

Multilevel threshold image segmentation with diffusion algorithm and Renyi's entropy for chronic obstructive p

Computers in Biology and Medicine

134, 104427

DOI: [10.1016/j.combiomed.2021.104427](https://doi.org/10.1016/j.combiomed.2021.104427)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Early Recognition and Discrimination of COVID-19 Severity Using Slime Mould Support Vector Machine for Medical Decision-Making. IEEE Access, 2021, 9, 121996-122015.	2.6	12
2	Classification Framework for Healthy Hairs and Alopecia Areata: A Machine Learning (ML) Approach. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-10.	0.7	16
3	Adaptive opposition slime mould algorithm. Soft Computing, 2021, 25, 14297-14313.	2.1	39
4	Performance optimization of differential evolution with slime mould algorithm for multilevel breast cancer image segmentation. Computers in Biology and Medicine, 2021, 138, 104910.	3.9	64
5	A Hybrid SSA and SMA with Mutation Opposition-Based Learning for Constrained Engineering Problems. Computational Intelligence and Neuroscience, 2021, 2021, 1-21.	1.1	27
6	Boosting slime mould algorithm for parameter identification of photovoltaic models. Energy, 2021, 234, 121164.	4.5	73
7	Coarse-fine surrogate model driven multiobjective evolutionary fuzzy clustering algorithm with dual memberships for noisy image segmentation. Applied Soft Computing Journal, 2021, 112, 107778.	4.1	9
8	Gradient-based optimization with ranking mechanisms for parameter identification of photovoltaic systems. Energy Reports, 2021, 7, 3979-3997.	2.5	47
9	Gaussian Barebone Salp Swarm Algorithm with Stochastic Fractal Search for medical image segmentation: A COVID-19 case study. Computers in Biology and Medicine, 2021, 139, 104941.	3.9	36
10	COVID-19 X-ray image segmentation by modified whale optimization algorithm with population reduction. Computers in Biology and Medicine, 2021, 139, 104984.	3.9	69
11	Performance optimization of salp swarm algorithm for multi-threshold image segmentation: Comprehensive study of breast cancer microscopy. Computers in Biology and Medicine, 2021, 139, 105015.	3.9	41
12	A Modified Slime Mould Algorithm for Global Optimization. Computational Intelligence and Neuroscience, 2021, 2021, 1-22.	1.1	26
13	Remote Sensing Imagery Segmentation: A Hybrid Approach. Remote Sensing, 2021, 13, 4604.	1.8	5
14	An evolutionary Nelder-Mead slime mould algorithm with random learning for efficient design of photovoltaic models. Energy Reports, 2021, 7, 8784-8804.	2.5	20
15	Dispersed foraging slime mould algorithm: Continuous and binary variants for global optimization and wrapper-based feature selection. Knowledge-Based Systems, 2022, 237, 107761.	4.0	115
16	EOSMA: An Equilibrium Optimizer Slime Mould Algorithm for Engineering Design Problems. Arabian Journal for Science and Engineering, 2022, 47, 10115-10146.	1.7	25
17	Multi-Population Enhanced Slime Mould Algorithm and with Application to Postgraduate Employment Stability Prediction. Electronics (Switzerland), 2022, 11, 209.	1.8	13
18	Horizontal and vertical search artificial bee colony for image segmentation of COVID-19 X-ray images. Computers in Biology and Medicine, 2022, 142, 105181.	3.9	55

#	ARTICLE	IF	CITATIONS
19	A novel improved whale optimization algorithm to solve numerical optimization and real-world applications. <i>Artificial Intelligence Review</i> , 2022, 55, 4605-4716.	9.7	38
20	DTSMA: Dominant Swarm with Adaptive T-distribution Mutation-based Slime Mould Algorithm. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 2240-2285.	1.0	21
21	An efficient multilevel thresholding image segmentation method based on the slime mould algorithm with bee foraging mechanism: A real case with lupus nephritis images. <i>Computers in Biology and Medicine</i> , 2022, 142, 105179.	3.9	37
22	Multi-Threshold Image Segmentation of Maize Diseases Based on Elite Comprehensive Particle Swarm Optimization and Otsu. <i>Frontiers in Plant Science</i> , 2021, 12, 789911.	1.7	18
23	Enhanced Slime Mould Algorithm for Multilevel Thresholding Image Segmentation Using Entropy Measures. <i>Entropy</i> , 2021, 23, 1700.	1.1	31
24	Nature-inspired optimization algorithms and their significance in multi-thresholding image segmentation: an inclusive review. <i>Evolving Systems</i> , 2022, 13, 889-945.	2.4	23
25	Digital image thresholding by using a lateral inhibition 2D histogram and a Mutated Electromagnetic Field Optimization. <i>Multimedia Tools and Applications</i> , 2022, 81, 10023-10049.	2.6	6
26	Automated detection of celiac disease using Machine Learning Algorithms. <i>Scientific Reports</i> , 2022, 12, 4071.	1.6	11
27	FP-SMA: an adaptive, fluctuant population strategy for slime mould algorithm. <i>Neural Computing and Applications</i> , 2022, 34, 11163-11175.	3.2	7
28	Gaussian kernel probability-driven slime mould algorithm with new movement mechanism for multi-level image segmentation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 192, 110884.	2.5	30
29	An improved whale optimization algorithm based on multilevel threshold image segmentation using the Otsu method. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 113, 104960.	4.3	41
30	An Improved Slime Mould Algorithm with Quasi Reflection-based Learning for Global Optimization Problems. , 2021, , .		1
31	An equilibrium optimizer slime mould algorithm for inverse kinematics of the 7-DOF robotic manipulator. <i>Scientific Reports</i> , 2022, 12, .	1.6	12
32	Threshold Selection on Circular Histogram Using Renyi Entropy. , 2022, , .		0
33	Multi-Strategy Improved Slime Mould Algorithm and its Application in Optimal Operation of Cascade Reservoirs. <i>Water Resources Management</i> , 2022, 36, 3029-3048.	1.9	5
34	Directional mutation and crossover boosted ant colony optimization with application to COVID-19 X-ray image segmentation. <i>Computers in Biology and Medicine</i> , 2022, 148, 105810.	3.9	130
35	Enhanced Gaussian bare-bones grasshopper optimization: Mitigating the performance concerns for feature selection. <i>Expert Systems With Applications</i> , 2023, 212, 118642.	4.4	12
36	Multi-level thresholding segmentation for pathological images: Optimal performance design of a new modified differential evolution. <i>Computers in Biology and Medicine</i> , 2022, 148, 105910.	3.9	26

#	ARTICLE	IF	CITATIONS
37	Improved Slime Mold Algorithm with Dynamic Quantum Rotation Gate and Opposition-Based Learning for Global Optimization and Engineering Design Problems. <i>Algorithms</i> , 2022, 15, 317.	1.2	5
38	Directional crossover slime mould algorithm with adaptive Lévy diversity for the optimal design of real-world problems. <i>Journal of Computational Design and Engineering</i> , 0, , .	1.5	4
39	An efficient multi-threshold image segmentation for skin cancer using boosting whale optimizer. <i>Computers in Biology and Medicine</i> , 2022, 151, 106227.	3.9	13
40	Equilibrium Optimizer and Slime Mould Algorithm with Variable Neighborhood Search for Job Shop Scheduling Problem. <i>Mathematics</i> , 2022, 10, 4063.	1.1	5
41	Performance optimization of water cycle algorithm for multilevel lupus nephritis image segmentation. <i>Biomedical Signal Processing and Control</i> , 2023, 80, 104139.	3.5	5
42	Boosted crow search algorithm for handling multi-threshold image problems with application to X-ray images of COVID-19. <i>Expert Systems With Applications</i> , 2023, 213, 119095.	4.4	12
43	A hybrid slime mould algorithm for global optimization. <i>Multimedia Tools and Applications</i> , 2023, 82, 22441-22467.	2.6	10
44	Graph-based medicine embedding learning via multiple attentions. <i>Computers and Electrical Engineering</i> , 2023, 105, 108494.	3.0	1
45	Slime mould algorithm: a comprehensive review of recent variants and applications. <i>International Journal of Systems Science</i> , 2023, 54, 204-235.	3.7	48
46	Slime Mould Algorithm: A Comprehensive Survey of Its Variants and Applications. <i>Archives of Computational Methods in Engineering</i> , 2023, 30, 2683-2723.	6.0	49
47	Eres-UNet++: Liver CT image segmentation based on high-efficiency channel attention and Res-UNet++. <i>Computers in Biology and Medicine</i> , 2023, 158, 106501.	3.9	24
48	Multi-verse Optimizer with Rosenbrock and Diffusion Mechanisms for Multilevel Threshold Image Segmentation from COVID-19 Chest X-Ray Images. <i>Journal of Bionic Engineering</i> , 2023, 20, 1198-1262.	2.7	16
49	Image segmentation of Intracerebral hemorrhage patients based on enhanced hunger Games search Optimizer. <i>Biomedical Signal Processing and Control</i> , 2023, 82, 104511.	3.5	4
50	Lévy flight and Chaos theory based metaheuristics for grayscale image thresholding. , 2023, , 203-235.		0
51	Multi-head deep learning framework for pulmonary disease detection and severity scoring with modified progressive learning. <i>Biomedical Signal Processing and Control</i> , 2023, 85, 104855.	3.5	2
52	Multi-threshold image segmentation based on an improved differential evolution: Case study of thyroid papillary carcinoma. <i>Biomedical Signal Processing and Control</i> , 2023, 85, 104893.	3.5	4
53	A grade-based search adaptive random slime mould optimizer for lupus nephritis image segmentation. <i>Computers in Biology and Medicine</i> , 2023, 160, 106950.	3.9	2
54	Improved Reptile Search Algorithm by Salp Swarm Algorithm for Medical Image Segmentation. <i>Journal of Bionic Engineering</i> , 2023, 20, 1766-1790.	2.7	18

#	ARTICLE	IF	CITATIONS
55	Improved slime mould algorithm based on Gompertz dynamic probability and Cauchy mutation with application in FJSP. Journal of Intelligent and Fuzzy Systems, 2023, 44, 10397-10415.	0.8	1
56	Fine-Tuning of Pre-Trained Deep Face Sketch Models Using Smart Switching Slime Mold Algorithm. Applied Sciences (Switzerland), 2023, 13, 5102.	1.3	0
57	Image Thresholding Segmentation Algorithm Based on Two-parameter Cumulative Residual Masi Entropy. , 2022, , .		0
64	Literature Review On Metaheuristics Techniques In The Health Care Industry. , 2023, , .		0
76	Improved Northern Goshawk Optimization Algorithm for Medical Image Segmentation. Lecture Notes in Electrical Engineering, 2024, , 344-354.	0.3	0