

Rohit Salgotra

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

852
citations

16
h-index

28
g-index

48
ext. papers

1,207
ext. citations

4.4
avg, IF

5.62
L-index

#	Paper	IF	Citations
47	Time Series Analysis and Forecast of the COVID-19 Pandemic in India using Genetic Programming. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 109945	9.3	93
46	Application of mutation operators to flower pollination algorithm. <i>Expert Systems With Applications</i> , 2017 , 79, 112-129	7.8	75
45	New cuckoo search algorithms with enhanced exploration and exploitation properties. <i>Expert Systems With Applications</i> , 2018 , 95, 384-420	7.8	72
44	A Novel Binary Spider Monkey Optimization Algorithm for Thinning of Concentric Circular Antenna Arrays. <i>IETE Journal of Research</i> , 2016 , 62, 736-744	0.9	67
43	The naked mole-rat algorithm. <i>Neural Computing and Applications</i> , 2019 , 31, 8837-8857	4.8	65
42	Synthesis of linear antenna array using flower pollination algorithm. <i>Neural Computing and Applications</i> , 2018 , 29, 435-445	4.8	63
41	A boolean spider monkey optimization based energy efficient clustering approach for WSNs. <i>Wireless Networks</i> , 2018 , 24, 2093-2109	2.5	40
40	A novel bat flower pollination algorithm for synthesis of linear antenna arrays. <i>Neural Computing and Applications</i> , 2018 , 30, 2269-2282	4.8	38
39	Evolutionary modelling of the COVID-19 pandemic in fifteen most affected countries. <i>Chaos, Solitons and Fractals</i> , 2020 , 140, 110118	9.3	33
38	Pattern Synthesis of Linear Antenna Arrays Using Enhanced Flower Pollination Algorithm. <i>International Journal of Antennas and Propagation</i> , 2017 , 2017, 1-11	1.2	32
37	On Some Improved Versions of Whale Optimization Algorithm. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 9653-9691	2.5	26
36	Optimal Synthesis of Linear Antenna Arrays Using Modified Spider Monkey Optimization. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 2957-2973		23
35	An enhanced moth flame optimization. <i>Neural Computing and Applications</i> , 2020 , 32, 2315-2349	4.8	23
34	Self-adaptive salp swarm algorithm for engineering optimization problems. <i>Applied Mathematical Modelling</i> , 2021 , 89, 188-207	4.5	21
33	Synthesis of Linear Antenna Arrays Using Enhanced Firefly Algorithm. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 1961-1976	2.5	17
32	Self adaptive cuckoo search: Analysis and experimentation. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100751	9.8	16
31	An energy efficient stable clustering approach using fuzzy extended grey wolf optimization algorithm for WSNs. <i>Wireless Networks</i> , 2019 , 25, 5151-5172	2.5	14

30	An energy-efficient stable clustering approach using fuzzy-enhanced flower pollination algorithm for WSNs. <i>Neural Computing and Applications</i> , 2020 , 32, 7399-7419	4.8	13
29	Improved Cuckoo Search with Better Search Capabilities for Solving CEC2017 Benchmark Problems 2018 ,		13
28	An Extended Version of Flower Pollination Algorithm. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 7573-7603	2.5	11
27	Improved Flower Pollination Algorithm for Linear Antenna Design Problems. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 79-89	0.4	11
26	On the improvement in grey wolf optimization. <i>Neural Computing and Applications</i> , 2020 , 32, 3709-3748	4.8	11
25	Tree-Based Threshold-Sensitive Energy-Efficient Routing Approach For Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2019 , 108, 473-492	1.9	8
24	COVID-19 Time Series Forecast Using Transmission Rate and Meteorological Parameters as Features. <i>IEEE Computational Intelligence Magazine</i> , 2020 , 15, 34-50	5.6	8
23	Naked Mole-Rat Algorithm with Improved Exploration and Exploitation Capabilities to Determine 2D and 3D Coordinates of Sensor Nodes in WSNs. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 1155-1178	2.5	8
22	Application of mutation operators to salp swarm algorithm. <i>Expert Systems With Applications</i> , 2021 , 169, 114368	7.8	7
21	Improving Cuckoo Search: Incorporating Changes for CEC 2017 and CEC 2020 Benchmark Problems 2020 ,		6
20	A novel modified bat algorithm for global optimization 2017 ,		5
19	Trust-aware energy-efficient stable clustering approach using fuzzy type-2 Cuckoo search optimization algorithm for wireless sensor networks. <i>Wireless Networks</i> , 2021 , 27, 151-174	2.5	5
18	An improved firefly algorithm for numerical optimization 2017 ,		4
17	An enhanced grey wolf optimizer for numerical optimization 2017 ,		4
16	New Improved SALSHADE-cnEpSin Algorithm with Adaptive Parameters 2019 ,		3
15	A hybridized multi-algorithm strategy for engineering optimization problems. <i>Knowledge-Based Systems</i> , 2021 , 217, 106790	7.3	3
14	A self-adaptive hybridized differential evolution naked mole-rat algorithm for engineering optimization problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 383, 113916	5.7	3
13	Improving the Adaptive Properties of LSHADE Algorithm for Global Optimization 2019 ,		2

12	Linear antenna array synthesis using bat flower pollinator 2017 ,		2
11	Comparison of range-based versus range-free WSNs localization using adaptive SSA algorithm. <i>Wireless Networks</i> , 2022 , 28, 1625-1647	2.5	2
10	An Efficient Adaptive Salp Swarm Algorithm Using Type II Fuzzy Entropy for Multilevel Thresholding Image Segmentation.. <i>Computational and Mathematical Methods in Medicine</i> , 2022 , 2022, 2794326	2.8	1
9	Multi-population and dynamic-iterative cuckoo search algorithm for linear antenna array synthesis. <i>Applied Soft Computing Journal</i> , 2021 , 113, 108004	7.5	1
8	Performance evaluation of Non-Uniform circular antenna array using integrated harmony search with Differential Evolution based Naked Mole Rat algorithm. <i>Expert Systems With Applications</i> , 2022 , 189, 116146	7.8	1
7	Optimal Control Policies to Address the Pandemic Health-Economy Dilemma 2021 ,		1
6	Time series analysis of the COVID-19 pandemic in Australia using genetic programming 2021 , 399-411		1
5	Artificial Intelligence for Fighting the COVID-19 Pandemic 2022 , 165-177		0
4	Effect of parametric enhancements on naked mole-rat algorithm for global optimization. <i>Engineering With Computers</i> ,1	4.5	0
3	A New Set of Mutation Operators for Dragonfly Algorithm. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 8761-8802	2.5	0
2	Synthesis of Non-Uniform Circular Antenna Array for Low Side Lobe Level and High Directivity Using Self-Adaptive Cuckoo Search Algorithm. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	0
1	Predictive modeling of surface and dimensional features of vapour-smoothened FDM parts using self-adaptive cuckoo search algorithm. <i>Progress in Additive Manufacturing</i> ,1	5	