

## ABSTRACT

An analysis of the research area "Locational Analysis and Related Problems" through publications and citations is presented.

All publications containing facility location or location problem terms in the title, abstract or keywords were searched in the ISI-Web of Science database.

A total of 1859 publications were obtained in the period 2000-2009.

The average citations per item is 5.65 and the h-index is 38.

Some results about production by institution, document type, year, country, journal, and research area are shown.

Finally, most cited articles are analysed.

## SEARCH CRITERIA

"facility location" or "location problem\*" in title, abstract or Keywords

## RESULTS

Results found: 1859  
Average pages per item: 13.9  
Sum of times cited: 10495  
Average citations per item: 5.65  
Topic h-index: 38

## TAG CROWD



Figure 1: Title tag crowd showing top 50 of 2223 possible words

## PRODUCTION

Field: Document Type	Record Count	% of 1859	Bar Chart
ARTICLE	1495	80.4196 %	
PROCEEDINGS PAPER	318	17.1000 %	
REVIEW	29	1.5000 %	
EDITORIAL MATERIAL	13	0.6993 %	

Table 1: Production type

Field: Publication Year	Record Count	% of 1859	Bar Chart
2000	103	5.5406 %	
2001	112	6.0247 %	
2002	135	7.2620 %	
2003	142	7.3365 %	
2004	139	7.4771 %	
2005	150	8.0669 %	
2006	183	9.8440 %	
2007	193	10.3819 %	
2008	223	11.9957 %	
2009	257	13.8246 %	

Table 2: Production by year

Table 3: Production by country (up to 10 articles)

Field: Institution Name	Record Count	% of 1859	Bar Chart
UNIV TORONTO	52	2.7927 %	
CALIF STATE UNIV FULLERTON	42	2.2598 %	
UNIV MURCIA	36	1.9395 %	
MCMASTER UNIV	32	1.7214 %	
TEL AVIV UNIV	32	1.7214 %	
UNIV FLORIDA	32	1.7214 %	
UNIV SEVILLE	31	1.6678 %	
UNIV SEVILLA	30	1.6138 %	
BILKENT UNIV	25	1.3448 %	
OHIO STATE UNIV	25	1.3448 %	
MIT	23	1.2372 %	
TEXAS A&M UNIV	23	1.2372 %	
KYOTO UNIV	22	1.1834 %	
STANFORD UNIV	22	1.1834 %	
SUNY BUFFALO	21	1.1296 %	
UNIV CALIF BERKELEY	21	1.1296 %	
UNIV KASSELSAUTERN	21	1.1296 %	
CORNELL UNIV	20	1.0758 %	

Table 4: Production by institution (up to 20 articles)

Field: Source Title	Record Count	% of 1859	Bar Chart
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	183	9.8440 %	
COMPUTERS & OPERATIONS RESEARCH	135	7.2620 %	
LECTURE NOTES IN COMPUTER SCIENCE	99	5.3254 %	
ANNALS OF OPERATIONS RESEARCH	82	4.4110 %	
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY	53	2.8510 %	
NETWORKS	43	2.3131 %	
OPERATIONS RESEARCH LETTERS	31	1.6676 %	
DISCRETE APPLIED MATHEMATICS	28	1.5062 %	
SIAM JOURNAL ON COMPUTING	28	1.5062 %	
SWITZERLAND	27	1.2372 %	
DENMARK	22	1.1296 %	
RUSSIA	21	1.1296 %	
SINGAPORE	21	1.1296 %	
FINLAND	18	0.9863 %	
CHILE	17	0.9145 %	
GREECE	17	0.9145 %	
POLAND	14	0.7531 %	
SERBIA	11	0.5917 %	

Table 5: Production by journal (up to 20 articles)

Field: Subject Area	Record Count	% of 1859	Bar Chart
OPERATIONS RESEARCH & MANAGEMENT SCIENCE	943	50.7262 %	
MANAGEMENT	295	15.8867 %	
MATHEMATICS, APPLIED	276	14.8467 %	
ENGINEERING, INDUSTRIAL	258	13.8784 %	
COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS	252	13.5567 %	
COMPUTER SCIENCE, THEORY & METHODS	224	12.0495 %	
TRANSPORTATION SCIENCE & TECHNOLOGY	99	5.3254 %	
ENGINEERING, MANUFACTURING	87	4.6799 %	
COMPUTER SCIENCE, HARDWARE & ARCHITECTURE	84	4.5186 %	
COMPUTER SCIENCE, INFORMATION SYSTEMS	81	4.3572 %	
COMPUTER SCIENCE, SOFTWARE ENGINEERING	78	4.1958 %	
ENGINEERING, ELECTRICAL & ELECTRONIC	77	4.1420 %	
TRANSPORTATION	77	4.1420 %	
COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	76	4.0682 %	
STATISTICS & PROBABILITY	73	3.9268 %	
ENGINEERING, CIVIL	69	3.7117 %	
GEOPHYSICS	42	2.2950 %	
MATHEMATICS	40	2.1783 %	
ENVIRONMENTAL STUDIES	34	1.8209 %	
TELECOMMUNICATIONS	34	1.8209 %	
AUTOMATION & CONTROL SYSTEMS	31	1.6676 %	
MATHEMATICS, INTERDISCIPLINARY APPLICATIONS	25	1.3448 %	

Table 6: Production by area (up to 25 articles)

## MOST CITED ARTICLES

Source Title	Publication Year	# Pages	Total Citations	Average Citations per Year
SIAM JOURNAL ON CONTROL AND OPTIMIZATION	2005	31	47	9.40
INTERNATIONAL JOURNAL OF LOGISTICS MANAGEMENT	2003	29	40	10.71
PRODUCTION & OPERATIONS MANAGEMENT	2001	17	64	9.53
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2001	19	92	10.22
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2007	33	46	15.33
INTERNATIONAL JOURNAL OF GEOGRAPHICAL INFORMATION SCIENCE	2006	23	44	11.00
SIAM JOURNAL ON OPTIMIZATION	2008	23	26	13.00
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2008	20	25	12.50
PRODUCTION & OPERATIONS MANAGEMENT	2007	24	38	12.67
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2005	19	53	10.00
ENVIRONMENTAL MODELING & ASSESSMENT	2002	9	67	7.38
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2007	23	37	12.33
LECTURE NOTES IN COMPUTER SCIENCE	2002	13	48	6.00
COMPUTERS & OPERATIONS RESEARCH	2007	20	34	11.33
COMPUTERS & OPERATIONS RESEARCH	2002	18	60	7.50
SIAM JOURNAL ON COMPUTING	2001	15	65	7.22
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2004	19	43	7.17
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS	2001	14	61	6.78
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	2004	16	42	7.00
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2006	9	30	7.50
NUTRITION & DIETETICS	2007	6	18	6.00
COMPUTERS & INDUSTRIAL ENGINEERING	2002	15	53	6.63
SIAM JOURNAL ON COMPUTING	2003	24	41	5.89
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2005	14	34	6.80
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS	2008	14	17	6.50
JOURNAL OF ENVIRONMENTAL MANAGEMENT	2008	13	17	8.50
ACM TRANSACTIONS ON MATHEMATICAL SOFTWARE	2001	9	50	5.56
OMEGA INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE	2006	14	33	8.25
IEE TRANSACTIONS	2006	17	27	6.75
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2001	9	53	5.89
INTERNATIONAL JOURNAL OF GEOGRAPHICAL INFORMATION SCIENCE	2001	21	53	5.69
JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION	2007	26	21	7.00
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2003	16	47	6.71
JOURNAL OF SOUND AND VIBRATION	2004	19	36	6.00
ANALYSIS OF OPERATIONS RESEARCH	2003	21	41	5.86
TRANSPORTATION SCIENCE	2005	16	30	6.00
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2007	9	20	6.67
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2008	13	15	7.50

Table 7: Most cited articles (up to 5 average citations per year)

## CONTACT

Pablo Dorta-González  
Departamento de Métodos Cuantitativos en Economía y Gestión, Universidad de Las Palmas de Gran Canaria

Email: pdorta@dm.c.ulpgc.es  
Phone: +34 928 451 797  
Website: <http://www.personales.ulpgc.es/pdorta.dmc>