

# Luis G Vargas

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

3,248  
citations

516710

16  
h-index

377865

34  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Models, Methods, Concepts & Applications of the Analytic Hierarchy Process. Profiles in Operations Research, 2012, , .	0.4	770
2	The Theory of Ratio Scale Estimation: Saaty's Analytic Hierarchy Process. Management Science, 1987, 33, 1383-1403.	4.1	644
3	Uncertainty and rank order in the analytic hierarchy process. European Journal of Operational Research, 1987, 32, 107-117.	5.7	569
4	Inconsistency and rank preservation. Journal of Mathematical Psychology, 1984, 28, 205-214.	1.8	226
5	The Surgical Scheduling Problem: Current Research and Future Opportunities. Production and Operations Management, 2011, 20, 392-405.	3.8	172
6	Surgical suite utilization and capacity planning: a minimal cost analysis model. Journal of Medical Systems, 1997, 21, 309-322.	3.6	137
7	Preference simulation and preference programming: robustness issues in priority derivation. European Journal of Operational Research, 1993, 69, 200-209.	5.7	133
8	Fitting the Lognormal Distribution to Surgical Procedure Times. Decision Sciences, 2000, 31, 129-148.	4.5	98
9	The possibility of group choice: pairwise comparisons and merging functions. Social Choice and Welfare, 2012, 38, 481-496.	0.8	86
10	Dispersion of group judgments. Mathematical and Computer Modelling, 2007, 46, 918-925.	2.0	82
11	How to Make A Decision. Profiles in Operations Research, 2001, , 1-25.	0.4	44
12	THE POSSIBILITY OF GROUP WELFARE FUNCTIONS. International Journal of Information Technology and Decision Making, 2005, 04, 167-176.	3.9	38
13	An optimization-based approach for the design of Bayesian networks. Mathematical and Computer Modelling, 2008, 48, 1265-1278.	2.0	31
14	The consistency index in reciprocal matrices: Comparison of deterministic and statistical approaches. European Journal of Operational Research, 2008, 191, 454-463.	5.7	28
15	Group Decision Making with Dispersion in the Analytic Hierarchy Process. Group Decision and Negotiation, 2016, 25, 355-372.	3.3	28
16	A new methodology for sensitivity and stability analysis of analytic network models. European Journal of Operational Research, 2013, 224, 180-188.	5.7	18
17	A neural network model for the free-ranging AGV route-planning problem. Journal of Intelligent Manufacturing, 1996, 7, 217-227.	7.3	16
18	Cognitive Multiple Criteria Decision Making and the Legacy of the Analytic Hierarchy Process. Estudios De Economia Aplicada (discontinued), 2018, 36, 67-80.	0.5	16

#	ARTICLE	IF	CITATIONS
19	Interval judgments and Euclidean centers. <i>Mathematical and Computer Modelling</i> , 2007, 46, 976-984.	2.0	13
20	On prioritizing on-time arrivals in an outpatient clinic. <i>IISE Transactions on Healthcare Systems Engineering</i> , 2017, 7, 93-106.	1.7	12
21	Products and services valuation through unsolicited information from social media. <i>Soft Computing</i> , 2020, 24, 1775-1788.	3.6	12
22	Sensitivity Analysis in the Analytic Hierarchy Process. <i>Profiles in Operations Research</i> , 2013, , 345-360.	0.4	10
23	A revenue management approach for managing operating room capacity. , 2010, , .		9
24	Voting with Intensity of Preferences. <i>International Journal of Information Technology and Decision Making</i> , 2016, 15, 839-859.	3.9	9
25	CONFLICT IDENTIFICATION AND RECONCILIATION IN A COLLABORATIVE MANUFACTURING SCHEDULING TASK. <i>International Journal of Information Technology and Decision Making</i> , 2008, 07, 147-174.	3.9	7
26	A Personalized Approach of Patientâ€™Health Care Provider Communication Regarding Colorectal Cancer Screening Options. <i>Medical Decision Making</i> , 2018, 38, 601-613.	2.4	7
27	An analysis of the sensitivity and stability of patientsâ€™ preferences can lead to more appropriate medical decisions. <i>Annals of Operations Research</i> , 2020, 293, 863-901.	4.1	7
28	QUALITY CREDIT EVALUATION IN THE INTERNET COMPANY: A SYSTEM BASED ON THE ANALYTIC HIERARCHY PROCESS. <i>Journal of Business Economics and Management</i> , 2020, 21, 344-372.	2.4	6
29	Editorial journal of multicriteria decision analysis special issue on â€œIndustrial and Manufacturing Engineering: Theory and Application using AHP/ANPâ€•. <i>Journal of Multi-Criteria Decision Analysis</i> , 2017, 24, 201-202.	1.9	4
30	Conflict resolution in the era of cognitive multicriteria decisionâ€making: an AHPâ€retributive approach. <i>International Transactions in Operational Research</i> , 2023, 30, 1453-1478.	2.7	4
31	Multi-dimensional stability analysis for Analytic Network Process models. <i>Annals of Operations Research</i> , 2022, 316, 1401-1424.	4.1	3
32	Special issue on â€œAHP/ANP Studies in Technology, Entrepreneurship and Corporate Social Responsibilityâ€•. <i>Journal of Multi-Criteria Decision Analysis</i> , 2020, 27, 3-4.	1.9	3
33	Measuring U.S. influence in the world. <i>Journal of Multi-Criteria Decision Analysis</i> , 2021, 28, 68-84.	1.9	2
34	The Analytic Hierarchy Process in the Building Sector. , 2022, , 19-43.		1
35	Measuring U.S. Foreign Policy Effectiveness. <i>Journal of Behavioral and Applied Management</i> , 2020, 21, .	0.7	1
36	Euclidean centers: Computation, properties and a MOLP application. <i>Mathematical and Computer Modelling</i> , 2008, 48, 197-205.	2.0	0

#	ARTICLE	IF	CITATIONS
37	A unified framework for joint patient-physician collaboration: The colorectal cancer screening problem. Journal of the Operational Research Society, 0, , 1-39.	3.4	0
38	How to Set a User Reporting Supported Decision Making in Architectural Engineering and Building Production. , 2022, , 61-81.		0
39	Augmented Reality to Support the Analytic Hierarchy Process. , 2022, , 45-59.		0
40	User Reporting and Condition Ratings to Support Building Maintenance and Diagnostics. , 2022, , 121-140.		0
41	AR-AHP to Support the Building Retrofitting: Selection of the Best Precast Concrete Panel Cladding. , 2022, , 83-101.		0
42	User Reporting and AHP to Investigate the Perception and Social Acceptance of Wind Energy. , 2022, , 103-120.		0
43	New Approaches for Multi-Criteria Analysis in Building Constructions. , 2022, , .		0
44	Implications of the stability analysis of preferences for personalised colorectal cancer screening. Journal of Multi-Criteria Decision Analysis, 0, , .	1.9	0