

# S Ali Mirhassani

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,517  
citations

393982

19  
h-index

344852

36  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1263  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Flexible Reformulation of the Refueling Station Location Problem. <i>Transportation Science</i> , 2013, 47, 617-628.	2.6	191
2	Computational solution of capacity planning models under uncertainty. <i>Parallel Computing</i> , 2000, 26, 511-538.	1.3	106
3	A hybrid Firefly-Genetic Algorithm for the capacitated facility location problem. <i>Information Sciences</i> , 2014, 283, 70-78.	4.0	95
4	A particle swarm optimization algorithm for open vehicle routing problem. <i>Expert Systems With Applications</i> , 2011, 38, 11547-11551.	4.4	88
5	Refueling-station location problem under uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 84, 101-116.	3.7	67
6	Scheduling multi-product tree-structure pipelines. <i>Computers and Chemical Engineering</i> , 2011, 35, 165-176.	2.0	66
7	Wind farm layout optimization under uncertainty. <i>Renewable Energy</i> , 2017, 107, 288-297.	4.3	45
8	An operational planning model for petroleum products logistics under uncertainty. <i>Applied Mathematics and Computation</i> , 2008, 196, 744-751.	1.4	44
9	The multi-product pipeline scheduling system. <i>Computers and Mathematics With Applications</i> , 2008, 56, 891-897.	1.4	44
10	A computational approach to enhancing course timetabling with integer programming. <i>Applied Mathematics and Computation</i> , 2006, 175, 814-822.	1.4	43
11	Deviation-flow refueling location problem with capacitated facilities: Model and algorithm. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 54, 269-281.	3.2	42
12	Solution approaches to the course timetabling problem. <i>Artificial Intelligence Review</i> , 2013, 39, 133-149.	9.7	41
13	Selecting optimal location for electric recharging stations with queue. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 2271-2280.	0.9	39
14	Operational scheduling of refined product pipeline with dual purpose depots. <i>Applied Mathematical Modelling</i> , 2013, 37, 5723-5742.	2.2	36
15	An application of Lagrangian relaxation to a capacity planning problem under uncertainty. <i>Journal of the Operational Research Society</i> , 2001, 52, 1256-1266.	2.1	26
16	A Fast Near-Optimal Approach for Energy-Aware SFC Deployment. <i>IEEE Transactions on Network and Service Management</i> , 2019, 16, 1360-1373.	3.2	25
17	A heuristic batch sequencing for multiproduct pipelines. <i>Computers and Chemical Engineering</i> , 2013, 56, 58-67.	2.0	24
18	Robust scheduling for multi-product pipelines under demand uncertainty. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 2541-2549.	1.5	22

#	ARTICLE	IF	CITATIONS
19	Implications of capacity expansion under uncertainty in oil industry. <i>Journal of Petroleum Science and Engineering</i> , 2011, 77, 194-199.	2.1	21
20	A mathematical model for vehicle routing problem under endogenous uncertainty. <i>International Journal of Production Research</i> , 2016, 54, 579-590.	4.9	21
21	A heuristic algorithm for optimal location of flow-refueling capacitated stations. <i>International Transactions in Operational Research</i> , 2017, 24, 1377-1403.	1.8	21
22	Adapting GA to solve a novel model for operating room scheduling problem with endogenous uncertainty. <i>Operations Research for Health Care</i> , 2018, 19, 26-43.	0.8	20
23	Time dependent green VRP with alternative fuel powered vehicles. <i>Energy Systems</i> , 2019, 10, 721-756.	1.8	20
24	Pavement maintenance and rehabilitation planning optimisation under budget and pavement deterioration uncertainty. <i>International Journal of Pavement Engineering</i> , 2022, 23, 414-424.	2.2	20
25	Transportation planning for petroleum products and integrated inventory management. <i>Applied Mathematical Modelling</i> , 2015, 39, 7630-7642.	2.2	19
26	Quantum binary particle swarm optimization-based algorithm for solving a class of bi-level competitive facility location problems. <i>Optimization Methods and Software</i> , 2015, 30, 756-768.	1.6	19
27	An efficient approach for computing non-Archimedean $\hat{\mu}$ in DEA based on integrated models. <i>Applied Mathematics and Computation</i> , 2005, 166, 449-456.	1.4	18
28	Algorithm for Long-Term Scheduling of Multiproduct Pipelines. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 13899-13910.	1.8	18
29	Reduction of carbon emissions in VRP by gravitational search algorithm. <i>Management of Environmental Quality</i> , 2014, 25, 766-782.	2.2	18
30	Lagrangean relaxation-based algorithm for bi-level problems. <i>Optimization Methods and Software</i> , 2015, 30, 1-14.	1.6	17
31	Improving paper spread in examination timetables using integer programming. <i>Applied Mathematics and Computation</i> , 2006, 179, 702-706.	1.4	16
32	Efficient constraint reduction in multistage stochastic programming problems with endogenous uncertainty. <i>Optimization Methods and Software</i> , 2016, 31, 359-376.	1.6	16
33	A GRASP meta-heuristic for two-dimensional irregular cutting stock problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 455-464.	1.5	14
34	Model and algorithm for bi-fuel vehicle routing problem to reduce GHG emissions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21610-21624.	2.7	14
35	A progressive hedging approach for large-scale pavement maintenance scheduling under uncertainty. <i>International Journal of Pavement Engineering</i> , 2022, 23, 2460-2472.	2.2	13
36	Prioritized Deployment of Dynamic Service Function Chains. <i>IEEE/ACM Transactions on Networking</i> , 2021, 29, 979-993.	2.6	12

#	ARTICLE	IF	CITATIONS
37	Efficient decomposition-based algorithm to solve long-term pipeline scheduling problem. <i>Petroleum Science</i> , 2019, 16, 1159-1175.	2.4	11
38	Methods and Models in Mathematical Programming. , 2019, , .		11
39	Benders decomposition with integer sub-problem applied to pipeline scheduling problem under flow rate uncertainty. <i>Computers and Chemical Engineering</i> , 2019, 123, 222-235.	2.0	11
40	Stochastic virtual network embedding via accelerated Benders decomposition. <i>Future Generation Computer Systems</i> , 2019, 94, 199-213.	4.9	11
41	Efficient Benders decomposition for distance-based critical node detection problem. <i>Omega</i> , 2020, 93, 102037.	3.6	11
42	Logic-based benders decomposition algorithm for contamination detection problem in water networks. <i>Computers and Operations Research</i> , 2020, 115, 104840.	2.4	11
43	Two-stage stochastic programming model to locate capacitated EV-charging stations in urban areas under demand uncertainty. <i>EURO Journal on Transportation and Logistics</i> , 2020, 9, 100025.	1.3	11
44	Reduction of nonanticipativity constraints in multistage stochastic programming problems with endogenous and exogenous uncertainty. <i>Mathematical Methods of Operations Research</i> , 2018, 87, 1-18.	0.4	10
45	Accelerating benders decomposition: multiple cuts via multiple solutions. <i>Journal of Combinatorial Optimization</i> , 2019, 37, 806-826.	0.8	9
46	Stope boundary optimization: A mathematical model and efficient heuristics. <i>Resources Policy</i> , 2019, 62, 515-526.	4.2	8
47	Risk-Based Models for Optimal Sensor Location Problems in Water Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	7
48	Solving two-dimensional cutting stock problem via a DNA computing algorithm. <i>Natural Computing</i> , 2021, 20, 145-159.	1.8	7
49	An Effective Bilevel Programming Approach for the Evasive Flow Capturing Location Problem. <i>Networks and Spatial Economics</i> , 2018, 18, 909-935.	0.7	6
50	EIA-CNDP: An exact iterative algorithm for critical node detection problem. <i>Computers and Operations Research</i> , 2021, 127, 105138.	2.4	6
51	On different formulations of green vehicle routing problem. <i>Journal of Information and Optimization Sciences</i> , 2019, 40, 883-903.	0.2	5
52	Enabling Emergency Flow Prioritization in SDN Networks. , 2019, , .		5
53	A scenario-based approach for master surgery scheduling under uncertainty. <i>International Journal of Healthcare Technology and Management</i> , 2017, 16, 177.	0.1	4
54	Efficient Two-Phase Algorithm to Solve Nonconvex MINLP Model of Pump Scheduling Problem. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	3

#	ARTICLE	IF	CITATIONS
55	A novel two-stage stochastic model for supply chain network design under uncertainty. Scientia Iranica, 2016, 23, 3046-3062.	0.3	3
56	A Computational approach to Convex Hull of Zero-one MIP problems with special structure. Journal of Information and Optimization Sciences, 2015, 36, 197-230.	0.2	2
57	Transportation and distribution management in downstream oil industry. International Journal of Applied Management Science, 2010, 2, 321.	0.1	1
58	An improved multi-parametric method for solving MIBLPP. Journal of Information and Optimization Sciences, 2018, 39, 1309-1328.	0.2	1
59	Risk-Based Formulation of the Transit Priority Network Design. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8895-8905.	4.7	1
60	Arc- and Path-Based Models and a Heuristic Method for the Building Evacuation Planning Problem. Journal of Infrastructure Systems, 2022, 28, .	1.0	1
61	A reactive adaptive memory metaheuristic for solving HFFVRP. Production and Manufacturing Research, 2014, 2, 805-830.	0.9	0
62	Designing an efficient transit network for large cities. International Journal of Management Science and Engineering Management, 2014, 9, 286-298.	2.6	0
63	Qualitative Comparison of Models. , 2019, , 205-268.		0
64	Models and Mathematical Logic. , 2019, , 67-113.		0
65	Applications of Mathematical Modeling. , 2019, , 269-381.		0
66	A solution approach for cardinality minimization problem based on fractional programming. Journal of Combinatorial Optimization, 0, , 1.	0.8	0