

Rituparna Datta

List of Publications by Year in descending order

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26
papers

439
citations

1306789

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all docs

26
docs citations

26
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Surrogate-assisted multi-objective optimization of the dynamic response of a freight wagon fitted with three-piece bogies. International Journal of Rail Transportation, 2021, 9, 290-309.	1.8	9
2	Displacement transmissibility based system identification for polydimethylsiloxane integrating a combination of mechanical modelling with evolutionary multi-objective optimization. Engineering Optimization, 2020, 52, 1037-1051.	1.5	0
3	Splitting the fitness and penalty factor for temporal diversity increase in practical problem solving. Expert Systems With Applications, 2020, 145, 113126.	4.4	2
4	Failing And Not Falling (F&!F): Data-Enabled Classification Learning of Aircraft Accidents and Incidents. Data-Enabled Discovery and Applications, 2020, 4, 1.	1.2	1
5	Failing & !Falling (F&!F): Learning to Classify Accidents and Incidents in Aircraft Data. , 2019, , .		1
6	Evolutionary Computation for Optimal LQR Weighting Matrices for Lower Limb Exoskeleton Feedback Control. , 2019, , .		4
7	CHIP: Constraint Handling with Individual Penalty approach using a hybrid evolutionary algorithm. Neural Computing and Applications, 2019, 31, 5255-5271.	3.2	7
8	Topology optimization of compliant structures and mechanisms using constructive solid geometry for 2-d and 3-d applications. Soft Computing, 2017, 21, 1157-1179.	2.1	17
9	A bi-objective hybrid constrained optimization (HyCon) method using a multi-objective and penalty function approach. , 2017, , .		11
10	Further note on the probabilistic constraint handling. , 2016, , .		1
11	A surrogate-assisted evolution strategy for constrained multi-objective optimization. Expert Systems With Applications, 2016, 57, 270-284.	4.4	75
12	Analysis and Design Optimization of a Robotic Gripper Using Multiobjective Genetic Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 16-26.	5.9	58
13	A piezoelectric model based multi-objective optimization of robot gripper design. Structural and Multidisciplinary Optimization, 2016, 53, 453-470.	1.7	8
14	Uniform adaptive scaling of equality and inequality constraints within hybrid evolutionary-cum-classical optimization. Soft Computing, 2016, 20, 2367-2382.	2.1	7
15	Analysis of a seven link robot gripper with an integrated piezoelectric actuation system. , 2014, , .		1
16	Design and Analysis of a Vibration Isolation System Based on Four-Bar Mechanism Integrated with Shape Memory Alloy Wire. , 2014, , .		0
17	An evolutionary algorithm based pattern search approach for constrained optimization. , 2013, , .		9
18	Individual penalty based constraint handling using a hybrid bi-objective and penalty function approach. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
19	A bi-objective constrained optimization algorithm using a hybrid evolutionary and penalty function approach. <i>Engineering Optimization</i> , 2013, 45, 503-527.	1.5	48
20	Hybrid evolutionary multi-objective optimization and analysis of machining operations. <i>Engineering Optimization</i> , 2012, 44, 685-706.	1.5	47
21	Probabilistic constraint handling in the framework of joint evolutionary-classical optimization with engineering applications. , 2012, , .		8
22	An adaptive normalization based constrained handling methodology with hybrid bi-objective and penalty function approach. , 2012, , .		17
23	Hybrid gradient projection based Genetic Algorithms for constrained optimization. , 2010, , .		20
24	Optimization of turning process parameters using Multi-objective Evolutionary algorithm. , 2010, , .		13
25	A fast and accurate solution of constrained optimization problems using a hybrid bi-objective and penalty function approach. , 2010, , .		44
26	A Hybrid Evolutionary Multi-objective and SQP Based Procedure for Constrained Optimization. , 2007, , 36-45.		23