

Shouvik Chakraborty

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

960
citations

567281

15
h-index

642732

23
g-index

55
all docs

55
docs citations

55
times ranked

192
citing authors

#	ARTICLE	IF	CITATIONS
1	An Unsupervised Fuzzy Clustering Approach for Early Screening of COVID-19 From Radiological Images. IEEE Transactions on Fuzzy Systems, 2022, 30, 2902-2914.	9.8	17
2	Biomedical image segmentation using fuzzy multilevel soft thresholding system coupled modified cuckoo search. Biomedical Signal Processing and Control, 2022, 72, 103324.	5.7	14
3	A radiological image analysis framework for early screening of the COVID-19 infection: A computer vision-based approach. Applied Soft Computing Journal, 2022, 119, 108528.	7.2	5
4	Fuzzy modified cuckoo search for biomedical image segmentation. Knowledge and Information Systems, 2022, 64, 1121-1160.	3.2	2
5	Detection of HIV-1 progression phases from transcriptional profiles in ex vivo CD4+ and CD8+ T cells using meta-heuristic supported artificial neural network. Multimedia Tools and Applications, 2022, 81, 15103-15126.	3.9	5
6	SuFMoFPA: A superpixel and meta-heuristic based fuzzy image segmentation approach to explicate COVID-19 radiological images. Expert Systems With Applications, 2021, 167, 114142.	7.6	38
7	An Image Security Method Based on Low Dimensional Chaotic Environment and DNA Encoding. Lecture Notes in Networks and Systems, 2021, , 267-277.	0.7	1
8	A robust image encryption framework based on DNA computing and chaotic environment. Microsystem Technologies, 2021, 27, 3617-3627.	2.0	14
9	Penalized Fuzzy C-Means Coupled Level Set Based Biomedical Image Segmentation. Lecture Notes in Networks and Systems, 2021, , 279-287.	0.7	3
10	An Approach to Prevent Air Pollution and Generate Electricity Using Nanostructured Carbon Materials. International Journal of Applied Nanotechnology Research, 2021, 6, 1-8.	1.1	0
11	A Biomedical Image Segmentation Approach Using Fractional Order Darwinian Particle Swarm Optimization and Thresholding. Lecture Notes in Networks and Systems, 2021, , 299-306.	0.7	6
12	A Biomedical Image Segmentation Approach Using Darwinian Particle Swarm Optimization and Thresholding. Lecture Notes in Networks and Systems, 2021, , 259-266.	0.7	0
13	A Smart and Intelligent Irrigation System With a Roadmap Ahead. International Journal of Digital Innovation in the Built Environment, 2021, 10, 18-33.	0.1	1
14	The MSK: a simple and robust image encryption method. Multimedia Tools and Applications, 2021, 80, 21261-21291.	3.9	9
15	A chaotic framework and its application in image encryption. Multimedia Tools and Applications, 2021, 80, 24069.	3.9	8
16	A morphology-based radiological image segmentation approach for efficient screening of COVID-19. Biomedical Signal Processing and Control, 2021, 69, 102800.	5.7	18
17	SUFMACS: A machine learning-based robust image segmentation framework for COVID-19 radiological image interpretation. Expert Systems With Applications, 2021, 178, 115069.	7.6	13
18	Utilization of Hyperchaotic Environment and DNA Sequences for Digital Image Security. Lecture Notes in Networks and Systems, 2021, , 289-297.	0.7	2

#	ARTICLE	IF	CITATIONS
19	An Intelligent and Smart Belt for the Blind People. Lecture Notes in Networks and Systems, 2021, , 307-316.	0.7	2
20	Intelligent Computing in Medical Imaging. , 2021, , 592-608.		0
21	Image Segmentation Based on Galactic Swarm Optimization. Lecture Notes in Networks and Systems, 2021, , 251-258.	0.7	3
22	Edge Computing Based Conceptual Framework for Smart Health Care Applications Using Z-Wave and Homebased Wireless Sensor Network. , 2021, , 387-414.		3
23	Fuzzy Electromagnetism Optimization (FEMO) and its application in biomedical image segmentation. Applied Soft Computing Journal, 2020, 97, 106800.	7.2	20
24	Penalized Fuzzy C-Means Enabled Hybrid Region Growing in Segmenting Medical Images. Studies in Computational Intelligence, 2020, , 41-65.	0.9	20
25	Data Security Techniques Based on DNA Encryption. Advances in Intelligent Systems and Computing, 2020, , 239-249.	0.6	18
26	Biomedical Image Security Using Matrix Manipulation and DNA Encryption. Advances in Intelligent Systems and Computing, 2020, , 49-60.	0.6	14
27	A Robust Image Encryption Method Using Chaotic Skew-Tent Map. Advances in Computational Intelligence and Robotics Book Series, 2020, , 1-29.	0.4	12
28	An Advanced Approach to Detect Edges of Digital Images for Image Segmentation. Advances in Computational Intelligence and Robotics Book Series, 2020, , 90-118.	0.4	18
29	An Overview of Biomedical Image Analysis From the Deep Learning Perspective. Advances in Computational Intelligence and Robotics Book Series, 2020, , 197-218.	0.4	15
30	An Optimized Intelligent Dermatologic Disease Classification Framework Based on IoT. Advances in Intelligent Systems and Computing, 2020, , 131-151.	0.6	3
31	A Dual Layer Image Encryption using Polymerase Chain Reaction Amplification and DNA Encryption. , 2019, , .		18
32	Contrast Optimization using Elitist Metaheuristic Optimization and Gradient Approximation for Biomedical Image Enhancement. , 2019, , .		21
33	A Study on the Applications of the Biomedical Image Encryption Methods for Secured Computer Aided Diagnostics. , 2019, , .		27
34	Automated Breast Cancer Identification by analyzing Histology Slides using Metaheuristic Supported Supervised Classification coupled with Bag-of-Features. , 2018, , .		19
35	Application of Multiobjective Optimization Techniques in Biomedical Image Segmentationâ€”A Study. , 2018, , 181-194.		24
36	Intelligent Computing in Medical Imaging. Advances in Data Mining and Database Management Book Series, 2018, , 143-163.	0.5	41

#	ARTICLE	IF	CITATIONS
37	Analysis of Different Feature Description Algorithm in object Recognition. , 2018, , 601-635.		4
38	A New and Resilient Image Encryption Technique Based on Pixel Manipulation, Value Transformation and Visual Transformation Utilizing Single-Level Haar Wavelet Transform. Advances in Intelligent Systems and Computing, 2017, , 603-611.	0.6	23
39	Modified cuckoo search algorithm in microscopic image segmentation of hippocampus. Microscopy Research and Technique, 2017, 80, 1051-1072.	2.2	98
40	Biomedical image enhancement based on modified Cuckoo Search and morphology. , 2017, , .		30
41	Detection of skin disease using metaheuristic supported artificial neural networks. , 2017, , .		37
42	Image based skin disease detection using hybrid neural network coupled bag-of-features. , 2017, , .		34
43	Bio-medical image enhancement using hybrid metaheuristic coupled soft computing tools. , 2017, , .		18
44	Gradient approximation in retinal blood vessel segmentation. , 2017, , .		25
45	Cellular image processing using morphological analysis. , 2017, , .		22
46	An integrated method for automated biomedical image segmentation. , 2017, , .		18
47	Optimal usage of pessimistic association rules in cost effective decision making. , 2017, , .		17
48	Bag-of-features based classification of dermoscopic images. , 2017, , .		15
49	Dermatological effect of UV rays owing to ozone layer depletion. , 2017, , .		19
50	Analysis of Different Feature Description Algorithm in object Recognition. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 66-99.	0.2	23
51	A Study on Different Edge Detection Techniques in Digital Image Processing. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 100-122.	0.2	18
52	A Novel Lossless Image Encryption Method using DNA Substitution and Chaotic Logistic Map. International Journal of Security and Its Applications, 2016, 10, 205-216.	0.8	35
53	An Efficient Approach to Job Shop Scheduling Problem using Simulated Annealing. International Journal of Hybrid Information Technology, 2015, 8, 273-284.	0.6	40
54	An Efficient Image Cryptographic Algorithm based on Frequency Domain using Haar Wavelet Transform. International Journal of Security and Its Applications, 2015, 9, 279-288.	0.8	32

#	ARTICLE	IF	CITATIONS
55	An Efficient Approach to Calculate Dynamic Time Quantum in Round Robin Algorithm for Efficient Load Balancing. International Journal of Computer Applications, 2015, 123, 48-52.	0.2	18