

Jaroslav Ramik

List of Publications by Year in descending order

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52
papers

1,841
citations

393982

19
h-index

264894

42
g-index

59
all docs

59
docs citations

59
times ranked

906
citing authors

#	ARTICLE	IF	CITATIONS
1	Possibilistic linear programming: a brief review of fuzzy mathematical programming and a comparison with stochastic programming in portfolio selection problem. Fuzzy Sets and Systems, 2000, 111, 3-28.	1.6	648
2	Inequality relation between fuzzy numbers and its use in fuzzy optimization. Fuzzy Sets and Systems, 1985, 16, 123-138.	1.6	331
3	Inconsistency of pair-wise comparison matrix with fuzzy elements based on geometric mean. Fuzzy Sets and Systems, 2010, 161, 1604-1613.	1.6	121
4	Satisficing solutions and duality in interval and fuzzy linear programming. Fuzzy Sets and Systems, 2003, 135, 151-177.	1.6	78
5	Duality in Fuzzy Linear Programming: Some New Concepts and Results. Fuzzy Optimization and Decision Making, 2005, 4, 25-39.	3.4	57
6	Duality in fuzzy linear programming with possibility and necessity relations. Fuzzy Sets and Systems, 2006, 157, 1283-1302.	1.6	51
7	Fuzzy mathematical programming based on some new inequality relations. Fuzzy Sets and Systems, 1996, 81, 77-87.	1.6	37
8	A method for solving fuzzy multicriteria decision problems with dependent criteria. Fuzzy Optimization and Decision Making, 2010, 9, 123-141.	3.4	37
9	Generalized Concavity in Fuzzy Optimization and Decision Analysis. Profiles in Operations Research, 2002, , .	0.3	35
10	A single- and a multi-valued order on fuzzy numbers and its use in linear programming with fuzzy coefficients. Fuzzy Sets and Systems, 1993, 57, 203-208.	1.6	33
11	Fuzzy Mathematical Programming: A Unified Approach Based On Fuzzy Relations. Fuzzy Optimization and Decision Making, 2002, 1, 335-346.	3.4	30
12	Extension principle in fuzzy optimization. Fuzzy Sets and Systems, 1986, 19, 29-35.	1.6	29
13	Fuzzy goals and fuzzy alternatives in goal programming problems. Fuzzy Sets and Systems, 2000, 111, 81-86.	1.6	26
14	Optimal solutions in optimization problem with objective function depending on fuzzy parameters. Fuzzy Sets and Systems, 2007, 158, 1873-1881.	1.6	26
15	Pairwise comparison matrix with fuzzy elements on alo-group. Information Sciences, 2015, 297, 236-253.	4.0	26
16	When is the condition of order preservation met?. European Journal of Operational Research, 2019, 277, 248-254.	3.5	24
17	Oblique fuzzy vectors and their use in possibilistic linear programming. Fuzzy Sets and Systems, 2003, 135, 123-150.	1.6	23
18	Pareto-optimality of compromise decisions. Fuzzy Sets and Systems, 2002, 129, 119-127.	1.6	22

#	ARTICLE	IF	CITATIONS
19	Isomorphisms between fuzzy pairwise comparison matrices. <i>Fuzzy Optimization and Decision Making</i> , 2015, 14, 199-209.	3.4	21
20	Canonical fuzzy numbers of dimension two. <i>Fuzzy Sets and Systems</i> , 1993, 54, 167-180.	1.6	19
21	Some new properties of inconsistent pairwise comparisons matrices. <i>International Journal of Approximate Reasoning</i> , 2019, 113, 119-132.	1.9	19
22	Ranking Alternatives by Pairwise Comparisons Matrix and Priority Vector. <i>Scientific Annals of Economics and Business</i> , 2017, 64, 85-95.	0.5	16
23	Pairwise Comparisons Method. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2020, , .	0.3	15
24	Joint canonical fuzzy numbers. <i>Fuzzy Sets and Systems</i> , 1993, 53, 39-47.	1.6	13
25	Intuitionistic fuzzy linear programming and duality: a level sets approach. <i>Fuzzy Optimization and Decision Making</i> , 2016, 15, 457-489.	3.4	13
26	Incomplete Fuzzy Preference Matrix and Its Application to Ranking of Alternatives. <i>International Journal of Intelligent Systems</i> , 2014, 29, 787-806.	3.3	12
27	Microsoft Excel as a Tool for Solving Multicriteria Decision Problems. <i>Procedia Computer Science</i> , 2014, 35, 1455-1463.	1.2	12
28	Decision Making and Optimization. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2015, , .	0.3	12
29	A Numerical Comparison of the Sensitivity of the Geometric Mean Method, Eigenvalue Method, and Bestâ€“Worst Method. <i>Mathematics</i> , 2021, 9, 554.	1.1	11
30	Deriving priority vector from pairwise comparisons matrix with fuzzy elements. <i>Fuzzy Sets and Systems</i> , 2021, 422, 68-82.	1.6	7
31	Aggregation functions and generalized convexity in fuzzy optimization and decision making. <i>Annals of Operations Research</i> , 2012, 195, 261-276.	2.6	6
32	Strong reciprocity and strong consistency in pairwise comparison matrix with fuzzy elements. <i>Fuzzy Optimization and Decision Making</i> , 2018, 17, 337-355.	3.4	6
33	Pairwise Comparison Matrices in Decision-Making. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2020, , 17-65.	0.3	5
34	A Non-controversial Definition of Fuzzy Sets. <i>Lecture Notes in Computer Science</i> , 2004, , 201-207.	1.0	5
35	VAGUELY INTERRELATED COEFFICIENTS IN LP AS A BICRITERIAL OPTIMIZATION PROBLEM. <i>International Journal of General Systems</i> , 1991, 20, 99-114.	1.2	4
36	FDA â€“ Fuzzy Decision Analyzer. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Applications in Decision-Making: Analytic Hierarchy Process – AHP Revisited. Lecture Notes in Economics and Mathematical Systems, 2020, , 189-211.	0.3	2
38	MATHEMATICAL THEORY OF VAGUENESS IN CZECHOSLOVAKIA: A HISTORICAL SURVEY AND BIBLIOGRAPHY. International Journal of General Systems, 1991, 20, 5-15.	1.2	1
39	Concepts of generalized concavity based on triangular norms. Journal of Statistics and Management Systems, 2002, 5, 87-106.	0.3	1
40	Strong consistency in pairwise comparisons matrix with fuzzy elements on alo-group. , 2016, , .		1
41	Pairwise Comparison Matrices in Decision Making. Lecture Notes in Economics and Mathematical Systems, 2015, , 29-90.	0.3	1
42	Dynamic System of Rating Alternatives by Agents with Interactions. Smart Innovation, Systems and Technologies, 2016, , 177-185.	0.5	1
43	Pairwise Comparisons Matrices with Fuzzy and Intuitionistic Fuzzy Elements in Decision-Making. Lecture Notes in Economics and Mathematical Systems, 2020, , 125-170.	0.3	1
44	Bankruptcy problem under uncertainty of claims and estate. Fuzzy Sets and Systems, 2022, , .	1.6	1
45	Fuzzy Linear Programming. , 0, , 689-718.		0
46	Fuzzy Linear Programming and Duality. , 2015, , 131-143.		0
47	Aggregation of Quasiconcave Functions. Advances in Intelligent and Soft Computing, 2010, , 233-244.	0.2	0
48	Incomplete preference matrix with elements from an Alo-group and its application to ranking of alternatives. , 0, , .		0
49	Ranking Alternatives by Pairwise Comparisons Matrix with Fuzzy Elements on Alo-Group. Smart Innovation, Systems and Technologies, 2016, , 371-380.	0.5	0
50	Strict and Strong Consistency in Pairwise Comparisons Matrix with Fuzzy Elements. Smart Innovation, Systems and Technologies, 2018, , 283-292.	0.5	0
51	Pairwise Comparisons Matrices on Alo-Groups in Decision-Making. Lecture Notes in Economics and Mathematical Systems, 2020, , 67-123.	0.3	0
52	Duality in Fuzzy Multiple Objective Linear Programming. , 2006, , 243-250.		0