

Vladimir Marianov

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.

97
papers

2,816
citations

28
h-index

50
g-index

104
ext. papers

3,226
ext. citations

3.9
avg, IF

5.36
L-index

#	Paper	IF	Citations
97	Perspectives on modeling hub location problems. <i>European Journal of Operational Research</i> , 2021 , 291, 1-17	5.6	28
96	Stability of utility functions and apportionment rules in location models. <i>Top</i> , 2020 , 28, 772-792	1.3	
95	Maximizing political vote in multiple districts. <i>Socio-Economic Planning Sciences</i> , 2020 , 72, 100896	3.7	1
94	The Follower Competitive Location Problem with Comparison-Shopping. <i>Networks and Spatial Economics</i> , 2020 , 20, 367-393	1.9	3
93	A multi-product maximin hazmat routing-location problem with multiple origin-destination pairs. <i>Journal of Cleaner Production</i> , 2019 , 240, 118193	10.3	11
92	Systematically Incorporating Environmental Objectives into Shale Gas Pipeline Development: A Binary Integer, Multiobjective Spatial Optimization Model. <i>Environmental Science & Technology</i> , 2019 , 53, 7155-7162	10.3	0
91	Competitive Location Models 2019 , 391-429		1
90	A single allocation p-hub median problem with general piecewise-linear costs in arcs. <i>Computers and Industrial Engineering</i> , 2019 , 128, 477-491	6.4	10
89	Effects of multipurpose shopping trips on retail store location in a duopoly. <i>European Journal of Operational Research</i> , 2018 , 269, 782-792	5.6	9
88	On the effect of inventory policies on distribution network design with several demand classes. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018 , 111, 229-240	9	5
87	Corridor-based metro network design with travel flow capture. <i>Computers and Operations Research</i> , 2018 , 89, 58-67	4.6	12
86	The milk collection problem with blending and collection points. <i>Computers and Electronics in Agriculture</i> , 2017 , 134, 109-123	6.5	21
85	Location Models for Emergency Service Applications 2017 , 234-271		4
84	Multi-objective rapid transit network design with modal competition: The case of Concepción, Chile. <i>Computers and Operations Research</i> , 2017 , 78, 27-43	4.6	31
83	Hazardous materials collection with multiple-product loading. <i>Journal of Cleaner Production</i> , 2017 , 141, 909-919	10.3	16
82	Asymmetries in Competitive Location Models on the Line. <i>Springer Optimization and Its Applications</i> , 2017 , 105-128	0.4	1
81	A reconfiguration of fire station and fleet locations for the Santiago Fire Department. <i>International Journal of Production Research</i> , 2016 , 54, 3170-3186	7.8	11

80	Maximizing the minimum cover probability by emergency facilities. <i>Annals of Operations Research</i> , 2016 , 246, 349-362	3.2	8
79	On agglomeration in competitive location models. <i>Annals of Operations Research</i> , 2016 , 246, 31-55	3.2	19
78	The maxisum and maximin-maxisum HAZMAT routing problems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 93, 316-333	9	13
77	Scheduling operating rooms with consideration of all resources, post anesthesia beds and emergency surgeries. <i>Computers and Industrial Engineering</i> , 2016 , 97, 248-257	6.4	51
76	A milk collection problem with blending. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 94, 26-43	9	22
75	Locating fixed roadside units in a bus transport network for maximum communications probability. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 53, 35-47	8.4	11
74	Location Analysis in Practice. <i>Profiles in Operations Research</i> , 2015 , 1-22	1	3
73	Joint location-inventory problem with differentiated service levels using critical level policy. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015 , 83, 141-157	9	16
72	Location modeling for municipal solid waste facilities. <i>Computers and Operations Research</i> , 2015 , 62, 305-315	4.6	55
71	The maximin HAZMAT routing problem. <i>European Journal of Operational Research</i> , 2015 , 241, 15-27	5.6	33
70	P-Cable Trench Problem with Covering. <i>SSRN Electronic Journal</i> , 2015 ,	1	1
69	Rural School Location and Student Allocation. <i>Profiles in Operations Research</i> , 2015 , 273-289	1	1
68	Implications of dynamic spectrum management for regulation. <i>Telecommunications Policy</i> , 2015 , 39, 563-579	5	
67	Competitive Location Models 2015 , 365-398		10
66	A bi-objective model for the location of landfills for municipal solid waste. <i>European Journal of Operational Research</i> , 2014 , 235, 187-194	5.6	48
65	Multicriteria decision making under uncertainty: a visual approach. <i>International Transactions in Operational Research</i> , 2014 , 21, 525-540	2.9	11
64	A competitive hub location and pricing problem. <i>European Journal of Operational Research</i> , 2013 , 231, 734-744	5.6	76
63	Rapid transit network design for optimal cost and origin-destination demand capture. <i>Computers and Operations Research</i> , 2013 , 40, 3000-3009	4.6	31

62	p-Hub approach for the optimal park-and-ride facility location problem. <i>European Journal of Operational Research</i> , 2013 , 226, 277-285	5.6	59
61	Transmitter location for maximum coverage and constructive-destructive interference management. <i>Computers and Operations Research</i> , 2012 , 39, 1441-1449	4.6	5
60	A branch-and-cluster coordination scheme for selecting prison facility sites under uncertainty. <i>Computers and Operations Research</i> , 2012 , 39, 2232-2241	4.6	13
59	Mobile phone tower location for survival after natural disasters. <i>European Journal of Operational Research</i> , 2012 , 216, 563-572	5.6	19
58	Lagrangian relaxation heuristics for the p-cable-trench problem. <i>Computers and Operations Research</i> , 2012 , 39, 620-628	4.6	10
57	Optimizing location and size of rural schools in Chile. <i>International Transactions in Operational Research</i> , 2012 , 19, 695-710	2.9	17
56	Median Problems in Networks. <i>Profiles in Operations Research</i> , 2011 , 39-59	1	11
55	Foundations of Location Analysis. <i>Profiles in Operations Research</i> , 2011 ,	1	79
54	Location of Multiple-Server Common Service Centers or Facilities, for Minimizing General Congestion and Travel Cost Functions. <i>International Regional Science Review</i> , 2011 , 34, 323-338	1.8	7
53	Pioneering Developments in Location Analysis. <i>Profiles in Operations Research</i> , 2011 , 3-22	1	8
52	Lagrangian Relaxation-Based Techniques for Solving Facility Location Problems. <i>Profiles in Operations Research</i> , 2011 , 391-420	1	3
51	Location of single-server immobile facilities subject to a loss constraint. <i>Journal of the Operational Research Society</i> , 2010 , 61, 987-999	2	7
50	Determination of Feeder Areas for the Design of Large Distribution Networks. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 1912-1922	4.3	23
49	A branch and cut algorithm for the hierarchical network design problem. <i>European Journal of Operational Research</i> , 2010 , 200, 28-35	5.6	17
48	Minimum cost path location for maximum traffic capture. <i>Computers and Industrial Engineering</i> , 2010 , 58, 332-341	6.4	4
47	A branch-and-price algorithm for the Vehicle Routing Problem with Deliveries, Selective Pickups and Time Windows. <i>European Journal of Operational Research</i> , 2010 , 206, 341-349	5.6	61
46	A single vehicle routing problem with fixed delivery and optional collections. <i>IIE Transactions</i> , 2009 , 41, 1067-1079		20
45	Optimal Capacity Expansion in Electric Power Subtransmission Networks. <i>Journal of Energy Engineering - ASCE</i> , 2009 , 135, 98-105	1.7	1

44	Gradual location set covering with service quality. <i>Socio-Economic Planning Sciences</i> , 2009 , 43, 121-130	3.7	51
43	A conditional p-hub location problem with attraction functions. <i>Computers and Operations Research</i> , 2009 , 36, 3128-3135	4.6	63
42	The heuristic concentration-integer and its application to a class of location problems. <i>Computers and Operations Research</i> , 2009 , 36, 1406-1422	4.6	6
41	Optimal location of multi-server congestible facilities operating as M/Er/m/N queues. <i>Journal of the Operational Research Society</i> , 2009 , 60, 674-684	2	8
40	Median Problems in Networks. <i>SSRN Electronic Journal</i> , 2009 ,	1	2
39	Workload assignment with training, hiring and firing. <i>Engineering Optimization</i> , 2008 , 40, 1051-1066	2	3
38	Employee positioning and workload allocation. <i>Computers and Operations Research</i> , 2008 , 35, 513-524	4.6	44
37	Selecting compact habitat reserves for species with differential habitat size needs. <i>Computers and Operations Research</i> , 2008 , 35, 475-487	4.6	18
36	Facility location for market capture when users rank facilities by shorter travel and waiting times. <i>European Journal of Operational Research</i> , 2008 , 191, 32-44	5.6	65
35	Optimal design of hierarchical networks with free main path extremes. <i>Operations Research Letters</i> , 2008 , 36, 366-371	1	8
34	An optimal procedure for solving the hierarchical network design problem. <i>IIE Transactions</i> , 2007 , 39, 513-524		4
33	PoQBA: A New Path Admission Control for Diffserv Networks 2007 , 435-445		
32	Allocating servers to facilities, when demand is elastic to travel and waiting times. <i>RAIRO - Operations Research</i> , 2005 , 39, 143-162	2.2	14
31	A PROBABILISTIC FIRE-PROTECTION SITING MODEL WITH JOINT VEHICLE RELIABILITY REQUIREMENTS. <i>Papers in Regional Science</i> , 2005 , 71, 217-241	1.8	1
30	Teachers\support with ad-hoc collaborative networks. <i>Journal of Computer Assisted Learning</i> , 2005 , 21, 171-180	3.8	24
29	Multiple path routing algorithm for IP networks. <i>Computer Communications</i> , 2005 , 28, 829-836	5.1	4
28	A procedure for the strategic planning of locations, capacities and districting of jails: application to Chile. <i>Journal of the Operational Research Society</i> , 2005 , 56, 244-251	2	9
27	Design of Heterogeneous Traffic Networks Using Simulated Annealing Algorithms. <i>Lecture Notes in Computer Science</i> , 2005 , 520-530	0.9	2

26	New Trends in Public Facility Location Modeling. <i>SSRN Electronic Journal</i> , 2004 ,	1	7
25	Finding locations for public service centres that compete with private centres: Effects of congestion*. <i>Papers in Regional Science</i> , 2004 , 83, 631-648	1.8	
24	Finding locations for public service centres that compete with private centres: Effects of congestion. <i>Papers in Regional Science</i> , 2004 , 83, 631-648	1.8	12
23	Trading off Species Protection and Timber Production in Forests Managed for Multiple Objectives. <i>Environment and Planning B: Planning and Design</i> , 2004 , 31, 847-862		7
22	Location of Multiple-Server Congestible Facilities for Maximizing Expected Demand, when Services are Non-Essential. <i>Annals of Operations Research</i> , 2003 , 123, 125-141	3.2	21
21	Location models for airline hubs behaving as M/D/c queues. <i>Computers and Operations Research</i> , 2003 , 30, 983-1003	4.6	143
20	Beyond Nintendo: design and assessment of educational video games for first and second grade students. <i>Computers and Education</i> , 2003 , 40, 71-94	9.5	338
19	Anticoverage Models for Obnoxious Material Transportation. <i>Environment and Planning B: Planning and Design</i> , 2002 , 29, 141-150		5
18	Allocation of Multiple-Server Service Centers with Constrained Queues or Waiting Times. <i>Annals of Operations Research</i> , 2002 , 111, 35-50	3.2	73
17	Location Problems in the Public Sector 2002 , 119-150		64
16	Hierarchical location-allocation models for congested systems. <i>European Journal of Operational Research</i> , 2001 , 135, 195-208	5.6	75
15	Optimal location of public health centres which provide free and paid services. <i>Journal of the Operational Research Society</i> , 2001 , 52, 391-400	2	24
14	A probabilistic quality of service constraint for a location model of switches in ATM communications networks. <i>Annals of Operations Research</i> , 2000 , 96, 237-243	3.2	25
13	Hierarchical Location-Allocation Models for Congested Systems. <i>SSRN Electronic Journal</i> , 2000 ,	1	2
12	Survivable Capacitated Network Design Problem: New Formulation and Lagrangean Relaxation. <i>Journal of the Operational Research Society</i> , 2000 , 51, 574	2	
11	Location of hubs in a competitive environment. <i>European Journal of Operational Research</i> , 1999 , 114, 363-371	5.6	76
10	Probabilistic, Maximal Covering Location-Allocation Models for Congested Systems. <i>Journal of Regional Science</i> , 1998 , 38, 401-424	1.8	128
9	The p-median problem in a changing network: the case of Barcelona. <i>Location Science</i> , 1998 , 6, 383-394		75

8	The Queueing Maximal availability location problem: A model for the siting of emergency vehicles. <i>European Journal of Operational Research</i> , 1996 , 93, 110-120	5.6	192
7	Siting Emergency Services 1995 , 199-223		53
6	The queuing probabilistic location set covering problem and some extensions. <i>Socio-Economic Planning Sciences</i> , 1994 , 28, 167-178	3.7	85
5	The capacitated standard response fire protection siting problem: Deterministic and probabilistic models. <i>Annals of Operations Research</i> , 1992 , 40, 303-322	3.2	30
4	A probabilistic fire-protection siting model with joint vehicle reliability requirements. <i>Papers in Regional Science</i> , 1992 , 71, 217-241	1.8	26
3	The maximum-capture hierarchical location problem. <i>European Journal of Operational Research</i> , 1992 , 62, 363-371	5.6	32
2	A probabilistic FLEET model with individual vehicle reliability requirements. <i>European Journal of Operational Research</i> , 1991 , 53, 93-105	5.6	37
1	The Standard Response Fire Protection Siting Problem. <i>Infor</i> , 1991 , 29, 116-129	0.5	14