

Shouvik Chakraborty

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4036896/publications.pdf>

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	Modified cuckoo search algorithm in microscopic image segmentation of hippocampus. <i>Microscopy Research and Technique</i> , 2017, 80, 1051-1072.	2.2	98
2	Intelligent Computing in Medical Imaging. <i>Advances in Data Mining and Database Management Book Series</i> , 2018, , 143-163.	0.5	41
3	An Efficient Approach to Job Shop Scheduling Problem using Simulated Annealing. <i>International Journal of Hybrid Information Technology</i> , 2015, 8, 273-284.	0.6	40
4	SuFMoFPA: A superpixel and meta-heuristic based fuzzy image segmentation approach to explicate COVID-19 radiological images. <i>Expert Systems With Applications</i> , 2021, 167, 114142.	7.6	38
5	Detection of skin disease using metaheuristic supported artificial neural networks. , 2017, , .		37
6	A Novel Lossless Image Encryption Method using DNA Substitution and Chaotic Logistic Map. <i>International Journal of Security and Its Applications</i> , 2016, 10, 205-216.	0.8	35
7	Image based skin disease detection using hybrid neural network coupled bag-of-features. , 2017, , .		34
8	An Efficient Image Cryptographic Algorithm based on Frequency Domain using Haar Wavelet Transform. <i>International Journal of Security and Its Applications</i> , 2015, 9, 279-288.	0.8	32
9	Biomedical image enhancement based on modified Cuckoo Search and morphology. , 2017, , .		30
10	A Study on the Applications of the Biomedical Image Encryption Methods for Secured Computer Aided Diagnostics. , 2019, , .		27
11	Gradient approximation in retinal blood vessel segmentation. , 2017, , .		25
12	Application of Multiobjective Optimization Techniques in Biomedical Image Segmentationâ€”A Study. , 2018, , 181-194.		24
13	A New and Resilient Image Encryption Technique Based on Pixel Manipulation, Value Transformation and Visual Transformation Utilizing Singleâ€”Level Haar Wavelet Transform. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 603-611.	0.6	23
14	Analysis of Different Feature Description Algorithm in object Recognition. <i>Advances in Multimedia and Interactive Technologies Book Series</i> , 2017, , 66-99.	0.2	23
15	Cellular image processing using morphological analysis. , 2017, , .		22
16	Contrast Optimization using Elitist Metaheuristic Optimization and Gradient Approximation for Biomedical Image Enhancement. , 2019, , .		21
17	Fuzzy Electromagnetism Optimization (FEMO) and its application in biomedical image segmentation. <i>Applied Soft Computing Journal</i> , 2020, 97, 106800.	7.2	20
18	Penalized Fuzzy C-Means Enabled Hybrid Region Growing in Segmenting Medical Images. <i>Studies in Computational Intelligence</i> , 2020, , 41-65.	0.9	20

#	ARTICLE	IF	CITATIONS
19	Dermatological effect of UV rays owing to ozone layer depletion. , 2017, , .		19
20	Automated Breast Cancer Identification by analyzing Histology Slides using Metaheuristic Supported Supervised Classification coupled with Bag-of-Features. , 2018, , .		19
21	Bio-medical image enhancement using hybrid metaheuristic coupled soft computing tools. , 2017, , .		18
22	An integrated method for automated biomedical image segmentation. , 2017, , .		18
23	A Dual Layer Image Encryption using Polymerase Chain Reaction Amplification and DNA Encryption. , 2019, , .		18
24	A morphology-based radiological image segmentation approach for efficient screening of COVID-19. Biomedical Signal Processing and Control, 2021, 69, 102800.	5.7	18
25	Data Security Techniques Based on DNA Encryption. Advances in Intelligent Systems and Computing, 2020, , 239-249.	0.6	18
26	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
27	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
28	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
29	Optimal usage of pessimistic association rules in cost effective decision making. , 2017, , .		17
30	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
31	Bag-of-features based classification of dermoscopic images. , 2017, , .		15
32	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
33	A robust image encryption framework based on DNA computing and chaotic environment. Microsystem Technologies, 2021, 27, 3617-3627.	2.0	14
34	Biomedical Image Security Using Matrix Manipulation and DNA Encryption. Advances in Intelligent Systems and Computing, 2020, , 49-60.	0.6	14
35	Biomedical image segmentation using fuzzy multilevel soft thresholding system coupled modified cuckoo search. Biomedical Signal Processing and Control, 2022, 72, 103324.	5.7	14
36	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

#	ARTICLE	IF	CITATIONS
37	A Robust Image Encryption Method Using Chaotic Skew-Tent Map. Advances in Computational Intelligence and Robotics Book Series, 2020, , 1-29.	0.4	12
38	The MSK: a simple and robust image encryption method. Multimedia Tools and Applications, 2021, 80, 21261-21291.	3.9	9
39	A chaotic framework and its application in image encryption. Multimedia Tools and Applications, 2021, 80, 24069.	3.9	8
40	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
41	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
42	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
43	Analysis of Different Feature Description Algorithm in object Recognition. , 2018, , 601-635.		4
44	Penalized Fuzzy C-Means Coupled Level Set Based Biomedical Image Segmentation. Lecture Notes in Networks and Systems, 2021, , 279-287.	0.7	3
45	Image Segmentation Based on Galactic Swarm Optimization. Lecture Notes in Networks and Systems, 2021, , 251-258.	0.7	3
46	An Optimized Intelligent Dermatologic Disease Classification Framework Based on IoT. Advances in Intelligent Systems and Computing, 2020, , 131-151.	0.6	3
47	Edge Computing Based Conceptual Framework for Smart Health Care Applications Using Z-Wave and Homebased Wireless Sensor Network. , 2021, , 387-414.		3
48	Utilization of Hyperchaotic Environment and DNA Sequences for Digital Image Security. Lecture Notes in Networks and Systems, 2021, , 289-297.	0.7	2
49	An Intelligent and Smart Belt for the Blind People. Lecture Notes in Networks and Systems, 2021, , 307-316.	0.7	2
50	Fuzzy modified cuckoo search for biomedical image segmentation. Knowledge and Information Systems, 2022, 64, 1121-1160.	3.2	2
51	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
52	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
53	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
54	A Biomedical Image Segmentation Approach Using Darwinian Particle Swarm Optimization and Thresholding. Lecture Notes in Networks and Systems, 2021, , 259-266.	0.7	0

#	ARTICLE	IF	CITATIONS
55	Intelligent Computing in Medical Imaging. , 2021, , 592-608.		0