

# Rohit Salgotra

## List of Publications by Year in descending order

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47  
papers

1,492  
citations

393982

19  
h-index

344852

36  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time Series Analysis and Forecast of the COVID-19 Pandemic in India using Genetic Programming. Chaos, Solitons and Fractals, 2020, 138, 109945.	2.5	144
2	The naked mole-rat algorithm. Neural Computing and Applications, 2019, 31, 8837-8857.	3.2	113
3	New cuckoo search algorithms with enhanced exploration and exploitation properties. Expert Systems With Applications, 2018, 95, 384-420.	4.4	110
4	Application of mutation operators to flower pollination algorithm. Expert Systems With Applications, 2017, 79, 112-129.	4.4	100
5	Synthesis of linear antenna array using flower pollination algorithm. Neural Computing and Applications, 2018, 29, 435-445.	3.2	89
6	A Novel Binary Spider Monkey Optimization Algorithm for Thinning of Concentric Circular Antenna Arrays. IETE Journal of Research, 2016, 62, 736-744.	1.8	86
7	A boolean spider monkey optimization based energy efficient clustering approach for WSNs. Wireless Networks, 2018, 24, 2093-2109.	2.0	81
8	Self-adaptive salp swarm algorithm for engineering optimization problems. Applied Mathematical Modelling, 2021, 89, 188-207.	2.2	58
9	On Some Improved Versions of Whale Optimization Algorithm. Arabian Journal for Science and Engineering, 2019, 44, 9653-9691.	1.7	49
10	An enhanced moth flame optimization. Neural Computing and Applications, 2020, 32, 2315-2349.	3.2	47
11	A novel bat flower pollination algorithm for synthesis of linear antenna arrays. Neural Computing and Applications, 2018, 30, 2269-2282.	3.2	46
12	Evolutionary modelling of the COVID-19 pandemic in fifteen most affected countries. Chaos, Solitons and Fractals, 2020, 140, 110118.	2.5	45
13	Self adaptive cuckoo search: Analysis and experimentation. Swarm and Evolutionary Computation, 2021, 60, 100751.	4.5	41
14	Pattern Synthesis of Linear Antenna Arrays Using Enhanced Flower Pollination Algorithm. International Journal of Antennas and Propagation, 2017, 2017, 1-11.	0.7	38
15	An energy efficient stable clustering approach using fuzzy extended grey wolf optimization algorithm for WSNs. Wireless Networks, 2019, 25, 5151-5172.	2.0	34
16	An energy-efficient stable clustering approach using fuzzy-enhanced flower pollination algorithm for WSNs. Neural Computing and Applications, 2020, 32, 7399-7419.	3.2	30
17	Trust-aware energy-efficient stable clustering approach using fuzzy type-2 Cuckoo search optimization algorithm for wireless sensor networks. Wireless Networks, 2021, 27, 151-174.	2.0	29
18	Optimal Synthesis of Linear Antenna Arrays Using Modified Spider Monkey Optimization. Arabian Journal for Science and Engineering, 2016, 41, 2957-2973.	1.1	28

#	ARTICLE	IF	CITATIONS
19	A hybridized multi-algorithm strategy for engineering optimization problems. Knowledge-Based Systems, 2021, 217, 106790.	4.0	23
20	Improved Cuckoo Search with Better Search Capabilities for Solving CEC2017 Benchmark Problems. , 2018, , .		20
21	Synthesis of Linear Antenna Arrays Using Enhanced Firefly Algorithm. Arabian Journal for Science and Engineering, 2019, 44, 1961-1976.	1.7	20
22	COVID-19 Time Series Forecast Using Transmission Rate and Meteorological Parameters as Features. IEEE Computational Intelligence Magazine, 2020, 15, 34-50.	3.4	20
23	Application of mutation operators to salp swarm algorithm. Expert Systems With Applications, 2021, 169, 114368.	4.4	20
24	A self-adaptive hybridized differential evolution naked mole-rat algorithm for engineering optimization problems. Computer Methods in Applied Mechanics and Engineering, 2021, 383, 113916.	3.4	20
25	On the improvement in grey wolf optimization. Neural Computing and Applications, 2020, 32, 3709-3748.	3.2	19
26	Tree-Based Threshold-Sensitive Energy-Efficient Routing Approach For Wireless Sensor Networks. Wireless Personal Communications, 2019, 108, 473-492.	1.8	16
27	Improved Flower Pollination Algorithm for Linear Antenna Design Problems. Advances in Intelligent Systems and Computing, 2020, , 79-89.	0.5	15
28	A novel modified bat algorithm for global optimization. , 2017, , .		13
29	An Extended Version of Flower Pollination Algorithm. Arabian Journal for Science and Engineering, 2018, 43, 7573-7603.	1.7	13
30	Naked Mole-Rat Algorithm with Improved Exploration and Exploitation Capabilities to Determine 2D and 3D Coordinates of Sensor Nodes in WSNs. Arabian Journal for Science and Engineering, 2021, 46, 1155-1178.	1.7	13
31	Improving Cuckoo Search: Incorporating Changes for CEC 2017 and CEC 2020 Benchmark Problems. , 2020, , .		12
32	Comparison of range-based versus range-free WSNs localization using adaptive SSA algorithm. Wireless Networks, 2022, 28, 1625-1647.	2.0	12
33	Performance evaluation of Non-Uniform circular antenna array using integrated harmony search with Differential Evolution based Naked Mole Rat algorithm. Expert Systems With Applications, 2022, 189, 116146.	4.4	11
34	An Efficient Adaptive Salp Swarm Algorithm Using Type II Fuzzy Entropy for Multilevel Thresholding Image Segmentation. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-14.	0.7	11
35	New Improved SALSHADE-cnEpSin Algorithm with Adaptive Parameters. , 2019, , .		10
36	Multi-population and dynamic-iterative cuckoo search algorithm for linear antenna array synthesis. Applied Soft Computing Journal, 2021, 113, 108004.	4.1	9

#	ARTICLE	IF	CITATIONS
37	An enhanced grey wolf optimizer for numerical optimization. , 2017, , .		8
38	Synthesis of Non-Uniform Circular Antenna Array for Low Side Lobe Level and High Directivity Using Self-Adaptive Cuckoo Search Algorithm. Arabian Journal for Science and Engineering, 2022, 47, 3105-3118.	1.7	6
39	Improving the Adaptive Properties of LSHADE Algorithm for Global Optimization. , 2019, , .		5
40	Effect of parametric enhancements on naked mole-rat algorithm for global optimization. Engineering With Computers, 2022, 38, 3351-3379.	3.5	5
41	Time series analysis of the COVID-19 pandemic in Australia using genetic programming. , 2021, , 399-411.		5
42	An improved firefly algorithm for numerical optimization. , 2017, , .		4
43	Linear antenna array synthesis using bat flower pollinator. , 2017, , .		3
44	Optimal Control Policies to Address the Pandemic Health-Economy Dilemma. , 2021, , .		3
45	Predictive modeling of surface and dimensional features of vapour-smoothened FDM parts using self-adaptive cuckoo search algorithm. Progress in Additive Manufacturing, 2022, 7, 1023-1036.	2.5	3
46	A New Set of Mutation Operators for Dragonfly Algorithm. Arabian Journal for Science and Engineering, 2021, 46, 8761-8802.	1.7	2
47	Hybridizing Cuckoo Search with Naked Mole-rat Algorithm: Adapting for CEC 2017 and CEC 2021 Test Suites. , 2021, , .		1