: A Survey in Face Recognition. *IEEE Access*, **2014**, 2, 1530-1552	3.5	221
49	Counter-measures to photo attacks in face recognition: A public database and a baseline **2011**,		172
48	Spoofing Face Recognition With 3D Masks. *IEEE Transactions on Information Forensics and Security*, **2014**, 9, 1084-1097	8	140
47	Spoofing in 2D face recognition with 3D masks and anti-spoofing with Kinect **2013**,		129
46	Bi-Modal Person Recognition on a Mobile Phone: Using Mobile Phone Data **2012**,		127
45	Biometrics Systems Under Spoofing Attack: An evaluation methodology and lessons learned. *IEEE Signal Processing Magazine*, **2015**, 32, 20-30	9.4	113
44	Motion-based counter-measures to photo attacks in face recognition. *IET Biometrics*, **2014**, 3, 147-158	2.9	103
43	Bob **2012**,		82
42	Competition on counter measures to 2-D facial spoofing attacks **2011**,		78
41	On the vulnerability of face verification systems to hill-climbing attacks. *Pattern Recognition*, **2010**, 43, 1027-1038	7.7	75
40	The Replay-Mobile Face Presentation-Attack Database **2016**,		73
39	Complementary countermeasures for detecting scenic face spoofing attacks **2013**,		65
38	Deep Pixel-wise Binary Supervision for Face Presentation Attack Detection **2019**,		61
37	Biometric Face Presentation Attack Detection With Multi-Channel Convolutional Neural Network. *IEEE Transactions on Information Forensics and Security*, **2020**, 15, 42-55	8	58
36	Biometrics Evaluation Under Spoofing Attacks. *IEEE Transactions on Information Forensics and Security*, **2014**, 9, 2264-2276	8	50

35	A scalable formulation of probabilistic linear discriminant analysis: applied to face recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2013**, 35, 1788-94	13.3	48
34	On the vulnerability of speaker verification to realistic voice spoofing **2015**,		44
33	. *IEEE Transactions on Information Forensics and Security*, **2015**, 10, 821-832	8	41
32	Anti-spoofing in Action: Joint Operation with a Verification System **2013**,		39
31	Face Recognition Systems Under Spoofing Attacks **2016**, 165-194		36
30	Comparison of MLP and GMM Classifiers for Face Verification on XM2VTS. *Lecture Notes in Computer Science*, **2003**, 911-920	0.9	36
29	Finger vein liveness detection using motion magnification **2015**,		30
28	Deeply vulnerable: a study of the robustness of face recognition to presentation attacks. *IET Biometrics*, **2018**, 7, 15-26	2.9	29
27	Bi-modal biometric authentication on mobile phones in challenging conditions. *Image and Vision Computing*, **2014**, 32, 1147-1160	3.7	28
26	Vulnerability assessment and detection of Deepfake videos **2019**,		28
25	Inter-session variability modelling and joint factor analysis for face authentication **2011**,		25
24	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	8	24
23	Deep Models and Shortwave Infrared Information to Detect Face Presentation Attacks. *IEEE Transactions on Biometrics, Behavior, and Identity Science*, **2020**, 2, 399-409	4.3	21
22	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	8	20
21	. *IEEE Journal on Selected Topics in Signal Processing*, **2017**, 11, 695-705	7.5	17
20	A Fast Parts-Based Approach to Speaker Verification Using Boosted Slice Classifiers. *IEEE Transactions on Information Forensics and Security*, **2012**, 7, 241-254	8	17
19	Session variability modelling for face authentication. *IET Biometrics*, **2013**, 2, 117-129	2.9	15
18	Score calibration in face recognition. *IET Biometrics*, **2014**, 3, 246-256	2.9	13

17	An Open Source Framework for Standardized Comparisons of Face Recognition Algorithms. *Lecture Notes in Computer Science*, **2012**, 547-556	0.9	12
16	Evaluation Methodologies for Biometric Presentation Attack Detection. *Advances in Computer Vision and Pattern Recognition*, **2019**, 457-480	1.1	11
15	Multispectral Deep Embeddings as a Countermeasure to Custom Silicone Mask Presentation Attacks. *IEEE Transactions on Biometrics, Behavior, and Identity Science*, **2019**, 1, 238-251	4.3	10
14	Recent Advances in Face Presentation Attack Detection. *Advances in Computer Vision and Pattern Recognition*, **2019**, 207-228	1.1	10
13	Face Recognition in Challenging Environments: An Experimental and Reproducible Research Survey **2016**, 247-280		9
12	Cross Modal Focal Loss for RGBD Face Anti-Spoofing **2021**,		9
11	**2018**,		9
10	On the Effectiveness of Vision Transformers for Zero-shot Face Anti-Spoofing **2021**,		8
9	Remote Blood Pulse Analysis for Face Presentation Attack Detection. *Advances in Computer Vision and Pattern Recognition*, **2019**, 267-289	1.1	7
8	Impact of eye detection error on face recognition performance. *IET Biometrics*, **2015**, 4, 137-150	2.9	6
7	Feature distribution modelling techniques for 3D face verification. *Pattern Recognition Letters*, **2010**, 31, 1324-1330	4.7	6
6	Parts-Based Face Verification Using Local Frequency Bands. *Lecture Notes in Computer Science*, **2009**, 259-268	0.9	6
5	Face Anti-spoofing: Visual Approach. *Advances in Computer Vision and Pattern Recognition*, **2014**, 65-82	1.1	6
4	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	4.3	2
3	Multi-channel Face Presentation Attack Detection Using Deep Learning. *Advances in Computer Vision and Pattern Recognition*, **2021**, 269-304	1.1	1
2	The Threat of Deepfakes to Computer and Human Visions. *Advances in Computer Vision and Pattern Recognition*, **2022**, 97-115	1.1	
1	Face Recognition for Biometrics **2014**, 101-116		