Jean-Luc Dugelay

List of Publications by Year
in descending order

157 papers	3,803 citations	304602 22 h-index	197736 49 g-index
160 all docs	160 docs citations	160 times ranked	2746 citing authors

#	Article	IF	Citations
1	A guide tour of video watermarking. Signal Processing: Image Communication, 2003, 18, 263-282.	1.8	290
2	Digital image forensics: a booklet for beginners. Multimedia Tools and Applications, 2011, 51, 133-162.	2.6	276
3	KinectFaceDB: A Kinect Database for Face Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1534-1548.	5.9	206
4	A Survey of Watermarking Algorithms for Image Authentication. Eurasip Journal on Advances in Signal Processing, 2002, 2002, 1.	1.0	194
5	Bag of soft biometrics for person identification. Multimedia Tools and Applications, 2011, 51, 739-777.	2.6	185
6	Reversible Image Data Hiding with Contrast Enhancement. IEEE Signal Processing Letters, 2015, 22, 81-85.	2.1	140
7	Security Pitfalls of Frame-by-Frame Approaches to Video Watermarking. IEEE Transactions on Signal Processing, 2004, 52, 2955-2964.	3.2	106
8	Effective training of convolutional neural networks for face-based gender and age prediction. Pattern Recognition, 2017, 72, 15-26.	5.1	104
9	Improving the recognition of faces occluded by facial accessories. , 2011, , .		101
10	A subspace co-training framework for multi-view clustering. Pattern Recognition Letters, 2014, 41, 73-82.	2.6	85
11	Minimalistic CNN-based ensemble model for gender prediction from face images. Pattern Recognition Letters, 2016, 70, 59-65.	2.6	83
12	Moving face spoofing detection via 3D projective invariants. , 2012, , .		73
13	Learned vs. Hand-Crafted Features for Pedestrian Gender Recognition. , 2015, , .		67
14	Autonomous drones for assisting rescue services within the context of natural disasters. , 2014, , .		66
15	Texture-based watermarking of 3-D video objects. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 853-866.	5.6	53
16	An Efficient LBP-Based Descriptor for Facial Depth Images Applied to Gender Recognition Using RGB-D Face Data. Lecture Notes in Computer Science, 2013, , 133-145.	1.0	53
17	Still-image watermarking robust to local geometric distortions. IEEE Transactions on Image Processing, 2006, 15, 2831-2842.	6.0	50
18	Person recognition using facial video information: A state of the art. Journal of Visual Languages and Computing, 2009, 20, 180-187.	1.8	49

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19	Apparent Age Estimation from Face Images Combining General and Children-Specialized Deep Learning Models. , 2016, , .		47
20	Multimodal authentication on smartphones: Combining iris and sensor recognition for a double check of user identity. Pattern Recognition Letters, 2016, 82, 144-153.	2.6	45
21	Countermeasure for the protection of face recognition systems against mask attacks. , 2013, , .		43
22	Reflectance analysis based countermeasure technique to detect face mask attacks. , 2013, , .		41
23	Towards crowd density-aware video surveillance applications. Information Fusion, 2015, 24, 3-15.	11.7	40
24	Weight estimation from visual body appearance. , 2010, , .		38
25	Classification of captured and recaptured images to detect photograph spoofing. , 2012, , .		38
26	Geometric invariants for 2D/3D face recognition. Pattern Recognition Letters, 2007, 28, 1907-1914.	2.6	34
27	On the vulnerability of face recognition systems to spoofing mask attacks. , 2013, , .		34
28	Efficient Detection of Occlusion prior to Robust Face Recognition. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	29
29	Reversible watermarking of 3D mesh models by prediction-error expansion. , 2008, , .		28
30	Person recognition using a bag of facial soft biometrics (BoFSB). , 2010, , .		27
31	Crowd density map estimation based on feature tracks. , 2013, , .		27
32	Crowd density analysis using subspace learning on local binary pattern. , 2013, , .		27
33	The IST-EURECOM Light Field Face Database. , 2017, , .		27
34	Differential methods for the identification of 2D and 3D motion models in image sequences. Signal Processing: Image Communication, 1995, 7, 105-127.	1.8	26
35	Mask spoofing in face recognition and countermeasures. Image and Vision Computing, 2014, 32, 779-789.	2.7	26
36	Facial makeup detection technique based on texture and shape analysis. , 2015, , .		26

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37	FIRE: Fast Iris REcognition on mobile phones by combining colour and texture features. Pattern Recognition Letters, 2017, 91, 44-51.	2.6	25
38	Combining Edge Detection and Region Segmentation for Lip Contour Extraction. Lecture Notes in Computer Science, 2010, , 11-20.	1.0	25
39	People re-identification in camera networks based on probabilistic color histograms. Proceedings of SPIE, 2011, , .	0.8	24
40	Low level crowd analysis using frame-wise normalized feature for people counting. , 2012, , .		24
41	Facial cosmetics database and impact analysis on automatic face recognition. , 2013, , .		24
42	Recent Advances in Biometric Technology for Mobile Devices. , 2018, , .		24
43	Soft biometrics systems: Reliability and asymptotic bounds. , 2010, , .		23
44	Spatio-temporal crowd density model in a human detection and tracking framework. Signal Processing: Image Communication, 2015, 31, 100-111.	1.8	22
45	Spatial and temporal variations of feature tracks for crowd behavior analysis. Journal on Multimodal User Interfaces, 2016, 10, 307-317.	2.0	22
46	Semi-supervised face recognition with LDA self-training. , 2011, , .		21
47	UAVs for humanitarian missions: Autonomy and reliability. , 2014, , .		21
48	A probabilistic model of face mapping with local transformations and its application to person recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1157-1171.	9.7	20
49	Frontal-to-side face re-identification based on hair, skin and clothes patches. , 2011, , .		20
50	Perspective Morphometric Criteria for Facial Beauty and Proportion Assessment. Applied Sciences (Switzerland), 2020, 10, 8.	1.3	20
51	On the reliability of eye color as a soft biometric trait. , 2011, , .		19
52	Shape and Texture Based Countermeasure to Protect Face Recognition Systems against Mask Attacks. , 2013, , .		19
53	Framework for objective evaluation of privacy filters. Proceedings of SPIE, 2013, , .	0.8	19
54	3D Assisted Face Recognition: Dealing With Expression Variations. IEEE Transactions on Information Forensics and Security, 2014, 9, 826-838.	4.5	19

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55	<title>Possible counter-attacks against random geometric distortions</title>. , 2000, , .		18
56	Robust foreground segmentation using improved Gaussian Mixture Model and optical flow. , 2012, , .		17
57	Search pruning in video surveillance systems: Efficiency-reliability tradeoff. , 2011, , .		16
58	Demographic classification: Do gender and ethnicity affect each other?. , 2012, , .		16
59	On the Design of an Intelligent Sensor Network for Flash Flood Monitoring, Diagnosis and Management in Urban Areas Position Paper. Procedia Computer Science, 2014, 32, 941-946.	1.2	16
60	Facial gender recognition using multiple sources of visual information. , 2008, , .		15
61	On the use of dynamic features in face biometrics: recent advances and challenges. Signal, Image and Video Processing, 2011, 5, 495-506.	1.7	14
62	Scrambling faces for privacy protection using background self-similarities. , 2014, , .		12
63	Image-based gender estimation from body and face across distances. , 2016, , .		12
64	Adversarial attacks through architectures and spectra in face recognition. Pattern Recognition Letters, 2021, 147, 55-62.	2.6	12
65	A visual analysis/synthesis feedback loop for accurate face tracking. Signal Processing: Image Communication, 2001, 16, 585-608.	1.8	11
66	Secure background watermarking based on video mosaicing. , 2004, , .		11
67	Person Recognition based on Head and Mouth Dynamics. , 2006, , .		11
68	Building the space scale or how to weigh a person with no gravity. , 2012, , .		11
69	Improving identification by pruning: A case study on face recognition and body soft biometric. , 2012, , .		11
70	Assessment of female facial beauty based on anthropometric, non-permanent and acquisition characteristics. Multimedia Tools and Applications, 2015, 74, 11331-11355.	2.6	11
71	Light Fields for Face Analysis. Sensors, 2019, 19, 2687.	2.1	11
72	Online face detection and user authentication. , 2005, , .		10

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73	Toward a 3D watermarking benchmark. , 2007, , .		10
74	The image Text Recognition Graph (iTRG). , 2009, , .		10
75	Face recognition with DAISY descriptors. , 2010, , .		10
76	On discriminative properties of TPS warping parameters for 3D face recognition. , 2012, , .		10
77	Inpainting of sparse occlusion in face recognition. , 2012, , .		10
78	An Efficient Iris and Eye Corners Extraction Method. Lecture Notes in Computer Science, 2010, , 549-558.	1.0	9
79	Impact analysis of nose alterations on 2D and 3D face recognition. , 2012, , .		9
80	Biometrics: In Search of Identity and Security (Q & A). IEEE MultiMedia, 2017, , 1-1.	1.5	9
81	A Behavioural Approach to Person Recognition. , 2006, , .		8
82	Improved combination of LBP and sparse representation based classification (SRC) for face recognition. , 2011, , .		8
83	Improved depth map estimation in stereo vision. Proceedings of SPIE, 2011, , .	0.8	8
84	Enhancing human detection using crowd density measures and an adaptive correction filter. , 2013, , .		8
85	Privacy protecting, intelligibility preserving video surveillance. , 2016, , .		8
86	Autonomous Person Detection and Tracking Framework Using Unmanned Aerial Vehicles (UAVs). , 2018, , .		8
87	Recognizing Face Images with Disguise Variations. Advances in Computational Intelligence and Robotics Book Series, 0, , 227-251.	0.4	8
88	PROTECT: Pervasive and useR fOcused biomeTrics bordEr projeCT â€" a case study. IET Biometrics, 2020, 9, 297-308.	1.6	8
89	Clustering face images with application to image retrieval in large databases. , 2005, 5779, 256.		7
90	Video Face Recognition: A Physiological and Behavioural Multimodal Approach. , 2007, , .		7

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91	3D Face Recognition. , 2009, , 263-295.		7
92	Color based soft biometry for hooligans detection. , 2010, , .		7
93	Sparse Feature Tracking for Crowd Change Detection and Event Recognition. , 2014, , .		7
94	Combining Hardwaremetry and Biometry for Human Authentication via Smartphones. Lecture Notes in Computer Science, 2015, , 406-416.	1.0	7
95	Automatic Face Anonymization in Visual Data: Are we really well protected?. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-7.	0.3	7
96	Person Recognition Using Human Head Motion Information. Lecture Notes in Computer Science, 2006, , 326-335.	1.0	7
97	Videos versus still images: Asymmetric sensor pattern noise comparison on mobile phones. IS&T International Symposium on Electronic Imaging, 2017, 29, 100-103.	0.3	7
98	<title>Enhanced robustness in image watermarking using turbo codes</title>. , 2003, 5020, 330.		6
99	Protection of 3D Object Visual Representations. , 2006, , .		6
100	Face dynamics for biometric people recognition. , 2009, , .		6
101	Automatic extraction of facial interest points based on 2D and 3D data. , 2011, , .		6
102	Synthetic and privacy-preserving visualization of video sensor network outputs. , 2011, , .		6
103	3D face recognition: A robust multi-matcher approach to data degradations. , 2012, , .		6
104	A new multiclass SVM algorithm and its application to crowd density analysis using LBP features. , 2013, , .		6
105	Fusing iris colour and texture information for fast iris recognition on mobile devices. , 2016, , .		6
106	Exploring New Authentication Protocols for Sensitive Data Protection on Smartphones. , 2018, 56, 136-142.		6
107	Video Waterscrambling: Towards a Video Protection Scheme Based on the Disturbance of Motion Vectors. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	5
108	Collusion issue in video watermarking. , 2005, 5681, 685.		5

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109	On the Need for Signal-Coherent Watermarks. IEEE Transactions on Multimedia, 2006, 8, 896-904.	5.2	5
110	CO-LDA: A Semi-supervised Approach to Audio-Visual Person Recognition. , 2012, , .		5
111	Crowd context-dependent privacy protection filters. , 2013, , .		5
112	ASePPI: Robust Privacy Protection Against De-Anonymization Attacks. , 2017, , .		5
113	A review of data preprocessing modules in digital image forensics methods using deep learning. , 2020, , .		5
114	How to Combat Block Replacement Attacks?. Lecture Notes in Computer Science, 2005, , 161-175.	1.0	4
115	Steganography in 3D Geometries and Images by Adjacent Bin Mapping. Eurasip Journal on Information Security, 2009, 2009, 1-10.	2.2	4
116	Real time extraction of body soft biometric from 3D videos. , 2011, , .		4
117	Block based face recognition approach robust to nose alterations. , 2012, , .		4
118	The impact of privacy protection filters on gender recognition. , 2015, , .		4
119	On Multi-View Face Recognition Using Lytro Images. , 2018, , .		4
120	JPEGâ€based scalable privacy protection and image data utility preservation. IET Signal Processing, 2018, 12, 881-887.	0.9	4
121	Analysis and Reproduction of Facial Expressions for Realistic Communicating Clones. Journal of Signal Processing Systems, 2001, 29, 41-49.	1.0	3
122	Countermeasures for Collusion Attacks Exploiting Host Signal Redundancy. Lecture Notes in Computer Science, 2005, , 216-230.	1.0	3
123	Physiological and behavioural approaches for person recognition using videos. , 2008, , .		3
124	Tomofaces: Eigenfaces extended to videos of speakers. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	3
125	BIOFACE. , 2010, , .		3
126	Probabilistic fusion of regional scores in 3D face recognition. , 2012, , .		3

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127	Unsupervised multi-view dimensionality reduction with application to audio-visual speaker retrieval. , 2013, , .		3
128	From Kinect video to realistic and animatable MPEG-4 face model: A complete framework. , 2015, , .		3
129	Integrating facial makeup detection into multimodal biometric user verification system. , 2017, , .		3
130	Secure Video Watermarking via Embedding Strength Modulation. Lecture Notes in Computer Science, 2004, , 340-354.	1.0	3
131	Online face analysis. , 2002, , .		2
132	Realistic and animatable face models for expression simulations in 3D. Proceedings of SPIE, 2010, , .	0.8	2
133	Cap detection for moving people in entrance surveillance. , 2011, , .		2
134	Regional confidence score assessment for 3D face. , 2012, , .		2
135	Secure User Authentication on Smartphones via Sensor and Face Recognition on Short Video Clips. Lecture Notes in Computer Science, 2017, , 15-22.	1.0	2
136	Kinect vs Lytro in RGB-D Face Recognition. , 2018, , .		2
137	A new framework for optimal facial landmark localization on light-field images. , 2018, , .		2
138	Image reversible visual transformation based on MSB replacement and histogram bin mapping. , 2018, , .		2
139	On the Discriminative Power of Learned vs. Hand-Crafted Features for Crowd Density Analysis. , 2019, , .		2
140	Indirect synthetic attack on thermal face biometric systems via visible-to-thermal spectrum conversion. , 2021, , .		2
141	Digital Image Forensics: A Two-Step Approach for Identifying Source and Detecting Forgeries. , 2013, , 37-51.		2
142	Technologies du tatouage pour l'authentification et la protection des images. Annales Des Telecommunications/Annals of Telecommunications, 2000, 55, 92-100.	1.6	1
143	A Probabilistic Model for Face Transformation with Application to Person Identification. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	1
144	Obtaining MPEG-4 compliant animatable 3D face models by using TPS method. , 2010, , .		1

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145	A Markov Random Field description of fuzzy color segmentation. , 2010, , .		1
146	Open-set semi-supervised audio-visual speaker recognition using co-training LDA and Sparse Representation Classifiers. , 2013, , .		1
147	De-genderization by body contours reshaping. , 2017, , .		1
148	Reversible image visual transformation for privacy and content protection. Multimedia Tools and Applications, 2020, 80, 30863.	2.6	1
149	Attribute-based quality assessment for demographic estimation in face videos. , 2021, , .		1
150	Temporal normalization of videos using visual speech. , 2009, , .		1
151	Demographic attribute estimation in face videos combining local information and quality assessment. Machine Vision and Applications, 2022, 33, 1.	1.7	1
152	<title>Watermark recovery from 2D views of a 3D video object</title>. , 2003, , .		0
153	Efficient ocular expression analysis for synthetic reproduction. IEEE Transactions on Multimedia, 2006, 8, 70-80.	5.2	0
154	Person Recognition Form Video using Facial Mimics. , 2007, , .		0
155	Contextualized Privacy Filters in Video Surveillance Using Crowd Density Maps. , 2013, , .		0
156	ASePPI, an adaptive scrambling enabling privacy protection and intelligibility in H.264/AVC. , 2017, , .		0
157	3D Object Watermarking. , 0, , 139-183.		0