

Ankur Sinha

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.

37
papers

1,002
citations

18
h-index

31
g-index

39
ext. papers

1,209
ext. citations

5
avg, IF

4.68
L-index

#	Paper	IF	Citations
37	An Interactive Evolutionary Multiobjective Optimization Method Based on Progressively Approximated Value Functions. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 723-739	15.6	180
36	An efficient and accurate solution methodology for bilevel multi-objective programming problems using a hybrid evolutionary-local-search algorithm. <i>Evolutionary Computation</i> , 2010 , 18, 403-49	4.3	112
35	Finding optimal strategies in a multi-period multi-leader-follower Stackelberg game using an evolutionary algorithm. <i>Computers and Operations Research</i> , 2014 , 41, 374-385	4.6	87
34	Test problem construction for single-objective bilevel optimization. <i>Evolutionary Computation</i> , 2014 , 22, 439-77	4.3	62
33	Evolutionary algorithm for bilevel optimization using approximations of the lower level optimal solution mapping. <i>European Journal of Operational Research</i> , 2017 , 257, 395-411	5.6	53
32	Multi-objective Stackelberg game between a regulating authority and a mining company: A case study in environmental economics 2013 ,		48
31	Local search based evolutionary multi-objective optimization algorithm for constrained and unconstrained problems 2009 ,		39
30	An improved bilevel evolutionary algorithm based on Quadratic Approximations 2014 ,		37
29	Solving Bilevel Multicriterion Optimization Problems With Lower Level Decision Uncertainty. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 199-217	15.6	36
28	An interactive evolutionary multi-objective optimization algorithm with a limited number of decision maker calls. <i>European Journal of Operational Research</i> , 2014 , 233, 674-688	5.6	35
27	Good debt or bad debt: Detecting semantic orientations in economic texts. <i>Journal of the Association for Information Science and Technology</i> , 2014 , 65, 782-796	2.7	34
26	Using Karush-Kuhn-Tucker proximity measure for solving bilevel optimization problems. <i>Swarm and Evolutionary Computation</i> , 2019 , 44, 496-510	9.8	26
25	An Enhanced Memetic Algorithm for Single-Objective Bilevel Optimization Problems. <i>Evolutionary Computation</i> , 2017 , 25, 607-642	4.3	24
24	Progressively interactive evolutionary multi-objective optimization method using generalized polynomial value functions 2010 ,		21
23	Optimal management of naturally regenerating uneven-aged forests. <i>European Journal of Operational Research</i> , 2017 , 256, 886-900	5.6	20
22	A bilevel optimization approach to automated parameter tuning 2014 ,		19
21	Multiple allocation hub interdiction and protection problems: Model formulations and solution approaches. <i>European Journal of Operational Research</i> , 2018 , 270, 230-245	5.6	18

20	Bilevel optimization based on iterative approximation of multiple mappings. <i>Journal of Heuristics</i> , 2020 , 26, 151-185	1.9	18
19	Evolutionary bilevel optimization 2013 ,		17
18	Approximated set-valued mapping approach for handling multiobjective bilevel problems. <i>Computers and Operations Research</i> , 2017 , 77, 194-209	4.6	16
17	Transportation policy formulation as a multi-objective bilevel optimization problem 2015 ,		16
16	Constructing test problems for bilevel evolutionary multi-objective optimization 2009 ,		15
15	Unconstrained scalable test problems for single-objective bilevel optimization 2012 ,		11
14	Solving optimistic bilevel programs by iteratively approximating lower level optimal value function 2016 ,		10
13	Convex preference cone-based approach for many objective optimization problems. <i>Computers and Operations Research</i> , 2018 , 95, 1-11	4.6	8
12	Learning the Roles of Directional Expressions and Domain Concepts in Financial News Analysis 2013 ,		7
11	Concept-based document classification using Wikipedia and value function. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 2496-2511		7
10	Handling inverse optimal control problems using evolutionary bilevel optimization 2016 ,		7
9	2018 ,		6
8	Evolutionary bilevel optimization (EBO) 2014 ,		3
7	Alternate second order conic program reformulations for hub location under stochastic demand and congestion. <i>Annals of Operations Research</i> , 2021 , 304, 481-527	3.2	3
6	2017 ,		2
5	Uncertainty Handling in Bilevel Optimization for Robust and Reliable Solutions. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2018 , 26, 1-24	0.8	2
4	Handling practicalities in agricultural policy optimization for water quality improvements 2017 ,		1
3	Unconstrained robust optimization using a descent-based crossover operator 2015 ,		1

- 2 Approximate Bilevel Optimization with Population-Based Evolutionary Algorithms. *Springer Optimization and Its Applications*, **2020**, 361-402 0.4 1
- 1 Finding better alternatives than those considered in a multiple criteria data sample. *Journal of Business Economics*, **2016**, 86, 35-54 2.3