

Michel Grabisch

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3967619/publications.pdf>

Version: 2024-02-01

138
papers

7,255
citations

156536

32
h-index

78623

77
g-index

144
all docs

144
docs citations

144
times ranked

2384
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of TU games with stable cores by nested balancedness. <i>Mathematical Programming</i> , 2024, 203, 801-826.	1.6	1
2	On the convex hull of k -additive 0-1 capacities and its application to model identification in decision making. <i>Fuzzy Sets and Systems</i> , 2022, 451, 228-252.	1.6	1
3	Diffusion in large networks. <i>Journal of Economic Dynamics and Control</i> , 2022, 139, 104439.	0.9	1
4	Threshold model with anticonformity under random sequential updating. <i>Physical Review E</i> , 2022, 105, .	0.8	3
5	4OR comes of age. <i>4or</i> , 2021, 19, 1-13.	1.0	1
6	Preface: SING 14. <i>Annals of Operations Research</i> , 2021, 301, 1-4.	2.6	0
7	Interaction indices for multichoice games. <i>Fuzzy Sets and Systems</i> , 2020, 383, 1-26.	1.6	2
8	The multilinear model in multicriteria decision making: The case of 2-additive capacities and contributions to parameter identification. <i>European Journal of Operational Research</i> , 2020, 282, 945-956.	3.5	16
9	Anti-conformism in the Threshold Model of Collective Behavior. <i>Dynamic Games and Applications</i> , 2020, 10, 444-477.	1.1	9
10	A Survey on Nonstrategic Models of Opinion Dynamics. <i>Games</i> , 2020, 11, 65.	0.4	20
11	k -additive upper approximation of TU-games. <i>Operations Research Letters</i> , 2020, 48, 487-492.	0.5	3
12	An Unsupervised Capacity Identification Approach Based on Sobol' Indices. <i>Lecture Notes in Computer Science</i> , 2020, , 66-77.	1.0	0
13	Interpretation of Multicriteria Decision Making Models with Interacting Criteria. <i>Multiple Criteria Decision Making</i> , 2019, , 151-176.	0.6	2
14	The cone of supermodular games on finite distributive lattices. <i>Discrete Applied Mathematics</i> , 2019, 260, 144-154.	0.5	4
15	New Directions in Ordinal Evaluation: Sugeno Integrals and Beyond. <i>Multiple Criteria Decision Making</i> , 2019, , 177-228.	0.6	4
16	On importance indices in multicriteria decision making. <i>European Journal of Operational Research</i> , 2019, 277, 269-283.	3.5	3
17	A model of anonymous influence with anti-conformist agents. <i>Journal of Economic Dynamics and Control</i> , 2019, 109, 103773.	0.9	11
18	Sweet sixteen. <i>4or</i> , 2018, 16, 1-13.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Strategic Influence in Social Networks. <i>Mathematics of Operations Research</i> , 2018, 43, 29-50.	0.8	42
20	Monotone decomposition of 2-additive Generalized Additive Independence models. <i>Mathematical Social Sciences</i> , 2018, 92, 64-73.	0.3	3
21	On a class of vertices of the core. <i>Games and Economic Behavior</i> , 2018, 108, 541-557.	0.4	2
22	Using multiple reference levels in Multi-Criteria Decision aid: The Generalized-Additive Independence model and the Choquet integral approaches. <i>European Journal of Operational Research</i> , 2018, 267, 598-611.	3.5	20
23	Surveys in operations research. <i>Annals of Operations Research</i> , 2018, 271, 3-10.	2.6	3
24	An Axiomatisation of the Banzhaf Value and Interaction Index for Multichoice Games. <i>Lecture Notes in Computer Science</i> , 2018, , 143-155.	1.0	3
25	On integer-valued means and the symmetric maximum. <i>Aequationes Mathematicae</i> , 2017, 91, 353-371.	0.4	2
26	A note on the Sobol' indices and interactive criteria. <i>Fuzzy Sets and Systems</i> , 2017, 315, 99-108.	1.6	3
27	Game Theoretic Interaction and Decision: A Quantum Analysis. <i>Games</i> , 2017, 8, 48.	0.4	4
28	Axiomatization of an Importance Index for Generalized Additive Independence Models. <i>Lecture Notes in Computer Science</i> , 2017, , 340-350.	1.0	3
29	An Alternative View of Importance Indices for Multichoice Games. <i>Lecture Notes in Computer Science</i> , 2017, , 81-92.	1.0	2
30	Games on concept lattices: Shapley value and core. <i>Discrete Applied Mathematics</i> , 2016, 198, 29-47.	0.5	16
31	Remarkable polyhedra related to set functions, games and capacities. <i>Top</i> , 2016, 24, 301-326.	1.1	2
32	A brand new cheating attempt: a case of usurped identity. <i>4or</i> , 2016, 14, 333-336.	1.0	9
33	Rejoinder on: Remarkable polyhedra related to set functions, games and capacities. <i>Top</i> , 2016, 24, 335-337.	1.1	0
34	Multicoalitional solutions. <i>Journal of Mathematical Economics</i> , 2016, 64, 1-10.	0.4	3
35	Set Functions, Games and Capacities in Decision Making. <i>Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research</i> , 2016, , .	0.2	124
36	Characterizations of solutions for games with precedence constraints. <i>International Journal of Game Theory</i> , 2016, 45, 269-290.	0.5	7

#	ARTICLE	IF	CITATIONS
37	Bases and Transforms of Set Functions. <i>Studies in Fuzziness and Soft Computing</i> , 2016, , 215-231.	0.6	0
38	Bases and linear transforms of TU-games and cooperation systems. <i>International Journal of Game Theory</i> , 2016, 45, 875-892.	0.5	4
39	Fuzzy Measures and Integrals in MCDA. <i>Profiles in Operations Research</i> , 2016, , 553-603.	0.3	38
40	The Core for Games with Cooperation Structure. <i>Lecture Notes in Computer Science</i> , 2016, , 172-188.	1.0	0
41	Finding the Set of k -additive Dominating Measures Viewed as a Flow Problem. <i>Communications in Computer and Information Science</i> , 2016, , 11-22.	0.4	0
42	Autonomous coalitions. <i>Annals of Operations Research</i> , 2015, 235, 301-317.	2.6	4
43	An allocation rule for dynamic random network formation processes. <i>Economic Theory</i> , 2015, 60, 283-313.	0.5	3
44	Editorial: Contributions to game theory and social choice. <i>Annals of Operations Research</i> , 2015, 225, 1-2.	2.6	0
45	Preserving coalitional rationality for non-balanced games. <i>International Journal of Game Theory</i> , 2015, 44, 733-760.	0.5	6
46	Lattices in Social Networks with Influence. <i>International Game Theory Review</i> , 2015, 17, 1540004.	0.3	0
47	Fuzzy Measures and Integrals: Recent Developments. <i>Studies in Fuzziness and Soft Computing</i> , 2015, , 125-151.	0.6	7
48	Exact bounds of the Möbius inverse of monotone set functions. <i>Discrete Applied Mathematics</i> , 2015, 186, 7-12.	0.5	12
49	A Comparison of the GAI Model and the Choquet Integral w.r.t. a k -ary Capacity. <i>Lecture Notes in Computer Science</i> , 2015, , 54-65.	1.0	0
50	On the restricted cores and the bounded core of games on distributive lattices. <i>European Journal of Operational Research</i> , 2014, 235, 709-717.	3.5	7
51	On the Poset of Computation Rules for Nonassociative Calculus. <i>Order</i> , 2013, 30, 269-288.	0.3	3
52	A note on values for Markovian coalition processes. <i>Economic Theory Bulletin</i> , 2013, 1, 111-122.	0.2	3
53	A concise axiomatization of a Shapley-type value for stochastic coalition processes. <i>Economic Theory Bulletin</i> , 2013, 1, 189-199.	0.2	2
54	Anonymous social influence. <i>Games and Economic Behavior</i> , 2013, 82, 621-635.	0.4	10

#	ARTICLE	IF	CITATIONS
55	A model of influence based on aggregation functions. <i>Mathematical Social Sciences</i> , 2013, 66, 316-330.	0.3	23
56	Using a multi-criteria decision aid methodology to implement sustainable development principles within an organization. <i>European Journal of Operational Research</i> , 2013, 224, 603-613.	3.5	60
57	The core of games on ordered structures and graphs. <i>Annals of Operations Research</i> , 2013, 204, 33-64.	2.6	22
58	A study of the dynamic of influence through differential equations. <i>RAIRO - Operations Research</i> , 2012, 46, 83-106.	1.0	2
59	The bounded core for games with precedence constraints. <i>Annals of Operations Research</i> , 2012, 201, 251-264.	2.6	12
60	Values for Markovian coalition processes. <i>Economic Theory</i> , 2012, 51, 505-538.	0.5	9
61	An algorithm for finding the vertices of the $\langle \text{si} \rangle$ gr $\text{display}=\text{"inline"}$ $\text{overflow}=\text{scroll}$ $\text{xmlns:xocs}=\text{"http://www.elsevier.com/xml/xocs/dtd"}$ $\text{xmlns:xs}=\text{"http://www.w3.org/2001/XMLSchema"}$ $\text{xmlns:xsi}=\text{"http://www.w3.org/2001/XMLSchema-instance"}$ $\text{xmlns}=\text{"http://www.elsevier.com/xml/ja/dtd"}$ $\text{xmlns:ja}=\text{"http://www.elsevier.com/xml/ja/dtd"}$ $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\text{xmlns:tbl}=\text{"http://www.elsevier.com/xml/common/table/dtd"}$ $\text{xmlns:tbl_struct}=\text{"http://www.elsevier.com/xml/common/table-struct/dtd"}$	0.5	3
62	A coalition formation value for games in partition function form. <i>European Journal of Operational Research</i> , 2012, 221, 175-185.	3.5	26
63	A Reduction of the Complexity of Inconsistencies Test in the MACBETH 2-Additive Methodology. <i>Lecture Notes in Computer Science</i> , 2011, , 178-189.	1.0	0
64	Influence functions, followers and command games. <i>Games and Economic Behavior</i> , 2011, 72, 123-138.	0.4	22
65	A model of influence with a continuum of actions. <i>Journal of Mathematical Economics</i> , 2011, 47, 576-587.	0.4	4
66	A characterization of the 2-additive Choquet integral through cardinal information. <i>Fuzzy Sets and Systems</i> , 2011, 184, 84-105.	1.6	47
67	A representation of preferences by the Choquet integral with respect to a 2-additive capacity. <i>Theory and Decision</i> , 2011, 71, 297-324.	0.5	51
68	Ensuring the boundedness of the core of games with restricted cooperation. <i>Annals of Operations Research</i> , 2011, 191, 137-154.	2.6	10
69	The restricted core of games on distributive lattices: how to share benefits in a hierarchy. <i>Mathematical Methods of Operations Research</i> , 2011, 73, 189-208.	0.4	11
70	On the set of imputations induced by the k-additive core. <i>European Journal of Operational Research</i> , 2011, 214, 697-702.	3.5	3
71	A discrete Choquet integral for ordered systems. <i>Fuzzy Sets and Systems</i> , 2011, 168, 3-17.	1.6	16
72	Social Networks: Prestige, Centrality, and Influence. <i>Lecture Notes in Computer Science</i> , 2011, , 22-39.	1.0	43

#	ARTICLE	IF	CITATIONS
73	The lattice of embedded subsets. <i>Discrete Applied Mathematics</i> , 2010, 158, 479-488.	0.5	18
74	A decade of application of the Choquet and Sugeno integrals in multi-criteria decision aid. <i>Annals of Operations Research</i> , 2010, 175, 247-286.	2.6	354
75	A model of influence in a social network. <i>Theory and Decision</i> , 2010, 69, 69-96.	0.5	48
76	A model of influence with an ordered set of possible actions. <i>Theory and Decision</i> , 2010, 69, 635-656.	0.5	24
77	Games on fuzzy communication structures with Choquet players. <i>European Journal of Operational Research</i> , 2010, 207, 836-847.	3.5	24
78	k -Balanced games and capacities. <i>European Journal of Operational Research</i> , 2010, 200, 465-472.	3.5	10
79	Different Approaches to Influence Based on Social Networks and Simple Games. <i>Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research</i> , 2010, , 185-209.	0.2	5
80	Belief functions on lattices. <i>International Journal of Intelligent Systems</i> , 2009, 24, 76-95.	3.3	27
81	The core of games on ordered structures and graphs. <i>4or</i> , 2009, 7, 207-238.	1.0	18
82	Measuring influence in command games. <i>Social Choice and Welfare</i> , 2009, 33, 177-209.	0.4	22
83	Values on regular games under Kirchhoff's laws. <i>Mathematical Social Sciences</i> , 2009, 58, 322-340.	0.3	23
84	The interaction transform for functions on lattices. <i>Discrete Mathematics</i> , 2009, 309, 4037-4048.	0.4	8
85	On the vertices of the k -additive core. <i>Discrete Mathematics</i> , 2008, 308, 5204-5217.	0.4	13
86	A value for bi-cooperative games. <i>International Journal of Game Theory</i> , 2008, 37, 409-438.	0.5	14
87	Comments on: Transversality of the Shapley value. <i>Top</i> , 2008, 16, 44-47.	1.1	0
88	A decade of application of the Choquet and Sugeno integrals in multi-criteria decision aid. <i>4or</i> , 2008, 6, 1-44.	1.0	159
89	How to score alternatives when criteria are scored on an ordinal scale. <i>Journal of Multi-Criteria Decision Analysis</i> , 2008, 15, 31-44.	1.0	5
90	Bipolar and bivariate models in multicriteria decision analysis: Descriptive and constructive approaches. <i>International Journal of Intelligent Systems</i> , 2008, 23, 930-969.	3.3	94

#	ARTICLE	IF	CITATIONS
91	Bipolarization of posets and natural interpolation. Journal of Mathematical Analysis and Applications, 2008, 343, 1080-1097.	0.5	13
92	A review of methods for capacity identification in Choquet integral based multi-attribute utility theory. European Journal of Operational Research, 2008, 186, 766-785.	3.5	333
93	An axiomatization of entropy of capacities on set systems. European Journal of Operational Research, 2008, 190, 526-538.	3.5	12
94	An Empirical Study of Statistical Properties of the Choquet and Sugeno Integrals. IEEE Transactions on Fuzzy Systems, 2008, 16, 839-850.	6.5	27
95	Games on lattices, multichoice games and the shapley value: a new approach. Mathematical Methods of Operations Research, 2007, 65, 153-167.	0.4	44
96	A new approach to the core and Weber set of multichoice games. Mathematical Methods of Operations Research, 2007, 66, 491-512.	0.4	25
97	Derivative of functions over lattices as a basis for the notion of interaction between attributes. Annals of Mathematics and Artificial Intelligence, 2007, 49, 151-170.	0.9	8
98	Generalized Choquet-like aggregation functions for handling bipolar scales. European Journal of Operational Research, 2006, 172, 931-955.	3.5	59
99	Interaction transform for bi-set functions over a finite set. Information Sciences, 2006, 176, 2279-2303.	4.0	2
100	Representation of preferences over a finite scale by a mean operator. Mathematical Social Sciences, 2006, 52, 131-151.	0.3	13
101	CAPACITIES AND GAMES ON LATTICES: A SURVEY OF RESULTS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2006, 14, 371-392.	0.9	10
102	Aggregation on Bipolar Scales. Lecture Notes in Computer Science, 2006, , 355-371.	1.0	7
103	Bi-capacities: definition, Möbius transform and interaction. Fuzzy Sets and Systems, 2005, 151, 211-236.	1.6	141
104	Bi-capacities: the Choquet integral. Fuzzy Sets and Systems, 2005, 151, 237-259.	1.6	112
105	Fuzzy Measures and Integrals in MCDA. Profiles in Operations Research, 2005, , 563-604.	0.3	62
106	THE QUEST FOR RINGS ON BIPOLAR SCALES. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2004, 12, 499-512.	0.9	23
107	The Möbius transform on symmetric ordered structures and its application to capacities on finite sets. Discrete Mathematics, 2004, 287, 17-34.	0.4	69
108	Measure and integral with purely ordinal scales. Journal of Mathematical Psychology, 2004, 48, 15-27.	1.0	20

#	ARTICLE	IF	CITATIONS
109	Evaluation of driver discomfort during long-duration car driving. Applied Ergonomics, 2003, 34, 249-255.	1.7	109
110	The symmetric Sugeno integral. Fuzzy Sets and Systems, 2003, 139, 473-490.	1.6	74
111	On the extension of pseudo-Boolean functions for the aggregation of interacting criteria. European Journal of Operational Research, 2003, 148, 28-47.	3.5	74
112	Modelling data by the Choquet integral. Studies in Fuzziness and Soft Computing, 2003, , 135-148.	0.6	45
113	p-SYMMETRIC FUZZY MEASURES. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2002, 10, 105-123.	0.9	91
114	Set Functions over Finite Sets: Transformations and Integrals. , 2002, , 1381-1401.		8
115	The symmetric and asymmetric Choquet integrals on finite spaces for decision making. Statistical Papers, 2002, 43, 37-52.	0.7	31
116	Subjective Evaluation of Discomfort in Sitting Positions. Fuzzy Optimization and Decision Making, 2002, 1, 287-312.	3.4	54
117	Using the transferable belief model and a qualitative possibility theory approach on an illustrative example: The assessment of the value of a candidate. International Journal of Intelligent Systems, 2001, 16, 1245-1272.	3.3	24
118	HOW TO IMPROVE ACTS: AN ALTERNATIVE REPRESENTATION OF THE IMPORTANCE OF CRITERIA IN MCDM. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2001, 09, 145-157.	0.9	17
119	Equivalent Representations of Set Functions. Mathematics of Operations Research, 2000, 25, 157-178.	0.8	142
120	OPTIMIZATION ISSUES FOR FUZZY MEASURES. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 1999, 07, 545-560.	0.9	50
121	Interaction transform of set functions over a finite set. Information Sciences, 1999, 121, 149-170.	4.0	28
122	An axiomatic approach to the concept of interaction among players in cooperative games. International Journal of Game Theory, 1999, 28, 547-565.	0.5	170
123	Alternative Representations of Discrete Fuzzy Measures for Decision Making. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 1997, 05, 587-607.	0.9	137
124	k-order additive discrete fuzzy measures and their representation. Fuzzy Sets and Systems, 1997, 92, 167-189.	1.6	755
125	The representation of importance and interaction of features by fuzzy measures. Pattern Recognition Letters, 1996, 17, 567-575.	2.6	171
126	The application of fuzzy integrals in multicriteria decision making. European Journal of Operational Research, 1996, 89, 445-456.	3.5	846

#	ARTICLE	IF	CITATIONS
127	Fuzzy integral in multicriteria decision making. Fuzzy Sets and Systems, 1995, 69, 279-298.	1.6	583
128	Classification by fuzzy integral: Performance and tests. Fuzzy Sets and Systems, 1994, 65, 255-271.	1.6	221
129	Fuzzy measure of fuzzy events defined by fuzzy integrals. Fuzzy Sets and Systems, 1992, 50, 293-313.	1.6	105
130	Anonymous Social Influence. SSRN Electronic Journal, 0, , .	0.4	1
131	Anti-Conformism in the threshold Model of Collective Behavior. SSRN Electronic Journal, 0, , .	0.4	1
132	Measuring Influence Among Players with an Ordered Set of Possible Actions. SSRN Electronic Journal, 0, , .	0.4	5
133	A Model of Influence with a Continuum of Actions. SSRN Electronic Journal, 0, , .	0.4	3
134	A Model of Influence with a Continuum of Actions. SSRN Electronic Journal, 0, , .	0.4	0
135	The Positive Core for Games with Precedence Constraints. SSRN Electronic Journal, 0, , .	0.4	0
136	On a Class of Vertices of the Core. SSRN Electronic Journal, 0, , .	0.4	0
137	Well-formed decompositions of generalized additive independence models. Annals of Operations Research, 0, , 1.	2.6	0
138	Sixty-one surveys in operations research. Annals of Operations Research, 0, , .	2.6	0