

Hugo Proena

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.

104
papers

1,981
citations

20
h-index

42
g-index

114
ext. papers

2,383
ext. citations

4
avg, IF

5.64
L-index

#	Paper	IF	Citations
104	Peaches Detection Using a Deep Learning Technique A Contribution to Yield Estimation, Resources Management, and Circular Economy. <i>Climate</i> , 2022 , 10, 11	3.1	2
103	YinYang-Net: Complementing Face and Body Information for Wild Gender Recognition. <i>IEEE Access</i> , 2022 , 10, 28122-28132	3.5	
102	GAN Fingerprints in Face Image Synthesis. <i>Advances in Computer Vision and Pattern Recognition</i> , 2022 , 175-204	1.1	
101	Predicting CVSS Metric Via Description Interpretation. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
100	REGINA Reasoning Graph Convolutional Networks in Human Action Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 5442-5451	8	1
99	SSS-PR: A short survey of surveys in person re-identification. <i>Pattern Recognition Letters</i> , 2021 , 143, 50-57	4.7	12
98	Person re-identification: Implicitly defining the receptive fields of deep learning classification frameworks. <i>Pattern Recognition Letters</i> , 2021 , 145, 23-29	4.7	1
97	Iterative weak/self-supervised classification framework for abnormal events detection. <i>Pattern Recognition Letters</i> , 2021 , 145, 50-57	4.7	2
96	A Deep Adversarial Framework for Visually Explainable Periocular Recognition 2021 ,		3
95	. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 800-811	8	0
94	. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2021 , 1-1	4.3	2
93	The P-DESTRE: A Fully Annotated Dataset for Pedestrian Detection, Tracking, and Short/Long-Term Re-Identification From Aerial Devices. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 1696-1708	8	6
92	Editorial to special issue on novel insights on ocular biometrics. <i>Image and Vision Computing</i> , 2021 , 112, 104227	3.7	
91	A Short Survey on Machine Learning Explainability: An Application to Periocular Recognition. <i>Electronics (Switzerland)</i> , 2021 , 10, 1861	2.6	1
90	Human Behavior Analysis: A Survey on Action Recognition. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8324	2.6	3
89	You look so different! Haven't I seen you a long time ago?. <i>Image and Vision Computing</i> , 2021 , 115, 104288	3.7	0
88	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	3

87	Deep representations for cross-spectral ocular biometrics. <i>IET Biometrics</i> , 2020 , 9, 68-77	2.9	10
86	Decision-making support system for fruit diseases classification using Deep Learning 2020 ,		4
85	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 1038-1048	7.5	35
84	Unconstrained Periocular Recognition: Using Generative Deep Learning Frameworks for Attribute Normalization 2020 ,		4
83	Human Attribute Recognition—A Comprehensive Survey. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5608	2.6	4
82	“Leopard Cannot Change Its Spots”—Improving Face Recognition Using 3D-Based Caricatures. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 151-161	8	7
81	MICHE Competitions: A Realistic Experience with Uncontrolled Eye Region Acquisition. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 67-104	1.1	0
80	FaceGenderID: Exploiting Gender Information in DCNNs Face Recognition Systems 2019 ,		8
79	Segmentation-Less and Non-Holistic Deep-Learning Frameworks for Iris Recognition 2019 ,		7
78	A Reminiscence of “Mastermind”—Iris/Periocular Biometrics by “h-Set”—CNN Iterative Analysis. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 1702-1712	8	6
77	Deep-PRWIS: Periocular Recognition Without the Iris and Sclera Using Deep Learning Frameworks. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 888-896	8	66
76	Insights into the results of MICHE I - Mobile Iris CHallenge Evaluation. <i>Pattern Recognition</i> , 2018 , 74, 286-304	3.0	30
75	Trends and Controversies. <i>IEEE Intelligent Systems</i> , 2018 , 33, 41-67	4.2	8
74	QUIS-CAMPI: an annotated multi-biometrics data feed from surveillance scenarios. <i>IET Biometrics</i> , 2018 , 7, 371-379	2.9	5
73	Experiments with Ocular Biometric Datasets: A Practitioner’s Guideline. <i>IT Professional</i> , 2018 , 20, 50-63	1.9	1
72	An aperiodic feature representation for gait recognition in cross-view scenarios for unconstrained biometrics. <i>Pattern Analysis and Applications</i> , 2017 , 20, 73-86	2.3	5
71	. <i>IEEE Transactions on Information Forensics and Security</i> , 2017 , 12, 1637-1645	8	5
70	Fusing Vantage Point Trees and Linear Discriminants for Fast Feature Classification. <i>Journal of Classification</i> , 2017 , 34, 85-107	1.2	1

69	Results from MICHE II [Mobile Iris CHallenge Evaluation II. <i>Pattern Recognition Letters</i> , 2017 , 91, 3-10	4.7	27
68	Unconstrained Data Acquisition Frameworks and Protocols 2017 , 1-30		
67	IRINA: Iris Recognition (Even) in Inaccurately Segmented Data 2017 ,		10
66	Periocular recognition: how much facial expressions affect performance?. <i>Pattern Analysis and Applications</i> , 2016 , 19, 517-530	2.3	10
65	Mobile Iris CHallenge Evaluation II: Results from the ICPR competition 2016 ,		9
64	Robust Periocular Recognition by Fusing Sparse Representations of Color and Geometry Information. <i>Journal of Signal Processing Systems</i> , 2016 , 82, 403-417	1.4	4
63	Biometric recognition in surveillance scenarios: a survey. <i>Artificial Intelligence Review</i> , 2016 , 46, 515-541	9.7	35
62	Joint Head Pose/Soft Label Estimation for Human Recognition In-The-Wild. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 2444-2456	13.3	18
61	Visible-wavelength iris/periocular imaging and recognition surveillance environments. <i>Image and Vision Computing</i> , 2016 , 55, 22-25	3.7	3
60	ICB-RW 2016: International challenge on biometric recognition in the wild 2016 ,		2
59	Unconstrained Iris Recognition in Visible Wavelengths. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 321-358	1.1	5
58	A Calibration Algorithm for Multi-camera Visual Surveillance Systems Based on Single-View Metrology. <i>Lecture Notes in Computer Science</i> , 2015 , 552-559	0.9	4
57	Face recognition: handling data misalignments implicitly by fusion of sparse representations. <i>IET Computer Vision</i> , 2015 , 9, 216-225	1.4	2
56	Performance evaluation of keypoint detection and matching techniques on grayscale data. <i>Signal, Image and Video Processing</i> , 2015 , 9, 1009-1019	1.6	9
55	A Master-Slave Calibration Algorithm with Fish-Eye Correction. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-8	1.1	3
54	BioHDD: a dataset for studying biometric identification on heavily degraded data. <i>IET Biometrics</i> , 2015 , 4, 1-9	2.9	4
53	Acquiring high-resolution face images in outdoor environments: A master-slave calibration algorithm 2015 ,		11
52	Dynamic camera scheduling for visual surveillance in crowded scenes using Markov random fields 2015 ,		6

51	Iris Recognition: What Is Beyond Bit Fragility?. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 321-332	8	11
50	Quis-Campi: Extending in the Wild Biometric Recognition to Surveillance Environments. <i>Lecture Notes in Computer Science</i> , 2015 , 59-68	0.9	9
49	ReigSAC: fast discrimination of spurious keypoint correspondences on planar surfaces. <i>Machine Vision and Applications</i> , 2014 , 25, 763-773	2.8	2
48	Ocular biometrics by score-level fusion of disparate experts. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 5082-93	8.7	19
47	Fast and globally convex multiphase active contours for brain MRI segmentation. <i>Computer Vision and Image Understanding</i> , 2014 , 125, 237-250	4.3	32
46	Segmenting the periocular region using a hierarchical graphical model fed by texture / shape information and geometrical constraints 2014 ,		4
45	Detection and separation of overlapping cells based on contour concavity for Leishmania images. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014 , 85, 491-500	4.6	3
44	Automatic face recognition in HDR imaging 2014 ,		2
43	Periocular biometrics: constraining the elastic graph matching algorithm to biologically plausible distortions. <i>IET Biometrics</i> , 2014 , 3, 167-175	2.9	13
42	. <i>IEEE Transactions on Information Forensics and Security</i> , 2013 , 8, 1115-1125	8	7
41	Iris Biometrics: Indexing and Retrieving Heavily Degraded Data. <i>IEEE Transactions on Information Forensics and Security</i> , 2013 , 8, 1975-1985	8	14
40	2013 ,		1
39	2013 ,		3
38	Periocular biometrics: An emerging technology for unconstrained scenarios 2013 ,		18
37	Robust periocular recognition by fusing local to holistic sparse representations 2013 ,		5
36	Compensating for pose and illumination in unconstrained periocular biometrics. <i>International Journal of Biometrics</i> , 2013 , 5, 336	0.4	11
35	Automatic Annotation of Leishmania Infections in Fluorescence Microscopy Images. <i>Lecture Notes in Computer Science</i> , 2013 , 613-620	0.9	
34	Fusing color and shape descriptors in the recognition of degraded iris images acquired at visible wavelengths. <i>Computer Vision and Image Understanding</i> , 2012 , 116, 167-178	4.3	18

33	Toward Covert Iris Biometric Recognition: Experimental Results From the NICE Contests. <i>IEEE Transactions on Information Forensics and Security</i> , 2012 , 7, 798-808	8	73
32	2012 ,		23
31	2012 ,		61
30	Quality Assessment of Degraded Iris Images Acquired in the Visible Wavelength. <i>IEEE Transactions on Information Forensics and Security</i> , 2011 , 6, 82-95	8	25
29	UBEAR: A dataset of ear images captured on-the-move in uncontrolled conditions 2011 ,		17
28	A robust eye-corner detection method for real-world data 2011 ,		9
27	Caries Detection in Panoramic Dental X-ray Images. <i>Computational Methods in Applied Sciences (Springer)</i> , 2011 , 175-190	0.4	21
26	Iris Recognition: Preliminary Assessment about the Discriminating Capacity of Visible Wavelength Data 2010 ,		2
25	Iris recognition: Analyzing the distribution of the iriscodes concordant bits 2010 ,		2
24	Iris recognition: on the segmentation of degraded images acquired in the visible wavelength. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 1502-16	13.3	152
23	The UBIRIS.v2: a database of visible wavelength iris images captured on-the-move and at-a-distance. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 1529-35	13.3	299
22	Cross-polarization interference cancelation (XPIC) performance in presence of non-linear effects 2010 ,		1
21	Iris recognition: Analysis of the error rates regarding the accuracy of the segmentation stage. <i>Image and Vision Computing</i> , 2010 , 28, 202-206	3.7	64
20	Introduction to the Special Issue on the Segmentation of Visible Wavelength Iris Images Captured At-a-distance and On-the-move. <i>Image and Vision Computing</i> , 2010 , 28, 213-214	3.7	19
19	An iris recognition approach through structural pattern analysis methods. <i>Expert Systems</i> , 2010 , 27, 6-16.1		13
18	On the feasibility of the visible wavelength, at-a-distance and on-the-move iris recognition 2009 ,		11
17	On the Role of Interpolation in the Normalization of Non-ideal Visible Wavelength Iris Images 2009 ,		17
16	Biometric Recognition: When Is Evidence Fusion Advantageous?. <i>Lecture Notes in Computer Science</i> , 2009 , 698-708	0.9	2

15	Evaluating WiMAX for vehicular communication applications 2008 ,		5
14	Combining rectangular and triangular image regions to perform real-time face detection 2008 ,		1
13	Iris Recognition: A Method to Segment Visible Wavelength Iris Images Acquired On-the-Move and At-a-Distance. <i>Lecture Notes in Computer Science</i> , 2008 , 731-742	0.9	29
12	The NICE.I: Noisy Iris Challenge Evaluation - Part I 2007 ,		38
11	Toward noncooperative iris recognition: a classification approach using multiple signatures. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 607-12	13.3	134
10	Iris Recognition: An Entropy-Based Coding Strategy Robust to Noisy Imaging Environments 2007 , 621-632		4
9	A Structural Pattern Analysis Approach to Iris Recognition. <i>Advances in Intelligent and Soft Computing</i> , 2007 , 731-738		1
8	Iris segmentation methodology for non-cooperative recognition. <i>IET Computer Vision</i> , 2006 , 153, 199		128
7	Iris Recognition: Measuring Feature's Quality for the Feature Selection in Unconstrained Image Capture Environments 2006 ,		7
6	A method for the identification of inaccuracies in pupil segmentation 2006 ,		4
5	A Method for the Identification of Noisy Regions in Normalized Iris Images 2006 ,		23
4	Iris Recognition: An Analysis of the Aliasing Problem in the Iris Normalization Stage 2006 ,		13
3	UBIRIS: A Noisy Iris Image Database. <i>Lecture Notes in Computer Science</i> , 2005 , 970-977	0.9	174
2	MARCS Multi-agent Railway Control System. <i>Lecture Notes in Computer Science</i> , 2004 , 12-21	0.9	9
1	Using Ocular Data for Unconstrained Biometric Recognition. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 252-271	0.4	