

Siddhartha Bhattacharyya

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

2,619
citations

257450

24
h-index

214800

47
g-index

115
all docs

115
docs citations

115
times ranked

1952
citing authors

#	ARTICLE	IF	CITATIONS
1	Qutrit-Inspired Fully Self-Supervised Shallow Quantum Learning Network for Brain Tumor Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6331-6345.	11.3	17
2	An introduction to data mining in social networks. , 2022, , 1-25.		8
3	A Three-Step Fuzzy-Based BERT Model for Sentiment Analysis. Studies in Computational Intelligence, 2022, , 41-52.	0.9	5
4	Leveraging Cofollowership Patterns on Social Media to Identify Brand Alliance Opportunities. Journal of Marketing, 2022, 86, 17-36.	11.3	7
5	Optimized activation for quantum-inspired self-supervised neural network based fully automated brain lesion segmentation. Applied Intelligence, 2022, 52, 15643-15672.	5.3	2
6	Auto-Diagnosis of COVID-19 Using Lung CT Images With Semi-Supervised Shallow Learning Network. IEEE Access, 2021, 9, 28716-28728.	4.2	34
7	Grayscale Image Segmentation With Quantum-Inspired Multilayer Self-Organizing Neural Network Architecture Endorsed by Context Sensitive Thresholding. , 2021, , 197-227.		0
8	Quantum inspired meta-heuristic approaches for automatic clustering of colour images. International Journal of Intelligent Systems, 2021, 36, 4852-4901.	5.7	5
9	Hyperspectral multi-level image thresholding using qutrit genetic algorithm. Expert Systems With Applications, 2021, 181, 115107.	7.6	9
10	True Color Image Segmentation Using Quantum-Induced Modified-Genetic-Algorithm-Based FCM Algorithm. , 2021, , 164-196.		0
11	COVID-19 Outbreak Prediction Using Quantum Neural Networks. Advances in Intelligent Systems and Computing, 2021, , 113-123.	0.6	7
12	Quantum fractional order Darwinian particle swarm optimization for hyperspectral multi-level image thresholding. Applied Soft Computing Journal, 2021, 113, 107976.	7.2	10
13	A Survey of Sentiment Analysis from Social Media Data. IEEE Transactions on Computational Social Systems, 2020, 7, 450-464.	4.4	96
14	Novel quantum inspired approaches for automatic clustering of gray level images using Particle Swarm Optimization, Spider Monkey Optimization and Ageist Spider Monkey Optimization algorithms. Applied Soft Computing Journal, 2020, 88, 106040.	7.2	24
15	Sentiment Analysis of COVID-19 tweets by Deep Learning Classifiers”A study to show how popularity is affecting accuracy in social media. Applied Soft Computing Journal, 2020, 97, 106754.	7.2	244
16	Multilevel Quantum Inspired Fractional Order Ant Colony Optimization for Automatic Clustering of Hyperspectral Images. , 2020, , .		4
17	A Quantum-Inspired Self-Supervised Network model for automatic segmentation of brain MR images. Applied Soft Computing Journal, 2020, 93, 106348.	7.2	22
18	Border Collie Optimization. IEEE Access, 2020, 8, 109177-109197.	4.2	56

#	ARTICLE	IF	CITATIONS
19	Color MRI Image Segmentation Using Quantum-Inspired Modified Genetic Algorithm-Based FCM. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 151-164.	0.6	5
20	Statistical-based system combination approach to gain advantages over different machine translation systems. <i>Heliyon</i> , 2019, 5, e02504.	3.2	16
21	Assembling translations from multi-engine machine translation outputs. <i>Applied Soft Computing Journal</i> , 2019, 78, 230-239.	7.2	30
22	Quantum-Inspired Bat Optimization Algorithm for Automatic Clustering of Grayscale Images. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 89-101.	0.6	5
23	A Novel Qutrit Based Quantum Ant Colony Optimization for Multi-level Thresholding. , 2019, , .		0
24	A Novel Quantum Inspired Sperm Whale Meta-heuristic for Image Thresholding. , 2019, , .		3
25	Opti-QIBDS Net: A Quantum-Inspired Optimized Bi-Directional Self-supervised Neural Network Architecture for Automatic Brain MR Image Segmentation. , 2019, , .		8
26	A vague set approach for identifying shot transition in videos using multiple feature amalgamation. <i>Applied Soft Computing Journal</i> , 2019, 75, 633-651.	7.2	11
27	QIBDS Net: A Quantum-Inspired Bi-Directional Self-supervised Neural Network Architecture for Automatic Brain MR Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2019, , 87-95.	1.3	1
28	A group incremental feature selection for classification using rough set theory based genetic algorithm. <i>Applied Soft Computing Journal</i> , 2018, 65, 400-411.	7.2	118
29	Chaotic crow search algorithm for fractional optimization problems. <i>Applied Soft Computing Journal</i> , 2018, 71, 1161-1175.	7.2	99
30	Introduction to Hybrid Metaheuristics. <i>Series in Machine Perception and Artificial Intelligence</i> , 2018, , 1-38.	0.1	0
31	Reinforcement Learning inspired Deep Learned Compositional Model for Decision Making in Tracking. , 2018, , .		0
32	Species Inspired PSO based Pyramid Match Kernel Model (PMK) for Moving Object Motion Tracking. , 2018, , .		0
33	A Multi-Objective Quantum-Inspired Genetic Algorithm (Mo-QIGA) for Real-Time Tasks Scheduling in Multiprocessor Environment. <i>Procedia Computer Science</i> , 2018, 131, 591-599.	2.0	24
34	Chicago Crime Data Analysis Using PIG in Hadoop. , 2018, , .		0
35	Quantum Spider Monkey Optimization (QSMO) Algorithm for Automatic Gray-Scale Image Clustering. , 2018, , .		8
36	Simulated Annealing Based Quantum Inspired Automatic Clustering Technique. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 73-81.	0.6	6

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37	Quantum Inspired Non-dominated Sorting Based Multi-objective GA for Multi-level Image Thresholding. Series in Machine Perception and Artificial Intelligence, 2018, , 141-170.	0.1	3
38	Quantum-Inspired Automatic Clustering Technique Using Ant Colony Optimization Algorithm. Advances in Computer and Electrical Engineering Book Series, 2018, , 27-54.	0.3	8
39	True Color Image Segmentation Using Quantum-Induced Modified-Genetic-Algorithm-Based FCM Algorithm. Advances in Computer and Electrical Engineering Book Series, 2018, , 55-94.	0.3	1
40	True Color Image Segmentation by MUSIG Activation Function Using Self-Supervised QMLSONN Architecture With Context-Sensitive Thresholding. Advances in Computer and Electrical Engineering Book Series, 2018, , 213-261.	0.3	0
41	Grayscale Image Segmentation With Quantum-Inspired Multilayer Self-Organizing Neural Network Architecture Endorsed by Context Sensitive Thresholding. Advances in Computer and Electrical Engineering Book Series, 2018, , 141-177.	0.3	0
42	Efficient quantum inspired meta-heuristics for multi-level true colour image thresholding. Applied Soft Computing Journal, 2017, 56, 472-513.	7.2	40
43	An improved Hybrid Quantum-Inspired Genetic Algorithm (HQIGA) for scheduling of real-time task in multiprocessor system. Applied Soft Computing Journal, 2017, 53, 296-307.	7.2	62
44	TSLA: Turing based service level agreement assessment model over diverse cloud deployments. , 2017, , .		2
45	PSO and DE based novel quantum inspired automatic clustering techniques. , 2017, , .		1
46	Detection of Gradual Transition in Videos. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 282-318.	0.2	2
47	Content Coverage and Redundancy Removal in Video Summarization. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 352-374.	0.2	0
48	Hybrid soft computing approaches to content based video retrieval: A brief review. Applied Soft Computing Journal, 2016, 46, 1008-1029.	7.2	41
49	A quantum parallel bi-directional self-organizing neural network (QPBDSOINN) architecture for extraction of pure color objects from noisy background. , 2016, , .		5
50	Pure color object extraction from a noisy state using quantum version parallel self organizing neural network. International Journal of Computers and Applications, 2016, 38, 164-186.	1.3	1
51	Automatic magnetic resonance image segmentation by fuzzy intercluster hostility index based genetic algorithm: An application. Applied Soft Computing Journal, 2016, 47, 669-683.	7.2	25
52	A quantum bi-directional self-organizing neural network (QBDSONN) architecture for binary object extraction from a noisy perspective. Applied Soft Computing Journal, 2016, 46, 731-752.	7.2	19
53	New quantum inspired meta-heuristic techniques for multi-level colour image thresholding. Applied Soft Computing Journal, 2016, 46, 677-702.	7.2	53
54	Color Magnetic Resonance Brain Image Segmentation by ParaOptiMUSIG Activation Function: An Application. Studies in Computational Intelligence, 2016, , 185-214.	0.9	2

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55	Large-Scale Network Analysis for Online Social Brand Advertising. MIS Quarterly: Management Information Systems, 2016, 40, 849-868.	4.2	66
56	Multilevel and Color Image Segmentation by NSGA II Based OptiMUSIC Activation Function. Advances in Computational Intelligence and Robotics Book Series, 2016, , 321-348.	0.4	1
57	Optimum Gray Level Image Thresholding using a Quantum Inspired Genetic Algorithm. Advances in Computational Intelligence and Robotics Book Series, 2016, , 349-377.	0.4	4
58	A Quantum Parallel Self Organizing Neural Network (QPSONN) for Pure Color Object Extraction from a Noisy Background. , 2015, , .		3
59	Enhancement of perceptual quality in static video summarization using minimal spanning tree approach. , 2015, , .		3
60	A Quantum Bi-Directional Self-Organizing Neural Network (QBDSOINN) for binary image denoising. , 2015, , .		7
61	A quantum backpropagation multilayer perceptron (QBMLP) for predicting iron adsorption capacity of calcareous soil from aqueous solution. Applied Soft Computing Journal, 2015, 27, 299-312.	7.2	9
62	Quantum Behaved Swarm Intelligent Techniques for Image Analysis. Advances in Computational Intelligence and Robotics Book Series, 2015, , 1-39.	0.4	4
63	Quantum Inspired Swarm Optimization for Multi-Level Image Segmentation Using BDSOINN Architecture. Advances in Computational Intelligence and Robotics Book Series, 2015, , 286-326.	0.4	1
64	New Quantum Inspired Tabu Search for Multi-level Colour Image thresholding. , 2014, , .		11
65	Towards redundancy reduction in storyboard representation for static video summarization. , 2014, , .		9
66	Quantum Inspired Automatic Clustering for Multi-level Image Thresholding. , 2014, , .		10
67	Quantum Behaved Multi-objective PSO and ACO Optimization for Multi-level Thresholding. , 2014, , .		11
68	Binary image denoising using a quantum multilayer self organizing neural network. Applied Soft Computing Journal, 2014, 24, 717-729.	7.2	42
69	Multi-level thresholding using quantum inspired meta-heuristics. Knowledge-Based Systems, 2014, 67, 373-400.	7.1	58
70	Quantum inspired genetic algorithm and particle swarm optimization using chaotic map model based interference for gray level image thresholding. Swarm and Evolutionary Computation, 2014, 15, 38-57.	8.1	55
71	Video Shot Segmentation Using Spatio-temporal Fuzzy Hostility Index and Automatic Threshold. , 2014, , .		7
72	A Quantum Multilayer Self Organizing Neural Network for Object Extraction from a Noisy Background. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
73	Chaotic Map Model-Based Interference Employed in Quantum-Inspired Genetic Algorithm to Determine the Optimum Gray Level Image Thresholding. Advances in Computational Intelligence and Robotics Book Series, 2014, , 68-110.	0.4	4
74	Efficient Color Image Segmentation by a Parallel Optimized (ParaOptiMUSIC) Activation Function. Advances in Computational Intelligence and Robotics Book Series, 2014, , 19-50.	0.4	2
75	A quantum inspired time efficient OptiMUSIC activation function for multilevel image segmentation. , 2013, , .		2
76	Confidence in predictions from random tree ensembles. Knowledge and Information Systems, 2013, 35, 391-410.	3.2	18
77	Color Image Segmentation by NSGA-II Based ParaOptiMUSIC Activation Function. , 2013, , .		5
78	Quantum inspired meta-heuristic algorithms for multi-level thresholding for true colour images. , 2013, , .		13
79	New quantum inspired meta-heuristic methods for multi-level thresholding. , 2013, , .		8
80	Multilevel Image Segmentation by a Multiobjective Genetic Algorithm Based OptiMUSIC Activation Function. , 2013, , 122-162.		2
81	Color image segmentation using parallel OptiMUSIC activation function. Applied Soft Computing Journal, 2012, 12, 3228-3236.	7.2	23
82	Gray Scale Image Segmentation by NSGA-II Based OptiMUSIC Activation Function. , 2012, , .		5
83	A parallel bi-directional self-organizing neural network (PBDSONN) architecture for color image extraction and segmentation. Neurocomputing, 2012, 86, 1-23.	5.9	17
84	An Efficient Quantum Inspired Genetic Algorithm with Chaotic Map Model Based Interference and Fuzzy Objective Function for Gray Level Image Thresholding. , 2011, , .		19
85	How Network Structure Affects Social Creativity. , 2011, , .		0
86	Confidence in Predictions from Random Tree Ensembles. , 2011, , .		12
87	Image Restoration Using a Multilayered Quantum Backpropagation Neural Network. , 2011, , .		7
88	Data mining for credit card fraud: A comparative study. Decision Support Systems, 2011, 50, 602-613.	5.9	560
89	Multilevel image segmentation with adaptive image context based thresholding. Applied Soft Computing Journal, 2011, 11, 946-962.	7.2	56
90	Efficient grey-level image segmentation using an optimised MUSIC (OptiMUSIC) activation function. International Journal of Parallel, Emergent and Distributed Systems, 2011, 26, 1-39.	1.0	18

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91	A Brief Survey of Color Image Preprocessing and Segmentation Techniques. Journal of Pattern Recognition Research, 2011, 6, 120-129.	0.9	68
92	True color image segmentation by an optimized multilevel activation function. , 2010, , .		8
93	Determination of optimal threshold of a gray-level image using a quantum inspired genetic algorithm with interference based on a random map model. , 2010, , .		10
94	Predictive Modeling on Multiple Marketing Objectives Using Evolutionary Computation. Studies in Fuzziness and Soft Computing, 2010, , 155-179.	0.8	0
95	High-speed target tracking by fuzzy hostility-induced segmentation of optical flow field. Applied Soft Computing Journal, 2009, 9, 126-134.	7.2	26
96	A differential evolution algorithm based automatic determination of optimal number of clusters validated by fuzzy intercluster hostility index. , 2009, , .		5
97	A three-dimensional self-organizing neural network architecture for three-dimensional object extraction from a noisy perspective. , 2009, , .		1
98	Multilevel Image Segmentation Using OptiMUSIC Activation Function with Fixed and Variable Thresholding: A Comparative Study. Advances in Intelligent and Soft Computing, 2009, , 53-62.	0.2	3
99	OptiMUSIC: An Optimized Gray Level Image Segmentor. , 2008, , .		3
100	Binary object extraction using bi-directional self-organizing neural network (BDSONN) architecture with fuzzy context sensitive thresholding. Pattern Analysis and Applications, 2007, 10, 345-360.	4.6	30
101	Design, development and validation of an agent-based model of electronic auctions. Information Technology and Management, 2006, 7, 191-212.	2.4	6
102	Fuzzy Context Sensitive Thresholding Guided Bidirectional Self Organizing Neural Network (BDSONN): A Gray Scale Object Extractor. , 2006, , .		1
103	Genetic programming in classifying large-scale data: an ensemble method. Information Sciences, 2004, 163, 85-101.	6.9	68
104	Evolutionary computation for database marketing. Journal of Database Marketing and Customer Strategy Management, 2003, 10, 343-352.	0.6	3
105	Photonic implementation of Hopfield neural network for associative pattern recognition. , 2001, , .		2
106	Direct Marketing Performance Modeling Using Genetic Algorithms. INFORMS Journal on Computing, 1999, 11, 248-257.	1.7	47
107	Genetic learning through simulation: An investigation in shop floor scheduling. Annals of Operations Research, 1998, 78, 1-29.	4.1	12
108	Inductive, Evolutionary, and Neural Computing Techniques for Discrimination: A Comparative Study. Decision Sciences, 1998, 29, 871-899.	4.5	66

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109	Learning by Objectives for Adaptive Shop-Floor Scheduling. Decision Sciences, 1998, 29, 347-375.	4.5	16
110	Quantum Behaved Swarm Intelligent Techniques for Image Analysis. , 0, , 893-931.		1