Nasimul Noman

List of Publications by Year
in descending order

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53	1,847	687220	501076
papers	citations	13 h-index	28 g-index

61	61	61	1577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accelerating Differential Evolution Using an Adaptive Local Search. IEEE Transactions on Evolutionary Computation, 2008, 12, 107-125.	7.5	556
2	Differential evolution for economic load dispatch problems. Electric Power Systems Research, 2008, 78, 1322-1331.	2.1	402
3	Inferring Gene Regulatory Networks using Differential Evolution with Local Search Heuristics. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2007, 4, 634-647.	1.9	123
4	Enhancing differential evolution performance with local search for high dimensional function optimization. , 2005, , .		92
5	Machine learning approach to predict protein phosphorylation sites by incorporating evolutionary information. BMC Bioinformatics, 2010, 11, 273.	1.2	72
6	Reverse engineering gene regulatory network from microarray data using linear time-variant model. BMC Bioinformatics, 2010, 11, S56.	1.2	64
7	A multi-population, multi-objective memetic algorithm for energy-efficient job-shop scheduling with deteriorating machines. Expert Systems With Applications, 2020, 157, 113348.	4.4	64
8	Heterogeneous Ensemble Combination Search Using Genetic Algorithm for Class Imbalanced Data Classification. PLoS ONE, 2016, 11, e0146116.	1.1	55
9	Reverse Engineering of Gene Regulatory Networks Using Dissipative Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2013, 17, 577-587.	7.5	52
10	Inference of gene regulatory networks using s-system and differential evolution. , 2005, , .		44
11	An adaptive differential evolution algorithm. , 2011, , .		29
12	Reconstruction of Gene Regulatory Networks from Gene Expression Data Using Decoupled Recurrent Neural Network Model. Proceedings in Information and Communications Technology, 2013, , 93-103.	0.2	28
13	Evolving Robust Gene Regulatory Networks. PLoS ONE, 2015, 10, e0116258.	1.1	28
14	An Effective Method for Evolving Reaction Networks in Synthetic Biochemical Systems. IEEE Transactions on Evolutionary Computation, 2015, 19, 374-386.	7.5	27
15	Reverse engineering genetic networks using evolutionary computation. Genome Informatics, 2005, 16, 205-14.	0.4	22
16	Inference of genetic networks using S-system. , 2006, , .		19
17	Prediction of plant promoters based on hexamers and random triplet pair analysis. Algorithms for Molecular Biology, 2011, 6, 19.	0.3	15
18	RankDE. , 2011, , .		14

#	Article	IF	Citations
19	A new generation alternation model for differential evolution. , 2006, , .		11
20	Pulse Detecting Genetic Circuit â€“ A New Design Approach. PLoS ONE, 2016, 11, e0167162.	1.1	10
21	? constrained differential evolution for economic dispatch with valve-point effect. International Journal of Bio-Inspired Computation, 2011, 3, 346.	0.6	8
22	A hybrid particle swarm optimisation approach for energy-efficient single machine scheduling with cumulative deterioration and multiple maintenances. , 2017, , .		8
23	Fast Evolution of CNN Architecture for Image Classification. Natural Computing Series, 2020, , 209-229.	2.2	8
24	A prior knowledge based approach to infer gene regulatory networks. , 2010, , .		7
25	An adaptive memetic algorithm for feature selection using proximity graphs. Computational Intelligence, 2019, 35, 156-183.	2.1	7
26	Improved Soft Actor-Critic: Mixing Prioritized Off-Policy Samples With On-Policy Experiences. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3121-3129.	7.2	7
27	Evolving Genetic Networks for Synthetic Biology. New Generation Computing, 2013, 31, 71-88.	2.5	6
28	Cellular Differential Evolution Algorithm. Lecture Notes in Computer Science, 2010, , 293-302.	1.0	6
29	Emergence of Cooperation in a Bio-inspired Multi-agent System. Lecture Notes in Computer Science, 2010, , 364-374.	1.0	5
30	Differential evolution with self adaptive local search. , 2011, , .		5
31	Study on the Use of Evolutionary Techniques for Inference in Gene Regulatory Networks. Proceedings in Information and Communications Technology, 2013, , 82-92.	0.2	5
32	Improving the reliability of implicit averaging methods using new conditional operators for robust optimization. Swarm and Evolutionary Computation, 2019, 51, 100579.	4.5	4
33	Solving dynamic economic dispatch problems using cellular differential evolution. , 2011, , .		3
34	Reconstruction of Gene Regulatory Networks using Differential Evolution. , 2010, , .		2
35	The search for robust topologies of oscillatory gene regulatory networks by evolutionary computation. , 2012, , .		2
36	Extending Population Based Incremental Learning using Dirichlet Processes. , 2013, , .		2

#	Article	IF	Citations
37	Temperature compensation via cooperative stability in protein degradation. Physica A: Statistical Mechanics and Its Applications, 2015, 431, 109-123.	1.2	2
38	Robust Multi-Objective optimization using Conditional Pareto Optimal Dominance. , 2020, , .		2
39	Evolutionary Hyperparameter Optimisation for Sentence Classification. , 2021, , .		2
40	On Model Selection Criteria in Reverse Engineering Gene Networks Using RNN Model. Lecture Notes in Computer Science, 2012, , 155-164.	1.0	2
41	Optimal Actor-Critic Policy With Optimized Training Datasets. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1324-1334.	3.4	2
42	Polynomial Selection: A new way to tune selective pressure. , 2010, , .		1
43	Polynomial selection scheme with dynamic parameter estimation in cellular genetic algorithm. , 2011, , .		1
44	An Improved Artificial Bee Colony Algorithm with Non-separable Operator. Lecture Notes in Computer Science, 2012, , 203-210.	1.0	1
45	Messy Genetic Algorithm for evolving mathematical function evaluating variable length gene regulatory networks. , 2013, , .		1
46	A Computational Approach for Designing Combination Therapy in Combating Glioblastoma. , 2019, , .		1
47	Designing optimal combination therapy for personalised glioma treatment. Memetic Computing, 2020, 12, 317-329.	2.7	1
48	INFERRING REGULATIONS IN A GENOMIC NETWORK FROM GENE EXPRESSION PROFILES. Science, Engineering, and Biology Informatics, 2007, , 205-229.	0.1	0
49	On the Complexity and Completeness of Robust Biclustering Algorithm (ROBA). International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
50	Tuning selection pressure in differential evolution using local selection. , 2010, , .		0
51	OSCILLATORY SYNTHETIC BIOLOGICAL SYSTEM CONSTRUCTION USING INTERACTIVE EVOLUTIONARY COMPUTATIONS. Journal of Computer Science, 2014, 10, 2640-2652.	0.5	0
52	An evolutionary metaheuristic algorithm to optimise solutions to NES games. , 2017, , .		0
53	Inferring Genetic Networks with a Recurrent Neural Network Model Using Differential Evolution. , 2014, , 355-373.		0