

Benedetto Matarazzo

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

5,372
citations

159525

30
h-index

138417

58
g-index

84
all docs

84
docs citations

84
times ranked

1729
citing authors

#	ARTICLE	IF	CITATIONS
1	Rough sets theory for multicriteria decision analysis. European Journal of Operational Research, 2001, 129, 1-47.	3.5	1,456
2	Rough approximation of a preference relation by dominance relations. European Journal of Operational Research, 1999, 117, 63-83.	3.5	458
3	Rough approximation by dominance relations. International Journal of Intelligent Systems, 2002, 17, 153-171.	3.3	454
4	Rough sets methodology for sorting problems in presence of multiple attributes and criteria. European Journal of Operational Research, 2002, 138, 247-259.	3.5	378
5	Non-additive robust ordinal regression: A multiple criteria decision model based on the Choquet integral. European Journal of Operational Research, 2010, 201, 277-288.	3.5	169
6	Parameterized rough set model using rough membership and Bayesian confirmation measures. International Journal of Approximate Reasoning, 2008, 49, 285-300.	1.9	121
7	A New Rough Set Approach to Evaluation of Bankruptcy Risk. , 1998, , 121-136.		116
8	Axiomatic characterization of a general utility function and its particular cases in terms of conjoint measurement and rough-set decision rules. European Journal of Operational Research, 2004, 158, 271-292.	3.5	112
9	Assessing non-additive utility for multicriteria decision aid. European Journal of Operational Research, 2004, 158, 734-744.	3.5	102
10	Decision Rule Approach. , 2005, , 507-555.		89
11	An Algorithm for Induction of Decision Rules Consistent with the Dominance Principle. Lecture Notes in Computer Science, 2001, , 304-313.	1.0	85
12	The Use of Rough Sets and Fuzzy Sets in MCDM. Profiles in Operations Research, 1999, , 397-455.	0.3	75
13	Fuzzy Similarity Relation as a Basis for Rough Approximations. Lecture Notes in Computer Science, 1998, , 283-289.	1.0	73
14	Dominance-based Rough Set Approach to decision under uncertainty and time preference. Annals of Operations Research, 2010, 176, 41-75.	2.6	72
15	Extension Of The Rough Set Approach To Multicriteria Decision Support. Infor, 2000, 38, 161-195.	0.5	70
16	The Choquet integral with respect to a level dependent capacity. Fuzzy Sets and Systems, 2011, 175, 1-35.	1.6	70
17	Rough Sets in Decision Making. , 2009, , 7753-7787.		70
18	Handling Missing Values in Rough Set Analysis of Multi-attribute and Multi-criteria Decision Problems. Lecture Notes in Computer Science, 1999, , 146-157.	1.0	69

#	ARTICLE	IF	CITATIONS
19	Stochastic multi-attribute acceptability analysis (SMAA): an application to the ranking of Italian regions. <i>Regional Studies</i> , 2018, 52, 585-600.	2.5	63
20	Dominance-Based Rough Set Approach as a Proper Way of Handling Graduality in Rough Set Theory. , 2007, , 36-52.		62
21	A New Rough Set Approach to Multicriteria and Multiattribute Classification. <i>Lecture Notes in Computer Science</i> , 1998, , 60-67.	1.0	60
22	Rough Set Analysis of Preference-Ordered Data. <i>Lecture Notes in Computer Science</i> , 2002, , 44-59.	1.0	53
23	Rough Set Based Decision Support. , 2005, , 475-527.		52
24	Multicriterion analysis of preferences by means of pairwise actions and criterion comparisons (MAPPACC). <i>Applied Mathematics and Computation</i> , 1986, 18, 119-141.	1.4	49
25	Dominance-Based Rough Set Approach to Interactive Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , 2008, , 121-155.	1.0	47
26	Measuring expected effects of interventions based on decision rules. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2005, 17, 103-118.	1.8	46
27	Rough set and rule-based multicriteria decision aiding. <i>Pesquisa Operacional</i> , 2012, 32, 213-270.	0.1	45
28	Other Outranking Approaches. , 2005, , 197-259.		43
29	Preference ranking global frequencies in multicriterion analysis (Pragma). <i>European Journal of Operational Research</i> , 1988, 36, 36-49.	3.5	42
30	jMAF - Dominance-Based Rough Set Data Analysis Framework. <i>Intelligent Systems Reference Library</i> , 2013, , 185-209.	1.0	39
31	Rough Set Processing of Vague Information Using Fuzzy Similarity Relations. , 2000, , 149-173.		38
32	Dominance-Based Rough Set Approach to Reasoning About Ordinal Data. <i>Lecture Notes in Computer Science</i> , 2007, , 5-11.	1.0	36
33	Dominance-Based Rough Set Approach to Case-Based Reasoning. <i>Lecture Notes in Computer Science</i> , 2006, , 7-18.	1.0	35
34	Decision Rule Approach. <i>Profiles in Operations Research</i> , 2016, , 497-552.	0.3	33
35	Sustainable Use and Conservation of the Environmental Resources of the Etna Park (UNESCO) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2020, 12, 1453.	1.6	33
36	Preference Representation by Means of Conjoint Measurement and Decision Rule Model. <i>Profiles in Operations Research</i> , 2002, , 263-313.	0.3	32

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37	Customer satisfaction analysis based on rough set approach. Journal of Business Economics, 2007, 77, 325-339.	1.3	31
38	Fuzzy Extension of the Rough Set Approach to Multicriteria and Multiattribute Sorting. Studies in Fuzziness and Soft Computing, 2000, , 131-151.	0.6	31
39	Operating Rules of an Irrigation Purposes Reservoir Using Multi-Objective Optimization. Water Resources Management, 2008, 22, 551-564.	1.9	28
40	Exploitation of a Rough Approximation of the Outranking Relation in Multicriteria Choice and Ranking. Lecture Notes in Economics and Mathematical Systems, 1998, , 45-60.	0.3	28
41	Rough Set Approach to Multi-Attribute Choice and Ranking Problems. Lecture Notes in Economics and Mathematical Systems, 1997, , 318-329.	0.3	28
42	Dominance-Based Rough Set Approach to Knowledge Discovery (I): General Perspective. , 2004, , 513-552.		28
43	Beyond Markowitz with multiple criteria decision aiding. Journal of Business Economics, 2013, 83, 29-60.	1.3	27
44	Rough-Set-Based Decision Support. , 2014, , 557-609.		25
45	Mappac as a compromise between outranking methods and mau. European Journal of Operational Research, 1991, 54, 48-65.	3.5	18
46	Interactive Evolutionary Multiobjective Optimization using Dominance-based Rough Set Approach. , 2010, , .		18
47	Global investing risk: a case study of knowledge assessment via rough sets. Annals of Operations Research, 2011, 185, 105-138.	2.6	18
48	Dominance-Based Rough Set Approach to Decision Involving Multiple Decision Makers. Lecture Notes in Computer Science, 2006, , 306-317.	1.0	17
49	Variable Consistency Monotonic Decision Trees. Lecture Notes in Computer Science, 2002, , 247-254.	1.0	17
50	Granular Computing for Reasoning about Ordered Data: The Dominance-Based Rough Set Approach. , 0, , 347-373.		15
51	Dominance-Based Rough Set Approach to Knowledge Discovery (II): Extensions and Applications. , 2004, , 553-612.		13
52	Robust ordinal regression for decision under risk and uncertainty. Journal of Business Economics, 2016, 86, 55-83.	1.3	12
53	The Bipolar Complemented de Morgan Brouwer-Zadeh Distributive Lattice as an Algebraic Structure for the Dominance-based Rough Set Approach. Fundamenta Informaticae, 2012, 115, 25-56.	0.3	11
54	Rough Set Methodology for Decision Aiding. , 2015, , 349-370.		11

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55	Generalizing Rough Set Theory Through Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2005, , 1-11.	1.0	11
56	Fuzzy Set Extensions of the Dominance-Based Rough Set Approach. , 2008, , 239-261.		11
57	Algebra and Topology for Dominance-Based Rough Set Approach. Studies in Computational Intelligence, 2010, , 43-78.	0.7	10
58	Dominance-Based Rough Set Approach on Pairwise Comparison Tables to Decision Involving Multiple Decision Makers. Lecture Notes in Computer Science, 2011, , 126-135.	1.0	10
59	Rough Set Approach to Customer Satisfaction Analysis. Lecture Notes in Computer Science, 2006, , 284-295.	1.0	9
60	Algebraic Structures for Dominance-Based Rough Set Approach. , 2008, , 252-259.		8
61	On Topological Dominance-based Rough Set Approach. Lecture Notes in Computer Science, 2010, , 21-45.	1.0	8
62	Dominance-Based Rough Set Approach to Interactive Evolutionary Multiobjective Optimization. Studies in Fuzziness and Soft Computing, 2010, , 225-260.	0.6	7
63	Explainable Interactive Evolutionary Multiobjective Optimization. SSRN Electronic Journal, 0, , .	0.4	7
64	Case-Based Reasoning Using Gradual Rules Induced from Dominance-Based Rough Approximations. , 2008, , 268-275.		6
65	Dominance-Based Rough Set Approach and Bipolar Abstract Rough Approximation Spaces. Lecture Notes in Computer Science, 2008, , 31-40.	1.0	6
66	Rough Sets in Decision Making. , 2012, , 2727-2760.		6
67	A Summary and Update of ‘Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach’, , 2010, , .		5
68	The Most Representative Utility Function for Non-Additive Robust Ordinal Regression. Lecture Notes in Computer Science, 2010, , 220-229.	1.0	5
69	Rule-Based Decision Support in Multicriteria Choice and Ranking. Lecture Notes in Computer Science, 2001, , 29-47.	1.0	4
70	Other Outranking Approaches. Profiles in Operations Research, 2016, , 221-282.	0.3	4
71	Distinguishing Vagueness from Ambiguity in Rough Set Approximations. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2018, 26, 89-125.	0.9	3
72	An application of the SMAA ‘Choquet method to evaluate the performance of sailboats in offshore regattas. Operational Research, 2020, 20, 771-793.	1.3	3

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73	Interactive Multiobjective Mixed-Integer Optimization Using Dominance-Based Rough Set Approach. Lecture Notes in Computer Science, 2011, , 241-253.	1.0	3
74	Comments on: Multicriteria decision systems for financial problems. Top, 2013, 21, 268-274.	1.1	2
75	Distinguishing Vagueness from Ambiguity by Means of Pawlak-Brouwer-Zadeh Lattices. Communications in Computer and Information Science, 2012, , 624-632.	0.4	1
76	Distinguishing Vagueness from Ambiguity in Dominance-Based Rough Set Approach by Means of a Bipolar Pawlak-Brouwer-Zadeh Lattice. Lecture Notes in Computer Science, 2017, , 81-93.	1.0	1
77	Ordinal Qualitative Scales. Lecture Notes in Economics and Mathematical Systems, 2010, , 269-276.	0.3	0
78	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2012, , 1347-1368.		0
79	Rough Sets in Decision Making. , 2015, , 1-47.		0
80	Granular Computing and Data Mining for Ordered Data: The Dominance-Based Rough Set Approach. , 2019, , 1-30.		0