Vladimir Marianov

List of Publications by Citations

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	Beyond Nintendo: design and assessment of educational video games for first and second grade students. *Computers and Education*, **2003**, 40, 71-94	9.5	338
96	The Queueing Maximal availability location problem: A model for the siting of emergency vehicles. *European Journal of Operational Research*, **1996**, 93, 110-120	5.6	192
95	Location models for airline hubs behaving as M/D/c queues. *Computers and Operations Research*, **2003**, 30, 983-1003	4.6	143
94	Probabilistic, Maximal Covering Location Allocation Models for Congested Systems. *Journal of Regional Science*, **1998**, 38, 401-424	1.8	128
93	The queuing probabilistic location set covering problem and some extensions. *Socio-Economic Planning Sciences*, **1994**, 28, 167-178	3.7	85
92	Foundations of Location Analysis. *Profiles in Operations Research*, **2011**,	1	79
91	A competitive hub location and pricing problem. *European Journal of Operational Research*, **2013**, 231, 734-744	5.6	76
90	Location of hubs in a competitive environment. *European Journal of Operational Research*, **1999**, 114, 363-371	5.6	76
89	Hierarchical location Allocation models for congested systems. *European Journal of Operational Research*, **2001**, 135, 195-208	5.6	75
88	The p-median problem in a changing network: the case of Barcelona. *Location Science*, **1998**, 6, 383-394		75
87	Location Allocation of Multiple-Server Service Centers with Constrained Queues or Waiting Times. *Annals of Operations Research*, **2002**, 111, 35-50	3.2	73
86	Facility location for market capture when users rank facilities by shorter travel and waiting times. *European Journal of Operational Research*, **2008**, 191, 32-44	5.6	65
85	Location Problems in the Public Sector **2002**, 119-150		64
84	A conditional p-hub location problem with attraction functions. *Computers and Operations Research*, **2009**, 36, 3128-3135	4.6	63
83	A branch-and-price algorithm for the Vehicle Routing Problem with Deliveries, Selective Pickups and Time Windows. *European Journal of Operational Research*, **2010**, 206, 341-349	5.6	61
82	p-Hub approach for the optimal park-and-ride facility location problem. *European Journal of Operational Research*, **2013**, 226, 277-285	5.6	59
81	Location modeling for municipal solid waste facilities. *Computers and Operations Research*, **2015**, 62, 305-315	4.6	55

62	The milk collection problem with blending and collection points. *Computers and Electronics in Agriculture*, **2017**, 134, 109-123	6.5	21
61	Location of Multiple-Server Congestible Facilities for Maximizing Expected Demand, when Services are Non-Essential. *Annals of Operations Research*, **2003**, 123, 125-141	3.2	21
60	A single vehicle routing problem with fixed delivery and optional collections. *IIE Transactions*, **2009**, 41, 1067-1079		20
59	On agglomeration in competitive location models. *Annals of Operations Research*, **2016**, 246, 31-55	3.2	19
58	Mobile phone tower location for survival after natural disasters. *European Journal of Operational Research*, **2012**, 216, 563-572	5.6	19
57	Selecting compact habitat reserves for species with differential habitat size needs. *Computers and Operations Research*, **2008**, 35, 475-487	4.6	18
56	Optimizing location and size of rural schools in Chile. *International Transactions in Operational Research*, **2012**, 19, 695-710	2.9	17
55	A branch and cut algorithm for the hierarchical network design problem. *European Journal of Operational Research*, **2010**, 200, 28-35	5.6	17
54	Joint location-inventory problem with differentiated service levels using critical level policy. *Transportation Research, Part E: Logistics and Transportation Review*, **2015**, 83, 141-157	9	16
53	Hazardous materials collection with multiple-product loading. *Journal of Cleaner Production*, **2017**, 141, 909-919	10.3	16
52	Allocating servers to facilities, when demand is elastic to travel and waiting times. *RAIRO - Operations Research*, **2005**, 39, 143-162	2.2	14
51	The Standard Response Fire Protection Siting Problem. *Infor*, **1991**, 29, 116-129	0.5	14
50	A branch-and-cluster coordination scheme for selecting prison facility sites under uncertainty. *Computers and Operations Research*, **2012**, 39, 2232-2241	4.6	13
49	The maxisum and maximin-maxisum HAZMAT routing problems. *Transportation Research, Part E: Logistics and Transportation Review*, **2016**, 93, 316-333	9	13
48	Finding locations for public service centres that compete with private centres: Effects of congestion. *Papers in Regional Science*, **2004**, 83, 631-648	1.8	12
47	Corridor-based metro network design with travel flow capture. *Computers and Operations Research*, **2018**, 89, 58-67	4.6	12
46	A reconfiguration of fire station and fleet locations for the Santiago Fire Department. *International Journal of Production Research*, **2016**, 54, 3170-3186	7.8	11
45	A multi-product maximin hazmat routing-location problem with multiple origin-destination pairs. *Journal of Cleaner Production*, **2019**, 240, 118193	10.3	11

44	Locating fixed roadside units in a bus transport network for maximum communications probability. *Transportation Research Part C: Emerging Technologies*, **2015**, 53, 35-47	8.4	11
43	Multicriteria decision making under uncertainty: a visual approach. *International Transactions in Operational Research*, **2014**, 21, 525-540	2.9	11
42	Median Problems in Networks. *Profiles in Operations Research*, **2011**, 39-59	1	11
41	Lagrangean relaxation heuristics for the p-cable-trench problem. *Computers and Operations Research*, **2012**, 39, 620-628	4.6	10
40	Competitive Location Models **2015**, 365-398		10
39	A single allocation p-hub median problem with general piecewise-linear costs in arcs. *Computers and Industrial Engineering*, **2019**, 128, 477-491	6.4	10
38	Effects of multipurpose shopping trips on retail store location in a duopoly. *European Journal of Operational Research*, **2018**, 269, 782-792	5.6	9
37	A procedure for the strategic planning of locations, capacities and districting of jails: application to Chile. *Journal of the Operational Research Society*, **2005**, 56, 244-251	2	9
36	Maximizing the minimum cover probability by emergency facilities. *Annals of Operations Research*, **2016**, 246, 349-362	3.2	8
35	Optimal location of multi-server congestible facilities operating as M/Er/m/N queues. *Journal of the Operational Research Society*, **2009**, 60, 674-684	2	8
34	Optimal design of hierarchical networks with free main path extremes. *Operations Research Letters*, **2008**, 36, 366-371	1	8
33	Pioneering Developments in Location Analysis. *Profiles in Operations Research*, **2011**, 3-22	1	8
32	Location of Multiple-Server Common Service Centers or Facilities, for Minimizing General Congestion and Travel Cost Functions. *International Regional Science Review*, **2011**, 34, 323-338	1.8	7
31	Location of single-server immobile facilities subject to a loss constraint. *Journal of the Operational Research Society*, **2010**, 61, 987-999	2	7
30	New Trends in Public Facility Location Modeling. *SSRN Electronic Journal*, **2004**,	1	7
29	Trading off Species Protection and Timber Production in Forests Managed for Multiple Objectives. *Environment and Planning B: Planning and Design*, **2004**, 31, 847-862		7
28	The heuristic concentration-integer and its application to a class of location problems. *Computers and Operations Research*, **2009**, 36, 1406-1422	4.6	6
27	On the effect of inventory policies on distribution network design with several demand classes. *Transportation Research, Part E: Logistics and Transportation Review*, **2018**, 111, 229-240	9	5

26	Transmitter location for maximum coverage and constructive/destructive interference management. *Computers and Operations Research*, **2012**, 39, 1441-1449	4.6	5
25	Implications of dynamic spectrum management for regulation. *Telecommunications Policy*, **2015**, 39, 563-579		5
24	Anticoverage Models for Obnoxious Material Transportation. *Environment and Planning B: Planning and Design*, **2002**, 29, 141-150		5
23	Location Models for Emergency Service Applications **2017**, 234-271		4
22	Minimum cost path location for maximum traffic capture. *Computers and Industrial Engineering*, **2010**, 58, 332-341	6.4	4
21	An optimal procedure for solving the hierarchical network design problem. *IIE Transactions*, **2007**, 39, 513-524		4
20	Multiple path routing algorithm for IP networks. *Computer Communications*, **2005**, 28, 829-836	5.1	4
19	Location Analysis in Practice. *Profiles in Operations Research*, **2015**, 1-22	1	3
18	Workload assignment with training, hiring and firing. *Engineering Optimization*, **2008**, 40, 1051-1066	2	3
17	The Follower Competitive Location Problem with Comparison-Shopping. *Networks and Spatial Economics*, **2020**, 20, 367-393	1.9	3
16	Lagrangean Relaxation-Based Techniques for Solving Facility Location Problems. *Profiles in Operations Research*, **2011**, 391-420	1	3
15	Median Problems in Networks. *SSRN Electronic Journal*, **2009**,	1	2
14	Hierarchical Location-Allocation Models for Congested Systems. *SSRN Electronic Journal*, **2000**,	1	2
13	Design of Heterogeneous Traffic Networks Using Simulated Annealing Algorithms. *Lecture Notes in Computer Science*, **2005**, 520-530	0.9	2
12	P-Cable Trench Problem with Covering. *SSRN Electronic Journal*, **2015**,	1	1
11	Rural School Location and Student Allocation. *Profiles in Operations Research*, **2015**, 273-289	1	1
10	Optimal Capacity Expansion in Electric Power Subtransmission Networks. *Journal of Energy Engineering - ASCE*, **2009**, 135, 98-105	1.7	1
9	A PROBABILISTIC FIRE-PROTECTION SITING MODEL WITH JOINT VEHICLE RELIABILITY REQUIREMENTS. *Papers in Regional Science*, **2005**, 71, 217-241	1.8	1

List of Publications

8	Competitive Location Models **2019**, 391-429		1
7	Asymmetries in Competitive Location Models on the Line. *Springer Optimization and Its Applications*, **2017**, 105-128	0.4	1
6	Maximizing political vote in multiple districts. *Socio-Economic Planning Sciences*, **2020**, 72, 100896	3.7	1
5	Systematically Incorporating Environmental Objectives into Shale Gas Pipeline Development: A Binary Integer, Multiobjective Spatial Optimization Model. *Environmental Science & Technology*, **2019**, 53, 7155-7162	10.3	0
4	Stability of utility functions and apportionment rules in location models. *Top*, **2020**, 28, 772-792	1.3	
3	Finding locations for public service centres that compete with private centres: Effects of congestion*. *Papers in Regional Science*, **2004**, 83, 631-648	1.8	
2	Survivable Capacitated Network Design Problem: New Formulation and Lagrangean Relaxation. *Journal of the Operational Research Society*, **2000**, 51, 574	2	
1	PoQBA: A New Path Admission Control for Diffserv Networks **2007**, 435-445		