

Carmen SÃ¡nchez-Ãvila

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

827
citations

840585

11
h-index

580701

25
g-index

62
all docs

62
docs citations

62
times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable Technology to Detect Motor Fluctuations in Parkinson's Disease Patients: Current State and Challenges. <i>Sensors</i> , 2021, 21, 4188.	2.1	18
2	Some Notes on a Formal Algebraic Structure of Cryptology. <i>Mathematics</i> , 2021, 9, 2183.	1.1	1
3	Cryptobiometrics for the Generation of Cancellable Symmetric and Asymmetric Ciphers with Perfect Secrecy. <i>Mathematics</i> , 2020, 8, 1536.	1.1	3
4	Data-Driven Analysis of Bicycle Sharing Systems as Public Transport Systems Based on a Trip Index Classification. <i>Sensors</i> , 2020, 20, 4315.	2.1	1
5	New Proof That the Sum of the Reciprocals of Primes Diverges. <i>Mathematics</i> , 2020, 8, 1414.	1.1	0
6	Deep learning for face recognition on mobile devices. <i>IET Biometrics</i> , 2020, 9, 109-117.	1.6	8
7	Hierarchical Agglomerative Clustering of Bicycle Sharing Stations Based on Ultra-Light Edge Computing. <i>Sensors</i> , 2020, 20, 3550.	2.1	4
8	La inscripción de la talla original de Nuestra Señora de Candelaria de las islas Canarias según las fuentes documentales impresas. <i>Hispania Sacra</i> , 2020, 72, 191.	0.1	0
9	Graphemic-phonetic diachronic linguistic invariance of the frequency and of the Index of Coincidence as cryptanalytic tools. <i>PLoS ONE</i> , 2019, 14, e0213710.	1.1	1
10	Deep Learning for Facial Recognition on Single Sample per Person Scenarios with Varied Capturing Conditions. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5474.	1.3	11
11	Flooding-based segmentation for contactless hand biometrics oriented to mobile devices. <i>IET Biometrics</i> , 2018, 7, 431-438.	1.6	2
12	Analysis of local binary patterns and uniform local binary patterns for palm vein biometric recognition. , 2017, , .		11
13	A comparative study of palmprint feature extraction methods for contact-less biometrics under different environmental conditions. , 2017, , .		1
14	Principal component analysis for ear-based biometric verification. , 2017, , .		9
15	Curvelets for contact-less hand biometrics under varied environmental conditions. , 2017, , .		2
16	Four Versions of the Christ by the Massys: Deciphering the Meaning of the Letters. <i>Religions</i> , 2017, 8, 19.	0.3	2
17	Linguistic Decipherment of the Lettering on the (Original) Carving of the Virgin of Candelaria from Tenerife (Canary Islands). <i>Religions</i> , 2017, 8, 135.	0.3	1
18	Comfort and Security Perception of Biometrics in Mobile Phones with Widespread Sensors. , 2016, , .		6

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19	A Configurable Multibiometric System for Authentication at Different Security Levels Using Mobile Devices. , 2016, , .		2
20	gb2s ¼ MOD: A MultiMODal biometric video database using visible and IR light. Information Fusion, 2016, 32, 64-79.	11.7	10
21	Graph-based unsupervised segmentation algorithm for cultured neuronal networks' structure characterization and modeling. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 513-523.	1.1	18
22	Low computational cost multilayer graph-based segmentation algorithms for hand recognition on mobile phones. , 2014, , .		7
23	Supervised classification methods applied to keystroke dynamics through mobile devices. , 2014, , .		17
24	A comparative survey on supervised classifiers for face recognition. , 2014, , .		3
25	Modeling and Detecting Aggressiveness From Driving Signals. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1419-1428.	4.7	59
26	Analysis of pattern recognition and dimensionality reduction techniques for odor biometrics. Knowledge-Based Systems, 2013, 52, 279-289.	4.0	33
27	A SEQUENCE ALIGNMENT APPROACH APPLIED TO A MOBILE AUTHENTICATION TECHNIQUE BASED ON GESTURES. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1356006.	0.7	3
28	SPEED-INDEPENDENT GAIT IDENTIFICATION FOR MOBILE DEVICES. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1260013.	0.7	8
29	Authentication in mobile devices through hand gesture recognition. International Journal of Information Security, 2012, 11, 65-83.	2.3	51
30	A Comparative Evaluation of Gaussian Multiscale Aggregation for Hand Biometrics. Communications in Computer and Information Science, 2012, , 388-399.	0.4	0
31	Study of the effect of blurriness in image acquisition for hand biometrics in mobile devices. , 2011, , .		2
32	Time series distances measures to analyze in-air signatures to authenticate users on mobile phones. , 2011, , .		12
33	Stress detection by means of stress physiological template. , 2011, , .		33
34	Gaussian multiscale aggregation oriented to hand biometric segmentation in mobile devices. , 2011, , .		5
35	A Stress-Detection System Based on Physiological Signals and Fuzzy Logic. IEEE Transactions on Industrial Electronics, 2011, 58, 4857-4865.	5.2	148
36	Score optimization and template updating in a biometric technique for authentication in mobiles based on gestures. Journal of Systems and Software, 2011, 84, 2013-2021.	3.3	12

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37	An approach to hand biometrics in mobile devices. <i>Signal, Image and Video Processing</i> , 2011, 5, 469-475.	1.7	5
38	Analysis of pattern recognition techniques for in-air signature biometrics. <i>Pattern Recognition</i> , 2011, 44, 2468-2478.	5.1	75
39	A robustness verification system for mobile phone authentication based on gestures using Linear Discriminant Analysis. , 2011, , .		4
40	Secure access control by means of human stress detection. , 2011, , .		5
41	Unconstrained and Contactless Hand Geometry Biometrics. <i>Sensors</i> , 2011, 11, 10143-10164.	2.1	25
42	Gaussian Multiscale Aggregation Applied to Segmentation in Hand Biometrics. <i>Sensors</i> , 2011, 11, 11141-11156.	2.1	2
43	Two Stress Detection Schemes Based on Physiological Signals for Real-Time Applications. , 2010, , .		20
44	Hand Biometric Segmentation by Means of Fuzzy Multiscale Aggregation for Mobile Devices. , 2010, , .		6
45	A Mobile-Oriented Hand Segmentation Algorithm Based on Fuzzy Multiscale Aggregation. <i>Lecture Notes in Computer Science</i> , 2010, , 479-488.	1.0	4
46	BREAKING A SC-CNN-BASED CHAOTIC MASKING SECURE COMMUNICATION SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 1329-1338.	0.7	2
47	Iris segmentation based on Fuzzy Mathematical Morphology, Neural Networks and ontologies. , 2009, , .		0
48	Silhouette-based hand recognition on mobile devices. , 2009, , .		21
49	A fuzzy DNA-based algorithm for identification and authentication in an Iris Detection System. , 2008, , .		3
50	Evaluation methodology for fake samples detection in biometrics. , 2008, , .		4
51	Quality Measurements for Iris Images in Biometrics. , 2007, , .		9
52	Two different approaches for iris recognition using Gabor filters and multiscale zero-crossing representation. <i>Pattern Recognition</i> , 2005, 38, 231-240.	5.1	104
53	A wavelet-based method for solving discrete first-kind Fredholm equations with piecewise constant solutions. <i>International Journal for Numerical Methods in Engineering</i> , 2003, 57, 577-598.	1.5	1
54	Wavelet domain signal deconvolution with singularity-preserving regularization. <i>Mathematics and Computers in Simulation</i> , 2003, 61, 165-176.	2.4	6

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55	Information technology security using cryptography. IEEE Aerospace and Electronic Systems Magazine, 2003, 18, 21-24.	2.3	1
56	A nonlinear adaptive wavelet-based method for spiky deconvolution. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 4937-4948.	0.6	3
57	Behavior of nonlinear pocs higher order algorithms in the deconvolution problem. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 4909-4914.	0.6	2
58	New POCS algorithms for regularization of inverse problems. Journal of Computational and Applied Mathematics, 1996, 72, 21-39.	1.1	5
59	An adaptive regularized method for deconvolution of signals with edges by convex projections. IEEE Transactions on Signal Processing, 1994, 42, 1849-1851.	3.2	10