

Claudio A Perez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5021482/publications.pdf>

Version: 2024-02-01

92
papers

2,487
citations

331259

21
h-index

214527

47
g-index

92
all docs

92
docs citations

92
times ranked

2297
citing authors

#	ARTICLE	IF	CITATIONS
1	Rock lithological instance classification by hyperspectral images using dimensionality reduction and deep learning. Chemometrics and Intelligent Laboratory Systems, 2022, 224, 104538.	1.8	9
2	Iris Recognition Using Low-Level CNN Layers Without Training and Single Matching. IEEE Access, 2022, 10, 41276-41286.	2.6	5
3	Extracting Structured Supervision From Captions for Weakly Supervised Semantic Segmentation. IEEE Access, 2021, 9, 65702-65720.	2.6	5
4	Two-Level Genetic Algorithm for Evolving Convolutional Neural Networks for Pattern Recognition. IEEE Access, 2021, 9, 126856-126872.	2.6	9
5	Automatic space object detection on all-sky images from a synoptic survey synthetic telescope array. Advances in Space Research, 2020, 65, 337-350.	1.2	4
6	The histogram Poisson, labeled multi-Bernoulli multi-target tracking filter. Signal Processing, 2020, 176, 107714.	2.1	10
7	A 3D Iris Scanner From a Single Image Using Convolutional Neural Networks. IEEE Access, 2020, 8, 98584-98599.	2.6	15
8	3D Iris Recognition using Spin Images. , 2020, , .		3
9	Colorâ€“Texture Pattern Classification Using Globalâ€“Local Feature Extraction, an SVM Classifier, with Bagging Ensemble Post-Processing. Applied Sciences (Switzerland), 2019, 9, 3130.	1.3	11
10	Clusters of Features Using Complementary Information Applied to Gender Classification From Face Images. IEEE Access, 2019, 7, 79374-79387.	2.6	7
11	A 3D Iris Scanner From Multiple 2D Visible Light Images. IEEE Access, 2019, 7, 61461-61472.	2.6	7
12	Rock lithological classification by hyperspectral, range 3D and color images. Chemometrics and Intelligent Laboratory Systems, 2019, 189, 138-148.	1.8	17
13	Iris Recognition: Comparing Visible-Light Lateral and Frontal Illumination to NIR Frontal Illumination. , 2019, , .		7
14	Gender Classification From NIR Images by Using Quadrature Encoding Filters of the Most Relevant Features. IEEE Access, 2019, 7, 29114-29127.	2.6	9
15	Trademark Image Retrieval Using a Combination of Deep Convolutional Neural Networks. , 2018, , .		15
16	Classification of rock lithology by laser range 3D and color images. International Journal of Mineral Processing, 2017, 160, 47-57.	2.6	27
17	A method for 3D iris reconstruction from multiple 2D near-infrared images. , 2017, , .		9
18	The Îˆ-generalized multi-Bernoulli poisson filter in a multi-sensor application. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Spatially coincident vibrotactile noise improves subthreshold stimulus detection. PLoS ONE, 2017, 12, e0186932.	1.1	8
20	Gender Classification From the Same Iris Code Used for Recognition. IEEE Transactions on Information Forensics and Security, 2016, 11, 1760-1770.	4.5	76
21	Sleep-spindle identification on EEG signals from polysomnographic recordings using correntropy. , 2016, 2016, 3736-3739.		2
22	Gender Classification from Iris Images Using Fusion of Uniform Local Binary Patterns. Lecture Notes in Computer Science, 2015, , 751-763.	1.0	22
23	Face recognition under pose variation with local Gabor features enhanced by Active Shape and Statistical Models. Pattern Recognition, 2015, 48, 3371-3384.	5.1	44
24	A Dirac Delta mixture-based Random Finite Set filter. , 2015, , .		7
25	Rock lithological classification using multi-scale Gabor features from sub-images, and voting with rock contour information. International Journal of Mineral Processing, 2015, 144, 56-64.	2.6	32
26	Face recognition under pose variation with active shape model to adjust Gabor filter kernels and to correct feature extraction location. , 2015, , .		4
27	Illumination normalisation method using Kolmogorovâ€Nagumoâ€based statistics for face recognition. Electronics Letters, 2014, 50, 940-942.	0.5	3
28	Automatic Safety Video Surveillance-Tracking System to Avoid Vehicle-Workers Interaction for Mining Applications. , 2014, , .		4
29	Single trial P300 detection in children using expert knowledge and SOM. , 2014, 2014, 3801-4.		2
30	A balanced sleep/wakefulness classification method based on actigraphic data in adolescents. , 2014, 2014, 4188-91.		7
31	Fusion of local normalization and Gabor entropy weighted features for face identification. Pattern Recognition, 2014, 47, 568-577.	5.1	76
32	A New Method for Online Retinal Optic-Disc Detection Based on Cascade Classifiers. , 2013, , .		8
33	Pattern Detection Using a New Haralick Quaternion Color Extraction Model and Support Vector Machine Classifier. , 2013, , .		1
34	Gender Classification Based on Fusion of Different Spatial Scale Features Selected by Mutual Information From Histogram of LBP, Intensity, and Shape. IEEE Transactions on Information Forensics and Security, 2013, 8, 488-499.	4.5	118
35	Gender Classification Using One Half Face and Feature Selection Based on Mutual Information. , 2013, , .		7
36	Automated detection of Rapid Eye Movements in children. , 2012, 2012, 2267-70.		2

#	ARTICLE	IF	CITATIONS
37	Lithological classification based on Gabor texture image analysis. , 2012, , .		9
38	Gender Classification From Face Images Using Mutual Information and Feature Fusion. International Journal of Optomechatronics, 2012, 6, 92-119.	3.3	37
39	An accurate skull stripping method based on simplex meshes and histogram analysis for magnetic resonance images. Journal of Neuroscience Methods, 2012, 206, 103-119.	1.3	61
40	Local matching Gabor entropy weighted face recognition. , 2011, , .		14
41	Ore grade estimation by feature selection and voting using boundary detection in digital image analysis. International Journal of Mineral Processing, 2011, 101, 28-36.	2.6	82
42	Registration of renal SPECT and 2.5D US images. Computerized Medical Imaging and Graphics, 2011, 35, 302-314.	3.5	10
43	Methodological improvement on local Gabor face recognition based on feature selection and enhanced Borda count. Pattern Recognition, 2011, 44, 951-963.	5.1	63
44	Gamma-filter self-organising neural networks for unsupervised sequence processing. Electronics Letters, 2011, 47, 494.	0.5	4
45	Automated Sleep-Spindle Detection in Healthy Children Polysomnograms. IEEE Transactions on Biomedical Engineering, 2010, 57, 2135-2146.	2.5	48
46	A critical experimental study of the classical tactile threshold theory. BMC Neuroscience, 2010, 11, 76.	0.8	7
47	Face and iris localization using templates designed by particle swarm optimization. Pattern Recognition Letters, 2010, 31, 857-868.	2.6	37
48	Genetic optimisation of illumination compensation methods in cascade for face recognition. Electronics Letters, 2010, 46, 498.	0.5	8
49	Illumination compensation method for local matching Gabor face classifier. , 2010, , .		8
50	Illumination compensation for face recognition by genetic optimization of the Self-Quotient Image method. , 2009, , .		9
51	Real-Time Template Based Face and Iris Detection on Rotated Faces. International Journal of Optomechatronics, 2009, 3, 54-67.	3.3	13
52	Normalized Mutual Information Feature Selection. IEEE Transactions on Neural Networks, 2009, 20, 189-201.	4.8	931
53	Genetic improvements in illumination compensation by the discrete cosine transform and local normalization for face recognition. , 2008, , .		9
54	Log-Linear Elliptic Transform for Frontal-Face Parameter Estimation. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
55	Coincidence-enhanced stochastic resonance: Experimental evidence challenges the psychophysical theory behind stochastic resonance. <i>Neuroscience Letters</i> , 2007, 424, 31-35.	1.0	12
56	Real-Time Iris Detection on Coronal-Axis-Rotated Faces. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2007, 37, 971-978.	3.3	29
57	Subscription fraud prevention in telecommunications using fuzzy rules and neural networks. <i>Expert Systems With Applications</i> , 2006, 31, 337-344.	4.4	76
58	Extracting Fuzzy Rules From Polysomnographic Recordings for Infant Sleep Classification. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1954-1962.	2.5	51
59	Face Detection using PSO Template Selection. , 2006, , .		7
60	Nonlinear Projection Using Geodesic Distances and the Neural Gas Network. <i>Lecture Notes in Computer Science</i> , 2006, , 464-473.	1.0	7
61	Linear Versus Nonlinear Neural Modeling for 2-D Pattern Recognition. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2005, 35, 955-964.	3.4	15
62	Dual approach for automated sleep spindles detection within EEG background activity in infant polysomnograms. , 2004, 2006, 566-9.		10
63	Directional templates for real-time detection of coronal axis rotated faces. , 2004, , .		2
64	Power requirements for vibrotactile piezo-electric and electromechanical transducers. <i>Medical and Biological Engineering and Computing</i> , 2003, 41, 718-726.	1.6	5
65	Genetic design of biologically inspired receptive fields for neural pattern recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2003, 33, 258-270.	5.5	43
66	Real-time iris detection on rotated faces. , 2003, , .		3
67	Classification of sleep stages in infants: a neuro fuzzy approach. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2002, 21, 147-151.	1.1	35
68	Polysomnographic pattern recognition for automated classification of sleep-waking states in infants. <i>Medical and Biological Engineering and Computing</i> , 2002, 40, 105-113.	1.6	59
69	Grindability soft-sensors based on lithological composition and on-line measurements. <i>Minerals Engineering</i> , 2001, 14, 689-700.	1.8	32
70	Two-point vibrotactile discrimination related to parameters of pulse burst stimulus. <i>Medical and Biological Engineering and Computing</i> , 2000, 38, 74-79.	1.6	24
71	Expert-system classification of sleep/waking states in infants. <i>Medical and Biological Engineering and Computing</i> , 1999, 37, 466-476.	1.6	25
72	Experimental system to investigate nonsequential presentation of tactile patterns. , 1992, , .		0

#	ARTICLE	IF	CITATIONS
73	Experimental System To Investigate Nonsequential Presentation Of Tactile Patterns. , 1992, , .		0
74	Effect of tactile stimulation pulse characteristics on sensation threshold and power consumption. Annals of Biomedical Engineering, 1989, 17, 423-435.	1.3	15
75	Two point vibrotactile spatial resolution as a function of pulse frequency and pulse width. , 0, , .		3
76	Genetic selection of non-linear product terms in the inputs to a linear classifier for handwritten digit recognition. , 0, , .		2
77	Optimization of one and two hidden layer neural network architectures for handwritten digit recognition. , 0, , .		2
78	Genetic selection of multilayer neural networks for handwritten digit recognition to aid the blind. , 0, , .		2
79	Improvements on handwritten digit recognition by genetic selection of neural network topology and by augmented training. , 0, , .		9
80	Improvements on handwritten digit recognition by cooperation of modular neural networks. , 0, , .		8
81	Vibrotactile sensation thresholds related to parameters of a pulse burst stimulus. , 0, , .		3
82	Improved handwritten digit recognition system based on fuzzy rules and prototypes created by Euclidean distance. , 0, , .		1
83	Classification of sleep-waking states using modular neural networks. , 0, , .		2
84	Neural versus difference equation modeling for 2D pattern recognition problems. , 0, , .		2
85	Face and eye tracking algorithm based on digital image processing. , 0, , .		31
86	Classification of sleep stages in infants: a neuro fuzzy approach. , 0, , .		3
87	Designing biologically inspired receptive fields for neural pattern recognition technology. , 0, , .		3
88	Design of a virtual keyboard based on iris tracking. , 0, , .		9
89	Power consumption in a piezoceramic transducer for vibrotactile excitation. , 0, , .		0
90	Real-time iris detection on faces with coronal axis rotation. , 0, , .		4

#	ARTICLE	IF	CITATIONS
91	Color image segmentation using fuzzy min-max neural networks. , 0, , .		7
92	Biologically inspired receptive field geometry and orientation for pattern recognition enhancement. , 0, , .		0