Amir Nakib

List of Publications by Year
in descending order

73 papers	669 citations	623734 14 h-index	642732 23 g-index
80 all docs	80 docs citations	80 times ranked	667 citing authors

#	Article	IF	Citations
1	Image histogram thresholding based on multiobjective optimization. Signal Processing, 2007, 87, 2516-2534.	3.7	53
2	An improved biogeography based optimization approach for segmentation of human head CT-scan images employing fuzzy entropy. Engineering Applications of Artificial Intelligence, 2012, 25, 1698-1709.	8.1	49
3	A trajectory planning of redundant manipulators based on bilevel optimization. Applied Mathematics and Computation, 2015, 250, 934-947.	2.2	49
4	Image thresholding based on Pareto multiobjective optimization. Engineering Applications of Artificial Intelligence, 2010, 23, 313-320.	8.1	47
5	A thresholding method based on two-dimensional fractional differentiation. Image and Vision Computing, 2009, 27, 1343-1357.	4.5	40
6	An in vitro study of silk stent morphology. Neuroradiology, 2011, 53, 659-667.	2.2	39
7	Non-supervised image segmentation based on multiobjective optimization. Pattern Recognition Letters, 2008, 29, 161-172.	4.2	33
8	Fractional differentiation and non-Pareto multiobjective optimization for image thresholding. Engineering Applications of Artificial Intelligence, 2009, 22, 236-249.	8.1	31
9	Accurate Classification for Automatic Vehicle-Type Recognition Based on Ensemble Classifiers. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1288-1297.	8.0	26
10	Indoor localization method based on RTT and AOA using coordinates clustering. Computer Networks, 2011, 55, 1794-1803.	5.1	25
11	A New Multiagent Algorithm for Dynamic Continuous Optimization. International Journal of Applied Metaheuristic Computing, 2010, 1, 16-38.	0.7	24
12	Fast brain MRI segmentation based on two-dimensional survival exponential entropy and particle swarm optimization. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5563-6.	0.5	18
13	Deterministic metaheuristic based on fractal decomposition for large-scale optimization. Applied Soft Computing Journal, 2017, 61, 468-485.	7.2	17
14	Image thresholding framework based on two-dimensional digital fractional integration and Legendre momentsâ€™. IET Image Processing, 2012, 6, 717-727.	2.5	15
15	A multiple local search algorithm for continuous dynamic optimization. Journal of Heuristics, 2013, 19, 35-76.	1.4	12
16	New Vehicle Classification Method Based on Hybrid Classifiers. , 2018, , .		11
17	Mobile Tracking Based on Fractional Integration. IEEE Transactions on Mobile Computing, 2014, 13, 2306-2319.	5.8	10
18	Hybrid Differential Evolution Using Low-Discrepancy Sequences for Image Segmentation. , 2012, , .		9

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19	A learning-based resource allocation approach for P2P streaming systems. IEEE Network, 2015, 29, 4-11.	6.9	8
20	Optimal Ensemble Classifiers Based Classification for Automatic Vehicle Type Recognition. , 2018, , .		8
21	Performance Analysis of MADO Dynamic Optimization Algorithm. , 2009, , .		7
22	Multi-Layer Perceptron Neural Network and nearest neighbor approaches for indoor localization. , 2014, , .		7
23	Third brain ventricle deformation analysis using fractional differentiation and evolution strategy in brain cine-MRI. , 2010, , .		6
24	Priori Knowledge Guided Approach for Optimal Peer Selection in P2P VoD Systems. IEEE Transactions on Network and Service Management, 2014, 11, 350-362.	4.9	6
25	Hybrid framework based on evidence theory for blood cell image segmentation. , 2014, , .		6
26	Medical image denoising via optimal implementation of non-local means on hybrid parallel architecture. Computer Methods and Programs in Biomedicine, 2016, 129, 29-39.	4.7	6
27	Design of Metaheuristic Based on Machine Learning: A Unified Approach. , 2017, , .		6
28	Multicriteria image thresholding based on multiobjective particle swarm optimization. Applied Mathematical Sciences, 0, 8, 131-137.	0.1	6
29	Path planning for redundant manipulators using metaheuristic for bilevel optimization and maximum of manipulability. , 2013, , .		5
30	On resource allocation strategies in managed peerassisted VOD streaming systems. , 2012, , .		4
31	A genetic algorithm designed for robot trajectory planning. , 2014, , .		4
32	Real-time assessment of bone structure positions via ultrasound imaging. Journal of Real-Time Image Processing, 2017, 13, 135-145.	3.5	4
33	Evolutionary algorithm with ensemble strategies based on maximum a posteriori for continuous optimization. Information Sciences, 2018, 460-461, 1-22.	6.9	4
34	Parallel fractal decomposition based algorithm for big continuous optimization problems. Journal of Parallel and Distributed Computing, 2019, 133, 297-306.	4.1	4
35	Application Guided Image Quality Estimation Based on Classification. , 2019, , .		4
36	Smooth Trajectory Planning for Robot Using Particle Swarm Optimization. Lecture Notes in Computer Science, 2014, , 50-59.	1.3	4

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37	Adaptive ECG Signal Filtering Using Bayesian Based Evolutionary Algorithm. Studies in Computational Intelligence, 2017, , 187-211.	0.9	4
38	A Dynamic Multi-Agent Algorithm applied to challenging benchmark problems. , 2012, , .		3
39	Optimal Peer Selection Strategy in P2P-VoD Systems Using Dynamic Evolution Strategy. , 2013, , .		3
40	Hybrid Metaheuristic for Annual Hydropower Generation Optimization. , 2014, , .		3
41	Novel Context-aware Classification for Highly Accurate Automatic Toll Collection. , 2019, , .		3
42	Robust license plate signatures matching based on multi-task learning approach. Neurocomputing, 2021, 440, 58-71.	5.9	3
43	Magnetic Resonance Image Segmentation Based on Two-Dimensional Exponential Entropy and a Parameter Free PSO. , 2007, , 50-61.		3
44	Image Thresholding Using TRIBES, a Parameter-Free Particle Swarm Optimization Algorithm. Lecture Notes in Computer Science, 2008, , 81-94.	1.3	3
45	Optimal CNNâ€"Hopfield Network for Pattern Recognition Based on a Genetic Algorithm. Algorithms, 2022, 15, 11.	2.1	3
46	Brain cine MRI segmentation based on a multiagent algorithm for dynamic continuous optimization. , 2011, , .		2
47	A framework for analysis of brain cine MR sequences. Computerized Medical Imaging and Graphics, 2012, 36, 152-168.	5.8	2
48	Novel Levy Based Particle Swarm Optimization Algorithm for Electrical Power Grid. , 2013, , .		2
49	Bayesian Based Metaheuristic for Large Scale Continuous Optimization. , 2015, , .		2
50	Dynamic Strategy Selection based on Evidence Theory. Application on a P2P-VoD system. IFAC-PapersOnLine, 2016, 49, 775-780.	0.9	2
51	Fractal Decomposition Approach for Continuous Multi-Objective Optimization Problems. IEEE Access, 2020, 8, 167604-167619.	4.2	2
52	Parametric Modeling of Some Biosignals Using Optimization Metaheuristics. , 2009, , 291-305.		2
53	Performance Analysis of Dynamic Optimization Algorithms. Studies in Computational Intelligence, 2013, , 1-16.	0.9	2
54	Design of Static Metaheuristics for Medical Image Analysis. Studies in Computational Intelligence, 2017, , 1-22.	0.9	2

#	ARTICLE	IF	CITATIONS
55	Mobile indoor location based on fractional differentiation. , 2012, , .		1
56	A new automatic landmarks extraction framework on ultrasound images of femoral condyles. , 2012, , .		1
57	Evidence theory for image segmentation using information from stochastic Watershed and Hessian filtering. , 2015, , .		1
58	Dynamic Learning Optimization Algorithm for P2P-VoD Systems. , 2017, , .		1
59	CNN Classifier's Robustness Enhancement when Preserving Privacy. , 2021, , .		1
60	Computer-Assisted Intramedullary Nailing Using Real-Time Bone Detection in 2D Ultrasound Images. Lecture Notes in Computer Science, 2011, , 18-25.	1.3	1
61	Medical Image Registration Based on Metaheuristics: A Comparative Study. Studies in Computational Intelligence, 2017, , 171-185.	0.9	1
62	PixMap: automatic license plate recognition with convolutional neural network based on saliency maps. , 2019, , .		1
63	Brain Cine-MRI Sequences Registration Using B-Spline Free-Form Deformations and MLSDO Dynamic Optimization Algorithm. Lecture Notes in Computer Science, 2012, , 443-448.	1.3	1
64	Dynamic Metaheuristics for Brain Cine-MRI. Studies in Computational Intelligence, 2017, , 121-135.	0.9	1
65	Optimal fractional filter for image segmentation. Proceedings of SPIE, 2012, , .	0.8	0
66	Thin structure filtering framework with non-local means, Gaussian derivatives and spatially-variant mathematical morphology. , 2013, , .		0
67	Adaptive Peer Selection Strategy in P2P-VoD Systems Based on Dynamic Metaheuristic. , 2013, , .		0
68	Transaction Level Simulation of Network-Based Computing Systems. , 2014, , .		0
69	Hybrid Heuristics for Mapping Task Problem on Large Scale Heterogeneous Platforms. , 2016, , .		0
70	Evidential Deformable Model for Contour Tracking. Application on Brain Cine MR Sequences. Studies in Computational Intelligence, 2017, , 75-107.	0.9	0
71	Lexicographic Approach Based on Evidence Theory for Blood Cell Image Segmentation. Studies in Computational Intelligence, 2017, , 137-154.	0.9	0
72	Microscopic Image Segmentation Based on Based Branch and Bound and Game Theory. Studies in Computational Intelligence, 2017, , 109-120.	0.9	0

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73	Semantic segmentation approach for tunnel roads' analysis. , 2019, , .		0