

K V Arya

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,283
citations

361296

20
h-index

395590

33
g-index

93
all docs

93
docs citations

93
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated microscopic image analysis for leukocytes identification: A survey. <i>Micron</i> , 2014, 65, 20-33.	1.1	98
2	Memetic search in artificial bee colony algorithm. <i>Soft Computing</i> , 2013, 17, 1911-1928.	2.1	87
3	Opposition based Lévy flight artificial bee colony. <i>Memetic Computing</i> , 2013, 5, 213-227.	2.7	81
4	Lévy flight artificial bee colony algorithm. <i>International Journal of Systems Science</i> , 2016, 47, 2652-2670.	3.7	69
5	Leukocyte segmentation in tissue images using differential evolution algorithm. <i>Swarm and Evolutionary Computation</i> , 2013, 11, 46-54.	4.5	68
6	Feature selection for image steganalysis using levy flight-based grey wolf optimization. <i>Multimedia Tools and Applications</i> , 2019, 78, 1473-1494.	2.6	60
7	Fitness based Differential Evolution. <i>Memetic Computing</i> , 2012, 4, 303-316.	2.7	56
8	A new heuristic for multilevel thresholding of images. <i>Expert Systems With Applications</i> , 2019, 117, 176-203.	4.4	56
9	Feature selection and classification of leukocytes using random forest. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 1041-1052.	1.6	55
10	An effective gbest-guided gravitational search algorithm for real-parameter optimization and its application in training of feedforward neural networks. <i>Knowledge-Based Systems</i> , 2018, 143, 192-207.	4.0	44
11	Image registration using robust M-estimators. <i>Pattern Recognition Letters</i> , 2007, 28, 1957-1968.	2.6	39
12	Self-adaptive artificial bee colony. <i>Optimization</i> , 2014, 63, 1513-1532.	1.0	35
13	Low-dose CT image reconstruction using gain intervention-based dictionary learning. <i>Modern Physics Letters B</i> , 2018, 32, 1850148.	1.0	32
14	Grey wolf optimization algorithm for facial image super-resolution. <i>Applied Intelligence</i> , 2019, 49, 1324-1338.	3.3	31
15	Histogram statistics based variance controlled adaptive threshold in anisotropic diffusion for low contrast image enhancement. <i>Signal Processing</i> , 2013, 93, 1684-1693.	2.1	30
16	Edge preservation of impulse noise filtered images by improved anisotropic diffusion. <i>Multimedia Tools and Applications</i> , 2014, 73, 573-597.	2.6	27
17	Self Balanced Differential Evolution. <i>Journal of Computational Science</i> , 2014, 5, 312-323.	1.5	26
18	Fourth-order partial differential equations based anisotropic diffusion model for low-dose CT images. <i>Modern Physics Letters B</i> , 2018, 32, 1850300.	1.0	23

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19	Efficient face recognition using wavelet-based generalized neural network. Signal Processing, 2013, 93, 1557-1565.	2.1	22
20	Model Order Reduction of Single Input Single Output Systems Using Artificial Bee Colony Optimization Algorithm. Studies in Computational Intelligence, 2011, , 85-100.	0.7	21
21	LÃvy Flight Based Local Search in Differential Evolution. Lecture Notes in Computer Science, 2013, , 248-259.	1.0	20
22	Noise Robust Face Hallucination via Outlier Regularized Least Square and Neighbor Representation. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2019, 1, 252-263.	3.8	19
23	A robust face super-resolution algorithm and its application in low-resolution face recognition system. Multimedia Tools and Applications, 2020, 79, 23909-23934.	2.6	19
24	A review on presentation attack detection system for fake fingerprint. Modern Physics Letters B, 2020, 34, 2030001.	1.0	19
25	Key Classification: A New Approach in Free Text Keystroke Authentication System. , 2011, , .		17
26	A robust facial image super-resolution model via mirror-patch based neighbor representation. Multimedia Tools and Applications, 2019, 78, 25407-25426.	2.6	14
27	A new fuzzy rule based pixel organization scheme for optimal edge detection and impulse noise removal. Multimedia Tools and Applications, 2020, 79, 33811-33837.	2.6	11
28	A multimodal liveness detection using statistical texture features and spatial analysis. Multimedia Tools and Applications, 2020, 79, 13621-13645.	2.6	11
29	Classification using redundant mapping in modular neural networks. , 2010, , .		10
30	An efficient low-dose CT reconstruction technique using partial derivatives based guided image filter. Multimedia Tools and Applications, 2019, 78, 14733-14752.	2.6	10
31	Dynamic Scaling Factor Based Differential Evolution Algorithm. Advances in Intelligent and Soft Computing, 2012, , 73-85.	0.2	10
32	Dynamic Swarm Artificial Bee Colony Algorithm. International Journal of Applied Evolutionary Computation, 2012, 3, 19-33.	0.7	10
33	Power aware and secure routing in mobile and ad-hoc networks. , 2013, , .		9
34	Face Hallucination Techniques: A Survey. , 2018, , .		9
35	Intrusion Detection System Against Colluding Misbehavior in MANETs. Wireless Personal Communications, 2018, 100, 491-503.	1.8	8
36	Face Image Super-Resolution Using Differential Evolutionary Algorithm. Advances in Intelligent Systems and Computing, 2019, , 635-644.	0.5	8

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37	Noise-Robust Low-Resolution Face Recognition Using SIFT Features. Advances in Intelligent Systems and Computing, 2019, , 645-655.	0.5	8
38	Face recognition from video using generalized mean deep learning neural network. , 2016, , .		7
39	A modified AODV protocol for preventing blackhole attack in MANETs. Information Security Journal, 2017, 26, 240-248.	1.3	6
40	Automatic facial expression recognition for image sequences. , 2013, , .		5
41	Artificial bee colony algorithm for automatic leukocytes segmentation in histopathological images. , 2014, , .		5
42	Regularization Based Modified SART Iterative Method for CT Image Reconstruction. , 2016, , .		5
43	Video compression using Self organizing map and pattern storage using Hopfield Neural Network. , 2009, , .		4
44	Experimental Study and Analysis of Security Threats in Compromised Networks. Lecture Notes in Electrical Engineering, 2014, , 53-60.	0.3	4
45	Very low resolution face recognition using fused visual and texture features. , 2017, , .		4
46	Artificial Prey-Predator (APP): An efficient approach for numerical function optimization. , 2017, , .		4
47	A clustering based algorithm for network intrusion detection. , 2012, , .		3
48	Diversity Measures in Artificial Bee Colony. Advances in Intelligent Systems and Computing, 2013, , 299-314.	0.5	3
49	An object based image retrieval framework based on automatic image annotation. , 2014, , .		3
50	Facial recognition using histogram of Gabor phase patterns and self organizing maps. , 2016, , .		3
51	CNN Classifier based Low-resolution Face Recognition Algorithm. , 2020, , .		3
52	Improved Ant Colony Optimization Technique for Mobile Adhoc Networks. Communications in Computer and Information Science, 2011, , 1-13.	0.4	3
53	Multiple Secret Images Sharing Scheme. , 2008, , .		2
54	An efficient 2D image registration algorithm. , 2009, , .		2

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55	Fuzzy based diffusion coefficient function in anisotropic diffusion for impulse noise removal. , 2012, , .		2
56	Automatic Facial Expression Recognition in an Image Sequence of Non-Manual Indian Sign Language Using Support Vector Machine. Advances in Intelligent and Soft Computing, 2012, , 267-275.	0.2	2
57	A New Adaptive Thresholding in SVD for Efficient Image De-noising. Advances in Intelligent and Soft Computing, 2012, , 659-670.	0.2	2
58	A new Motion Estimation Technique for video compression. , 2013, , .		2
59	An efficient halftone visual secret sharing scheme. , 2014, , .		2
60	Two stage image de-noising by SVD on large scale heterogeneous anisotropic diffused image data. Multimedia Tools and Applications, 2018, 77, 22543-22566.	2.6	2
61	A Robust PDE Based Image De-Noising Method. International Journal of Computer and Electrical Engineering, 2012, , 303-306.	0.2	2
62	Digital Video Watermarking Using Scene Detection. Advances in Intelligent Systems and Computing, 2013, , 315-323.	0.5	2
63	Automatic facial landmark detection in a video sequences of non-manual sign languages. , 2009, , .		1
64	Efficient image de-noising and edge enhancement by singular value decomposition on anisotropic diffused image data. , 2014, , .		1
65	Efficient face recognition using morphological operations. , 2014, , .		1
66	Face recognition under partial occlusion using HMM and Face Edge Length Model. , 2014, , .		1
67	An efficient approach for web path traversal pattern based on visitor preferences and navigation behavior. , 2014, , .		1
68	An improved image authentication technique using random-sequence based secret-sharing scheme. , 2014, , .		1
69	Improved feature based offline signature enhancement and verification. , 2014, , .		1
70	Face recognition using generalized self organising map based on PCNN features. , 2015, , .		1
71	Score level fusion of Iris and Fingerprint using wavelet features. , 2016, , .		1
72	Parameter optimization for HEVC/H.265 encoder using multi-objective optimization technique. , 2016, , .		1

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73	Flag-bit based co-operative communication to avoid energy holes in Wireless Sensor Network. , 2016, , .		1
74	Prey Phase based Grey Wolf Optimizer. , 2018, , .		1
75	A Novel Technique for Secure Information Transmission Using Framed Video Watermarking. Advances in Intelligent and Soft Computing, 2011, , 245-256.	0.2	1
76	Generating Cancelable Fingerprint Using Drawing Code. Advances in Intelligent and Soft Computing, 2012, , 189-195.	0.2	1
77	A Study on Dictionary Learning Based Image Reconstruction Techniques for Big Medical Data. , 2019, , 377-393.		1
78	IIITM Face. , 2020, , .		1
79	Performance Evaluation of SCTP-Sec: A Secure SCTP Mechanism. , 2009, , .		0
80	New Sierpinski's models. , 2009, , .		0
81	Performance evaluation of an ant colony based routing algorithm in the presence of a misbehaving node. , 2012, , .		0
82	Combating interference in power control MAC protocol for wireless ad hoc networks. , 2013, , .		0
83	S-ALERT: Secure anonymous location-based efficient routing protocol. , 2014, , .		0
84	Face recognition using user specific features. , 2014, , .		0
85	Multiple image sharing scheme for secure communication. , 2014, , .		0
86	A web link retrieval framework for retrieving non redundant description based web links. , 2014, , .		0
87	Rendering the behavior of routing protocols for diverse mobility patterns in energy constrained large adhoc networks. , 2014, , .		0