

Ankur Sinha

List of Publications by Year in Descending Order

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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 | 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 |
| 36 | Approximate Bilevel Optimization with Population-Based Evolutionary Algorithms. <i>Springer Optimization and Its Applications</i> , 2020 , 361-402 | 0.4 | 1 |
| 35 | Bilevel optimization based on iterative approximation of multiple mappings. <i>Journal of Heuristics</i> , 2020 , 26, 151-185 | 1.9 | 18 |
| 34 | Using Karush-Kuhn-Tucker proximity measure for solving bilevel optimization problems. <i>Swarm and Evolutionary Computation</i> , 2019 , 44, 496-510 | 9.8 | 26 |
| 33 | 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 |
| 32 | Convex preference cone-based approach for many objective optimization problems. <i>Computers and Operations Research</i> , 2018 , 95, 1-11 | 4.6 | 8 |
| 31 | 2018 , | | 6 |
| 30 | 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 |
| 29 | Handling practicalities in agricultural policy optimization for water quality improvements 2017 , | | 1 |
| 28 | 2017 , | | 2 |
| 27 | An Enhanced Memetic Algorithm for Single-Objective Bilevel Optimization Problems. <i>Evolutionary Computation</i> , 2017 , 25, 607-642 | 4.3 | 24 |
| 26 | Approximated set-valued mapping approach for handling multiobjective bilevel problems. <i>Computers and Operations Research</i> , 2017 , 77, 194-209 | 4.6 | 16 |
| 25 | 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 |
| 24 | Optimal management of naturally regenerating uneven-aged forests. <i>European Journal of Operational Research</i> , 2017 , 256, 886-900 | 5.6 | 20 |
| 23 | Solving Bilevel Multicriterion Optimization Problems With Lower Level Decision Uncertainty. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 199-217 | 15.6 | 36 |
| 22 | Finding better alternatives than those considered in a multiple criteria data sample. <i>Journal of Business Economics</i> , 2016 , 86, 35-54 | 2.3 | |
| 21 | Handling inverse optimal control problems using evolutionary bilevel optimization 2016 , | | 7 |

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| 20 | Solving optimistic bilevel programs by iteratively approximating lower level optimal value function 2016, | | 10 |
| 19 | Unconstrained robust optimization using a descent-based crossover operator 2015, | | 1 |
| 18 | Transportation policy formulation as a multi-objective bilevel optimization problem 2015, | | 16 |
| 17 | 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 |
| 16 | Test problem construction for single-objective bilevel optimization. <i>Evolutionary Computation</i> , 2014 , 22, 439-77 | 4.3 | 62 |
| 15 | A bilevel optimization approach to automated parameter tuning 2014, | | 19 |
| 14 | 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 |
| 13 | An improved bilevel evolutionary algorithm based on Quadratic Approximations 2014, | | 37 |
| 12 | 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 |
| 11 | Evolutionary bilevel optimization (EBO) 2014, | | 3 |
| 10 | Evolutionary bilevel optimization 2013, | | 17 |
| 9 | Multi-objective Stackelberg game between a regulating authority and a mining company: A case study in environmental economics 2013, | | 48 |
| 8 | Learning the Roles of Directional Expressions and Domain Concepts in Financial News Analysis 2013, | | 7 |
| 7 | Unconstrained scalable test problems for single-objective bilevel optimization 2012, | | 11 |
| 6 | 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 |
| 5 | Progressively interactive evolutionary multi-objective optimization method using generalized polynomial value functions 2010, | | 21 |
| 4 | 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 |
| 3 | 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 |

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|---|---|----|
| 2 | Constructing test problems for bilevel evolutionary multi-objective optimization 2009 , | 15 |
| 1 | Local search based evolutionary multi-objective optimization algorithm for constrained and unconstrained problems 2009 , | 39 |