Chengjun Liu

List of Publications by Year
in descending order

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86 papers	4,879 citations	257101 24 h-index	189595 50 g-index
86 all docs	86 docs citations	86 times ranked	2677 citing authors

#	Article	IF	Citations
1	Gabor feature based classification using the enhanced fisher linear discriminant model for face recognition. IEEE Transactions on Image Processing, 2002, 11, 467-476.	6.0	1,528
2	Gabor-based kernel pca with fractional power polynomial models for face recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 572-581.	9.7	462
3	Independent component analysis of gabor features for face recognition. IEEE Transactions on Neural Networks, 2003, 14, 919-928.	4.8	355
4	Robust coding schemes for indexing and retrieval from large face databases. IEEE Transactions on Image Processing, 2000, 9, 132-137.	6.0	214
5	Capitalize on dimensionality increasing techniques for improving face recognition grand challenge performance. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 725-737.	9.7	205
6	A bayesian discriminating features method for face detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 725-740.	9.7	202
7	A shape- and texture-based enhanced Fisher classifier for face recognition. IEEE Transactions on Image Processing, 2001, 10, 598-608.	6.0	201
8	COMPARATIVE ASSESSMENT OF CONTENT-BASED FACE IMAGE RETRIEVAL IN DIFFERENT COLOR SPACES. International Journal of Pattern Recognition and Artificial Intelligence, 2005, 19, 873-893.	0.7	125
9	New image descriptors based on color, texture, shape, and wavelets for object and scene image classification. Neurocomputing, 2013, 117, 173-185.	3.5	125
10	Color Image Discriminant Models and Algorithms for Face Recognition. IEEE Transactions on Neural Networks, 2008, 19, 2088-2098.	4.8	97
11	Color space normalization: Enhancing the discriminating power of color spaces for face recognition. Pattern Recognition, 2010, 43, 1454-1466.	5.1	95
12	Fusion of color, local spatial and global frequency information for face recognition. Pattern Recognition, 2010, 43, 2882-2890.	5.1	94
13	Learning the Uncorrelated, Independent, and Discriminating Color Spaces for Face Recognition. IEEE Transactions on Information Forensics and Security, 2008, 3, 213-222.	4.5	84
14	A Hybrid Color and Frequency Features Method for Face Recognition. IEEE Transactions on Image Processing, 2008, 17, 1975-1980.	6.0	69
15	Enhanced Independent Component Analysis and Its Application to Content Based Face Image Retrieval. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1117-1127.	5.5	67
16	Face detection using discriminating feature analysis and Support Vector Machine. Pattern Recognition, 2006, 39, 260-276.	5.1	66
17	ICA Color Space for Pattern Recognition. IEEE Transactions on Neural Networks, 2009, 20, 248-257.	4.8	66
18	Horizontal and Vertical 2DPCA-Based Discriminant Analysis for Face Verification on a Large-Scale Database. IEEE Transactions on Information Forensics and Security, 2007, 2, 781-792.	4.5	57

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19	Eye detection using discriminatory Haar features and a new efficient SVM. Image and Vision Computing, 2015, 33, 68-77.	2.7	57
20	Improving the Face Recognition Grand Challenge Baseline Performance using Color Configurations Across Color Spaces. , 2006, , .		51
21	The Bayes Decision Rule Induced Similarity Measures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1086-1090.	9.7	50
22	Fusion of the complementary Discrete Cosine Features in the YIQ color space for face recognition. Computer Vision and Image Understanding, 2008, 111, 249-262.	3.0	48
23	Discriminant analysis and similarity measure. Pattern Recognition, 2014, 47, 359-367.	5.1	46
24	A General Discriminant Model for Color Face Recognition. , 2007, , .		29
25	Extracting discriminative color features for face recognition. Pattern Recognition Letters, 2011, 32, 1796-1804.	2.6	29
26	Inheritable Fisher vector feature for kinship verification. , 2015, , .		27
27	Robust Face Recognition Using Color Information. Lecture Notes in Computer Science, 2009, , 122-131.	1.0	26
28	What kind of color spaces is suitable for color face recognition?. Neurocomputing, 2010, 73, 2140-2146.	3.5	25
29	Extracting Multiple Features in the CID Color Space for Face Recognition. IEEE Transactions on Image Processing, 2010, 19, 2502-2509.	6.0	23
30	A New Bag of Words LBP (BoWL) Descriptor for Scene Image Classification. Lecture Notes in Computer Science, 2013, , 490-497.	1.0	22
31	New color GPHOG descriptors for object and scene image classification. Machine Vision and Applications, 2014, 25, 361-375.	1.7	20
32	A novel inheritable color space with application to kinship verification. , 2016, , .		20
33	Effective use of color information for large scale face verification. Neurocomputing, 2013, 101, 43-51.	3.5	19
34	Clustering-Based Discriminant Analysis for Eye Detection. IEEE Transactions on Image Processing, 2014, 23, 1629-1638.	6.0	18
35	SIFT flow based genetic fisher vector feature for kinship verification. , 2016, , .		18
36	Feature local binary patterns with application to eye detection. Neurocomputing, 2013, 113, 138-152.	3.5	17

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37	New colour SIFT descriptors for image classification with applications to biometrics. International Journal of Biometrics, 2011, 3, 56.	0.3	16
38	LBP and Color Descriptors for Image Classification. Intelligent Systems Reference Library, 2012, , 205-225.	1.0	14
39	A Sparse Representation Model Using the Complete Marginal Fisher Analysis Framework and Its Applications to Visual Recognition. IEEE Transactions on Multimedia, 2017, 19, 1757-1770.	5.2	14
40	A discriminant color space method for face representation and verification on a large-scale database. , 2008, , .		13
41	A New Foreground Segmentation Method for Video Analysis in Different Color Spaces. , 2018, , .		13
42	Color multi-fusion fisher vector feature for fine art painting categorization and influence analysis. , 2016, , .		11
43	Eye detection using color information and a new efficient SVM. , 2010, , .		9
44	A new cast shadow detection method for traffic surveillance video analysis using color and statistical modeling. Image and Vision Computing, 2020, 94, 103863.	2.7	9
45	A New Global Foreground Modeling andÂLocal Background Modeling Method forÂVideo Analysis. Lecture Notes in Computer Science, 2018, , 49-63.	1.0	9
46	Face detection using discriminating feature analysis and support vector machine in video. , 2004, , .		8
47	Sparse Representation Based Complete Kernel Marginal Fisher Analysis Framework for Computational Art Painting Categorization. Lecture Notes in Computer Science, 2016, , 612-627.	1.0	8
48	Comparative Assessment of Content-Based Face Image Retrieval in Different Color Spaces. Lecture Notes in Computer Science, 2005, , 1039-1048.	1.0	7
49	Scene image classification: Some novel descriptors. , 2012, , .		7
50	Face Recognition Using Independent GaborWavelet Features. Lecture Notes in Computer Science, 2001, , 20-25.	1.0	7
51	Iris recognition based on robust iris segmentation and image enhancement. International Journal of Biometrics, 2012, 4, 56.	0.3	6
52	HaarHOG: Improving the HOG Descriptor for Image Classification. , 2013, , .		6
53	A New Online Approach for Moving Cast Shadow Suppression in Traffic Videos. , 2021, , .		6
54	Clarification of Assumptions in the Relationship between the Bayes Decision Rule and the Whitened Cosine Similarity Measure. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1116-1117.	9.7	5

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55	Novel EFM-KNN classifier and a new color descriptor for image classification. , 2011, , .		5
56	An effective colour feature extraction method using evolutionary computation for face recognition. International Journal of Biometrics, 2011, 3, 206.	0.3	5
57	Cross Disciplinary Biometric Systems. Intelligent Systems Reference Library, 2012, , .	1.0	5
58	A new locally linear KNN method with an improved marginal Fisher analysis for image classification. , 2014, , .		5
59	Scene image classification using a wigner-based Local Binary Patterns descriptor. , 2014, , .		4
60	Novel general KNN classifier and general nearest mean classifier for visual classification. , 2015, , .		4
61	Horizontal and Vertical 2DPCA Based Discriminant Analysis for Face Verification Using the FRGC Version 2 Database. Lecture Notes in Computer Science, 2007, , 838-847.	1.0	4
62	Precise Eye Detection Using Discriminating HOG Features. Lecture Notes in Computer Science, 2011, , 443-450.	1.0	4
63	A new efficient SVM and its application to real-time accurate eye localization. , 2011, , .		3
64	Various Discriminatory Features for Eye Detection. Intelligent Systems Reference Library, 2012, , 183-203.	1.0	3
65	An Innovative Video Quality Assessment Method and An Impairment Video Dataset. , 2021, , .		3
66	Face Recognition. , 2005, , 97-114.		2
67	Novel color, shape and texture-based scene image descriptors. , 2012, , .		2
68	Feature Representation and Extraction for Image Search and Video Retrieval. Intelligent Systems Reference Library, 2017, , 1-19.	1.0	1
69	SIFT Features in Multiple Color Spaces for Improved Image Classification. Intelligent Systems Reference Library, 2017, , 145-166.	1.0	1
70	Generative and Discriminative Sparse Coding for Image Classification Applications. , 2018, , .		1
71	Novel Gabor-PHOG Features for Object and Scene Image Classification. Lecture Notes in Computer Science, 2012, , 584-592.	1.0	1
72	Novel Sparse Kernel Manifold Learner for Image Classification Applications. Intelligent Systems Reference Library, 2017, , 91-114.	1.0	1

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73	Feature Local Binary Patterns. Intelligent Systems Reference Library, 2012, , 1-13.	1.0	0
74	A novel hierarchical interaction model and HITS map for action recognition in static images. , 2014, , .		0
75	Learning and Recognition Methods for Image Search and Video Retrieval. Intelligent Systems Reference Library, 2017, , 21-43.	1.0	0
76	Wavelet Features for 3D Face Recognition. Intelligent Systems Reference Library, 2012, , 93-116.	1.0	0
77	Frequency and Color Fusion for Face Verification. Intelligent Systems Reference Library, 2012, , 53-71.	1.0	0
78	New Color Features for Pattern Recognition. Intelligent Systems Reference Library, 2012, , 15-34.	1.0	0
79	Mixture of Classifiers for Face Recognition across Pose. Intelligent Systems Reference Library, 2012, , 73-92.	1.0	0
80	Gabor-DCT Features with Application to Face Recognition. Intelligent Systems Reference Library, 2012, , 35-51.	1.0	0
81	Eye Detection Using Color, Haar Features, and Efficient Support Vector Machine. Advances in Computational Intelligence and Robotics Book Series, 2012, , 286-309.	0.4	0
82	Local Texture Descriptors on Biometric Detection: New Local Quaternary Pattern Descriptors and Case Study on Eye Detection. , 2012, , 129-151.		0
83	Gabor-Based Novel Local, Shape and Color Features for Image Classification. Lecture Notes in Computer Science, 2012, , 299-306.	1.0	0
84	Efficient Iris Identification with Improved Segmentation Techniques. Advances in Computational Intelligence and Robotics Book Series, 2012, , 148-164.	0.4	0
85	A New Efficient SVM (eSVM) with Applications to Accurate and Efficient Eye Search in Images. Intelligent Systems Reference Library, 2017, , 115-144.	1.0	0
86	Inheritable Color Space (InCS) and Generalized InCS Framework with Applications to Kinship Verification. Intelligent Systems Reference Library, 2017, , 65-89.	1.0	0