Keith W Hipel

List of Publications by Year
in descending order

338	8,075	53660	88477
papers	citations	45 h-index	70 g-index

344	344	344	2947
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The graph model for conflicts. Automatica, 1987, 23, 41-55.	3.0	290
2	Solving Complex Conflicts. IEEE Transactions on Systems, Man, and Cybernetics, 1979, 9, 805-816.	0.9	267
3	Basin-wide cooperative water resources allocation. European Journal of Operational Research, 2008, 190, 798-817.	3.5	167
4	The decision support system GMCR in environmental conflict management. Applied Mathematics and Computation, 1997, 83, 117-152.	1.4	152
5	The Graph Model for Conflict Resolution: Past, Present, and Future. Group Decision and Negotiation, 2005, 14, 441-460.	2.0	149
6	Coalition Analysis in Group Decision Support. Group Decision and Negotiation, 2001, 10, 159-175.	2.0	140
7	Strength of Preference in the Graph Model for Conflict Resolution. Group Decision and Negotiation, 2004, 13, 449-462.	2.0	125
8	Exploring social dimensions of municipal solid waste management around the globe â€“ A systematic literature review. Waste Management, 2016, 56, 3-12.	3.7	125
9	Non-Cooperative Stability Definitions for Strategic Analysis of Generic Water Resources Conflicts. Water Resources Management, 2011, 25, 1949-1977.	1.9	121
10	A case-based distance model for multiple criteria ABC analysis. Computers and Operations Research, 2008, 35, 776-796.	2.4	119
11	An analysis of influencing factors on municipal solid waste source-separated collection behavior in Guilin, China by Using the Theory of Planned Behavior. Sustainable Cities and Society, 2018, 37, 336-343.	5.1	117
12	Fuzzy Preferences in the Graph Model for Conflict Resolution. IEEE Transactions on Fuzzy Systems, 2012, 20, 760-770.	6.5	113
13	Grey-Based Preference in a Graph Model for Conflict Resolution With Multiple Decision Makers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1254-1267.	5.9	97
14	Coalition analysis in the graph model for conflict resolution. Systems Engineering, 2008, 11, 343-359.	1.6	94
15	Developing Composite Indicators for Agricultural Sustainability Assessment: Effect of Normalization and Aggregation Techniques. Resources, 2017, 6, 66.	1.6	90
16	Conflict models in graph form: Solution concepts and their interrelationships. European Journal of Operational Research, 1989, 41, 86-100.	3.5	86
17	Strength of preference in graph models for multiple-decision-maker conflicts. Applied Mathematics and Computation, 2006, 179, 314-327.	1.4	84
18	Conflict analysis approaches for investigating attitudes and misperceptions in the War of 1812. Journal of Systems Science and Systems Engineering, 2007, 16, 181-201.	0.8	84

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19	Matrix Representation of Solution Concepts in Multiple-Decision-Maker Graph Models. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 96-108.	3.4	81
20	Modeling misperceptions in games. Systems Research and Behavioral Science, 1988, 33, 207-223.	0.2	77
21	Status quo analysis in the graph model for conflict resolution. Journal of the Operational Research Society, 2005, 56, 699-707.	2.1	77
22	Grey-based PROMETHEE II with application to evaluation of source water protection strategies. Information Sciences, 2015, 294, 376-389.	4.0	74
23	The Future of Systems, Man, and Cybernetics: Application Domains and Research Methods. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 726-743.	3.3	71
24	Interrelationships among noncooperative and coalition stability concepts. Journal of Systems Science and Systems Engineering, 2008, 17, 1-29.	0.8	69
25	MULTIPLE OBJECTIVE DECISION MAKING IN WATER RESOURCES. Journal of the American Water Resources Association, 1992, 28, 3-12.	1.0	68
26	Trend analysis methodology for water quality time series. Environmetrics, 1991, 2, 169-200.	0.6	66
27	TREND ASSESSMENT OF WATER QUALITY TIME SERIES. Journal of the American Water Resources Association, 1983, 19, 537-547.	1.0	65
28	Solution concepts in hypergames. Applied Mathematics and Computation, 1989, 34, 147-171.	1.4	65
29	Conflict Resolution in Construction Disputes Using the Graph Model. Journal of Construction Engineering and Management - ASCE, 2006, 132, 1043-1052.	2.0	65
30	The Role of Emotions in Envisioning Outcomes in Conflict Analysis. Group Decision and Negotiation, 2005, 14, 481-500.	2.0	63
31	Inverse Approach to the Graph Model for Conflict Resolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 734-742.	5.9	63
32	Advanced Decision Support for the Graph Model for Conflict Resolution. Journal of Decision Systems, 2015, 24, 117-145.	2.2	62
33	Mathematical Programming Approaches for Modeling Water Rights Allocation. Journal of Water Resources Planning and Management - ASCE, 2007, 133, 50-59.	1.3	61
34	Development trend forecasting for coherent light generator technology based on patent citation network analysis. Scientometrics, 2017, 111, 297-315.	1.6	60
35	Integrating Uncertain Preferences into Status Quo Analysis with Applications to an Environmental Conflict. Group Decision and Negotiation, 2005, 14, 461-479.	2.0	59
36	Modeling the Caspian Sea Negotiations. Group Decision and Negotiation, 2010, 19, 149-168.	2.0	59

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37	Conflict Resolution Using the Graph Model: Strategic Interactions in Competition and Cooperation. Studies in Systems, Decision and Control, 2018, , .	0.8	58
38	A strategic classification support system for brownfield redevelopment. Environmental Modelling and Software, 2009, 24, 647-654.	1.9	50
39	Robustness and information levels in case-based multiple criteria sorting. European Journal of Operational Research, 2010, 202, 841-852.	3.5	50
40	Fuzzy option prioritization for the graph model for conflict resolution. Fuzzy Sets and Systems, 2014, 246, 34-48.	1.6	50
41	Status quo analysis of the Flathead River conflict. Water Resources Research, 2004, 40, .	1.7	49
42	A case-based distance method for screening in multiple-criteria decision aidâ˜†. Omega, 2008, 36, 373-383.	3.6	47
43	An improved grey relational analysis approach for panel data clustering. Expert Systems With Applications, 2015, 42, 9105-9116.	4.4	47
44	Modeling Fuzzy and Interval Fuzzy Preferences Within a Graph Model Framework. IEEE Transactions on Fuzzy Systems, 2016, 24, 765-778.	6.5	47
45	Screening in multiple criteria decision analysis. Decision Support Systems, 2008, 45, 278-290.	3.5	46
46	Decision Support Systems in Water Resources and Environmental Management. Journal of Hydrologic Engineering - ASCE, 2008, 13, 761-770.	0.8	46
47	An integrated multiple criteria preference ranking approach to the Canadian west coast port congestion conflict. Expert Systems With Applications, 2012, 39, 9181-9190.	4.4	45
48	Combining strength and uncertainty for preferences in the graph model for conflict resolution with multiple decision makers. Theory and Decision, 2010, 69, 497-521.	0.5	44
49	Using matrices to link conflict evolution and resolution in a graph model. European Journal of Operational Research, 2010, 207, 318-329.	3.5	44
50	Conflict analysis in environmental management. Environmetrics, 2011, 22, 279-293.	0.6	44
51	An Interactive Portfolio Decision Analysis Approach for System-of-Systems Architecting Using the Graph Model for Conflict Resolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1328-1346.	5.9	44
52	Water Diversion Conflicts in China: A Hierarchical Perspective. Water Resources Management, 2014, 28, 1823-1837.	1.9	44
53	The Graph Model for Conflict Resolution: Reflections on Three Decades of Development. Group Decision and Negotiation, 2020, 29, 11-60.	2.0	44
54	Attitude-Based Negotiation Methodology for the Management of Construction Disputes. Journal of Management in Engineering - ASCE, 2010, 26, 114-122.	2.6	43

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55	A general hierarchical graph model for conflict resolution with application to greenhouse gas emission disputes between USA and China. European Journal of Operational Research, 2017, 257, 919-932.	3.5	43
56	Metagame Analysis of the Poplar River Conflict. Journal of the Operational Research Society, 1980, 31, 377-385.	2.1	42
57	Adaptive Systems Thinking in Integrated Water Resources Management with Insights into Conflicts over Water Exports. Infor, 2008, 46, 51-69.	0.5	42
58	Nationalization of the Suez Canal. Journal of Conflict Resolution, 1980, 24, 477-493.	1.1	41
59	Multiple-Criteria Sorting Using Case-Based Distance Models With an Application in Water Resources Management. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 680-691.	3.4	41
60	Multiple levels of preference in interactive strategic decisions. Discrete Applied Mathematics, 2009, 157, 3300-3313.	0.5	41
61	Fuzzy preferences in conflicts. Journal of Systems Science and Systems Engineering, 2008, 17, 257-276.	0.8	40
62	Establishment and optimization of an evaluation index system for brownfield redevelopment projects: An empirical study. Environmental Modelling and Software, 2015, 74, 173-182.	1.9	40
63	Using multiâ€criteria decision analysis for assessing sustainability of agricultural systems. Sustainable Development, 2018, 26, 781-799.	6.9	40
64	Metagame analysis of the Garrison Conflict. Water Resources Research, 1980, 16, 629-637.	1.7	39
65	Elimination Method of Multi-Criteria Decision Analysis (MCDA): A Simple Methodological Approach for Assessing Agricultural Sustainability. Sustainability, 2017, 9, 287.	1.6	39
66	A matrix approach to status quo analysis in the graph model for conflict resolution. Applied Mathematics and Computation, 2009, 212, 470-480.	1.4	38
67	Strategic analysis of a water rights conflict in the south western United States. Journal of Environmental Management, 2016, 180, 247-256.	3.8	38
68	Agent-Based Modeling of Competitive and Cooperative Behavior Under Conflict. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 834-850.	5.9	37
69	The graph model for conflict resolution with information-gap uncertainty in preferences. Applied Mathematics and Computation, 2002, 126, 319-340.	1.4	36
70	Multiple criteria classification with an application in water resources planning. Computers and Operations Research, 2006, 33, 3301-3323.	2.4	36
71	Strategic Investigations of Water Conflicts in the Middle East. Group Decision and Negotiation, 2014, 23, 355-376.	2.0	36
72	Transboundary Water Policies: Assessment, Comparison and Enhancement. Water Resources Management, 2008, 22, 1069-1087.	1.9	35

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73	Matrix Representation of Conflict Resolution in Multiple-Decision-Maker Graph Models with Preference Uncertainty. Group Decision and Negotiation, 2011, 20, 755-779.	2.0	35
74	Power asymmetry in conflict resolution with application to a water pollution dispute in <scp>C</scp>hina. Water Resources Research, 2015, 51, 8627-8645.	1.7	35
75	A procedure for analyzing hypergames. European Journal of Operational Research, 1984, 18, 111-122.	3.5	34
76	Interval fuzzy preferences in the graph model for conflict resolution. Fuzzy Optimization and Decision Making, 2018, 17, 287-315.	3.4	33
77	TIME SERIES ANALYSIS IN PERSPECTIVE. Journal of the American Water Resources Association, 1985, 21, 609-623.	1.0	32
78	System of Systems Engineering and Risk Management of Extreme Events: Concepts and Case Study. Risk Analysis, 2012, 32, 1935-1955.	1.5	32
79	A dataâ€centric capabilityâ€focused approach for systemâ€ofâ€systems architecture modeling and analysis. Systems Engineering, 2013, 16, 363-377.	1.6	32
80	Trade versus the environment: Strategic settlement from a systems engineering perspective. Systems Engineering, 2005, 8, 211-233.	1.6	31
81	Generalized metarationalities in the graph model for conflict resolution. Discrete Applied Mathematics, 2006, 154, 2430-2443.	0.5	31
82	A Decision Rule Aggregation Approach to Multiple Criteria-Multiple Participant Sorting. Group Decision and Negotiation, 2012, 21, 727-745.	2.0	31
83	Risk and Systems Theory. Risk Analysis, 2002, 22, 1043-1057.	1.5	30
84	Water Allocation among Multiple Stakeholders: Conflict Analysis of the Waiahole Water Project, Hawaii. International Journal of Water Resources Development, 2005, 21, 283-295.	1.2	29
85	Strategic decision making for improved environmental security: Coalitions and attitudes. Journal of Systems Science and Systems Engineering, 2009, 18, 461-476.	0.8	29
86	Negotiation support using the Decision Support System GMCR. Group Decision and Negotiation, 1996, 5, 371-383.	2.0	28
87	Policy Equilibrium and Generalized Metarationalities for Multiple Decision-Maker Conflicts. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 456-463.	3.4	28
88	Incorporating Water Demand Management into a Cooperative Water Allocation Framework. Water Resources Management, 2016, 30, 2997-3012.	1.9	28
89	Long short term memory networks for short-term electric load forecasting. , 2017, , .		28
90	A coalition analysis algorithm with application to the Zimbabwe conflict. IEEE Transactions on Systems, Man, and Cybernetics, 1983, SMC-13, 338-352.	0.9	27

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91	GAME-THEORETIC ANALYSES OF ENFORCEMENT OF ENVIRONMENTAL LAWS AND REGULATIONS. Journal of the American Water Resources Association, 1992, 28, 141-153.	1.0	27
92	On Achieving Fairness in the Allocation of Scarce Resources: Measurable Principles and Multiple Objective Optimization Approaches. IEEE Systems Journal, 2007, 1, 17-28.	2.9	27
93	Matrix representations of the inverse problem in the graph model for conflict resolution. European Journal of Operational Research, 2018, 270, 282-293.	3.5	27
94	An ordinal classification of brownfield remediation projects in China for the allocation of government funding. Land Use Policy, 2018, 77, 220-230.	2.5	27
95	Project portfolio selection and scheduling under a fuzzy environment. Memetic Computing, 2019, 11, 391-406.	2.7	27
96	A New Approach to Coalition Analysis Within the Graph Model. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2231-2241.	5.9	27
97	Systems Management Study of a Private Brownfield Renovation. Journal of the Urban Planning and Development Division, ASCE, 2010, 136, 249-260.	0.8	26
98	Health impacts of climate change on smallholder farmers. One Health, 2021, 13, 100258.	1.5	26
99	Hypergame Analysis of the Falkland/Malvinas Conflict. International Studies Quarterly, 1988, 32, 335.	0.8	25
100	Perceptual Graph Model Systems. Group Decision and Negotiation, 2009, 18, 261-277.	2.0	25
101	Negotiation over Costs and Benefits in Brownfield Redevelopment. Group Decision and Negotiation, 2011, 20, 509-524.	2.0	25
102	An extreme-distance approach to multiple criteria ranking. Mathematical and Computer Modelling, 2011, 53, 646-658.	2.0	25
103	A hierarchical multiple criteria model for eliciting relative preferences in conflict situations. Journal of Systems Science and Systems Engineering, 2012, 21, 56-76.	0.8	25
104	Strategic analysis of a brownfield revitalization conflict using the grey-based graph model for conflict resolution. EURO Journal on Decision Processes, 2015, 3, 219-248.	1.8	25
105	A case-based reasoning system for conflict resolution: design and implementation. Engineering Applications of Artificial Intelligence, 2002, 15, 369-383.	4.3	24
106	Advances in Drama Theory for Managing Global Hazards and Disasters. Part I: Theoretical Foundation. Group Decision and Negotiation, 2009, 18, 303-316.	2.0	24
107	Matrix representation and extension of coalition analysis in group decision support. Computers and Mathematics With Applications, 2010, 60, 1164-1176.	1.4	24
108	System of systems approach to policy development for global food security. Journal of Systems Science and Systems Engineering, 2010, 19, 1-21.	0.8	24

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109	The graph model for conflict resolution with incomplete fuzzy reciprocal preference relations. Fuzzy Sets and Systems, 2019, 377, 52-70.	1.6	24
110	Conflict Analysis Methods: The Graph Model for Conflict Resolution. Advances in Group Decision and Negotation, 2010, , 203-222.	0.1	24
111	The Pacific Salmon Treaty: A Century of Debate and an Uncertain Future. Group Decision and Negotiation, 2005, 14, 501-522.	2.0	23
112	Strategic analysis of the Kyoto Protocol. , 2007, , .		23
113	Strategic Insights into the Jordan River Conflict. , 2007, , .		23
114	Computerized DSS for Construction Conflict Resolution under Uncertainty. Journal of Construction Engineering and Management - ASCE, 2010, 136, 1249-1257.	2.0	23
115	Agent-Based Modeling Approach to Investigating the Impact of Water Demand Management. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	23
116	A hybrid project portfolio selection procedure with historical performance consideration. Expert Systems With Applications, 2020, 142, 113003.	4.4	23
117	The Graph Model for Conflict Resolution and Decision Support. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 131-141.	5.9	23
118	A Conflict Analysis of the Suez Canal Invasion of 1956. Conflict Management and Peace Science, 1980, 5, 27-40.	1.0	22
119	Hypergame Analysis of the Lake Biwa Conflict. Water Resources Research, 1985, 21, 917-926.	1.7	22
120	Canadian bulk water exports: Analyzing the sun belt conflict using the graph model for conflict resolution. Knowledge, Technology and Policy: the International Journal of Knowledge Transfer and Utilization, 2002, 14, 145-163.	0.5	22
121	A matrix-based approach to searching colored paths in a weighted colored multidigraph. Applied Mathematics and Computation, 2009, 215, 353-366.	1.4	22
122	Facilitating risky project negotiation: An integrated approach using fuzzy real options, multicriteria analysis, and conflict analysis. Information Sciences, 2015, 295, 544-557.	4.0	22
123	Option prioritization for unknown preference. Journal of Systems Science and Systems Engineering, 2016, 25, 39-61.	0.8	22
124	First-Level Hypergame for Investigating Misperception in Conflicts. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2158-2175.	5.9	22
125	Policy Stable States in the Graph Model for Conflict Resolution. Theory and Decision, 2004, 57, 345-365.	0.5	21
126	Shellfish Conflict in Baynes Sound: A Strategic Perspective. Environmental Management, 2004, 34, 474-486.	1.2	21

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127	An integrated algebraic approach to conflict resolution with three-level preference. Applied Mathematics and Computation, 2010, 216, 693-707.	1.4	21
128	Dominating attitudes in the graph model for conflict resolution. Journal of Systems Science and Systems Engineering, 2012, 21, 316-336.	0.8	21
129	The salmon aquaculture conflict in British Columbia: A graph model analysis. Ocean and Coastal Management, 2005, 48, 571-587.	2.0	20
130	Integrated Hydrologic-Economic Modeling of Coalitions of Stakeholders for Water Allocation in the South Saskatchewan River Basin. Journal of Hydrologic Engineering - ASCE, 2008, 13, 781-792.	0.8	20
131	Considering Attitudes in Strategic Negotiation over Brownfield Disputes. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2010, 2, 240-247.	0.9	20
132	A Matrix Representation of Attitudes in Conflicts. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 1328-1342.	5.9	20
133	The PROMETHEE Framework for Comparing the Sustainability of Agricultural Systems. Resources, 2018, 7, 74.	1.6	20
134	Behavioral Analysis in the Graph Model for Conflict Resolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 904-916.	5.9	20
135	Mixed stabilities for analyzing opponentsâ€™ heterogeneous behavior within the graph model for conflict resolution. European Journal of Operational Research, 2019, 277, 621-632.	3.5	19
136	A decision support system for the graph model of conflicts. Theory and Decision, 1990, 28, 289-311.	0.5	18
137	Strategic analysis of the James Bay hydro-electric dispute in Canada. Canadian Journal of Civil Engineering, 2005, 32, 868-880.	0.7	18
138	Systems methodology for resolving water conflicts: the Zhanghe River water allocation dispute in China. International Journal of Water Resources Development, 2015, 31, 106-119.	1.2	18
139	Probabilistic Composition of Preferences in the Graph Model with Application to the New Recife Project. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2017, 9, .	0.9	18
140	Strategic Analyses of the Hydropolitical Conflicts Surrounding the Grand Ethiopian Renaissance Dam. Group Decision and Negotiation, 2019, 28, 305-340.	2.0	18
141	Modeling action-interdependence in multiple criteria decision making. European Journal of Operational Research, 1998, 110, 490-508.	3.5	17
142	Devils lake emergency outlet diversion conflict. Journal of Environmental Management, 2011, 92, 437-447.	3.8	17
143	Climate <scp>changeâ€triggered</scp> land degradation and planetary health: A review. Land Degradation and Development, 2021, 32, 4509-4522.	1.8	17
144	Strategic and Dilemma Analyses of a Water Export Conflict. Infor, 2005, 43, 247-270.	0.5	16

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145	Advances in Drama Theory for Managing Global Hazards and Disasters. Part II: Coping with Global Climate Change and Environmental Catastrophe. Group Decision and Negotiation, 2009, 18, 317-334.	2.0	16
146	Combined strategic and tactical negotiation methodology for resolving complex brownfield conflicts. Pesquisa Operacional, 2010, 30, 281-304.	0.1	16
147	Fair water resources allocation with application to the south saskatchewan river basin. Canadian Water Resources Journal, 2013, 38, 47-60.	0.5	16
148	Coalition fuzzy stability analysis in the Graph Model for Conflict Resolution. Journal of Intelligent and Fuzzy Systems, 2015, 29, 593-607.	0.8	16
149	Public participation in municipal solid waste source-separated collection in Guilin, China: status and influencing factors. Journal of Environmental Planning and Management, 2017, 60, 2174-2191.	2.4	16
150	Strategic Analysis of a Regulatory Conflict Using Dempster-Shafer Theory and AHP for Preference Elicitation. Journal of Systems Science and Systems Engineering, 2019, 28, 415-433.	0.8	16
151	COVID-19's implications on agri-food systems and human health in Bangladesh. Current Research in Environmental Sustainability, 2021, 3, 100033.	1.7	16
152	Multi-indicator supply chain management framework for food convergent innovation in the dairy business. Sustainable Futures, 2021, 3, 100045.	1.5	16
153	A formal analysis of the Canada-U.S. softwood lumber dispute. European Journal of Operational Research, 1990, 46, 235-246.	3.5	15
154	Formal Analysis of Multilateral Negotiations Over the Legal Status of the Caspian Sea. Group Decision and Negotiation, 2012, 21, 305-329.	2.0	15
155	Risk reduction in a project portfolio. Journal of Systems Science and Systems Engineering, 2017, 26, 3-22.	0.8	15
156	Graph Model Under Unknown and Fuzzy Preferences. IEEE Transactions on Fuzzy Systems, 2020, 28, 308-320.	6.5	15
157	MODELING HYDROLOGIC TIME SERIES FROM THE ARCTIC. Journal of the American Water Resources Association, 1981, 17, 414-422.	1.0	14
158	Cooperation in conflict analysis. Applied Mathematics and Computation, 1991, 43, 181-206.	1.4	14
159	A Hierarchical Decision Model to Select Quality Control Strategies for a Complex Product. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 814-826.	3.4	14
160	Theory and application of conflict resolution with hybrid preference in colored graphs. Applied Mathematical Modelling, 2013, 37, 989-1003.	2.2	14
161	A strategic analysis of the New Brunswick, Canada fracking controversy. Energy Economics, 2016, 55, 69-78.	5.6	14
162	Construction contract management using value packaging systems. International Journal of Construction Management, 2017, 17, 50-64.	2.2	14

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163	Strategic Insights into the Cauvery River Dispute in India. Sustainability, 2020, 12, 1286.	1.6	14
164	Matrix representation of stability definitions for the graph model for conflict resolution with reciprocal preference relations. Fuzzy Sets and Systems, 2021, 409, 32-54.	1.6	14
165	Multiple Criteria Approaches to Group Decision and Negotiation. Profiles in Operations Research, 2010, , 317-338.	0.3	14
166	NONPARAMETRIC APPROACHES TO ENVIRONMENTAL IMPACT ASSESSMENT. Journal of the American Water Resources Association, 1988, 24, 487-492.	1.0	13
167	Negotiation support using the Graph Model for Conflict Resolution. Group Decision and Negotiation, 1994, 3, 29-46.	2.0	13
168	Prioritizing Long-term Watershed Management Strategies Using Group Decision Analysis. International Journal of Water Resources Development, 2005, 21, 297-309.	1.2	13
169	Fuzzy Real Options in Brownfield Redevelopment Evaluation. Journal of Applied Mathematics and Decision Sciences, 2009, 2009, 1-16.	0.4	13
170	Fuzzy Real Options for Risky Project Evaluation Using Least Squares Monte-Carlo Simulation. IEEE Systems Journal, 2011, 5, 385-395.	2.9	13
171	Multi-criteria decision analysis for infrastructure privatisation using conflict resolution. Structure and Infrastructure Engineering, 2011, 7, 661-671.	2.0	13
172	Urban Planning in Recife, Brazil: Evidence from a Conflict Analysis on the New Recife Project. Journal of the Urban Planning and Development Division, ASCE, 2017, 143, .	0.8	13
173	Diagnosis of sustainability of trans-boundary water governance in the Great Lakes basin. World Development, 2020, 129, 104855.	2.6	13
174	Mixed Coalitional Stabilities With Full Participation of Sanctioning Opponents Within the Graph Model for Conflict Resolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3911-3925.	5.9	13
175	Decision making under conditions of conflict. Group Decision and Negotiation, 1994, 3, 169-185.	2.0	12
176	TURBULENCE IN MIRAMICHI BAY: THE BURNT CHURCH CONFLICT OVER NATIVE FISHING RIGHTS¹. Journal of the American Water Resources Association, 2006, 42, 1629-1645.	1.0	12
177	Negotiation characteristics in brownfield redevelopment projects. , 2007, , .		12
178	A Basic Hierarchical Graph Model for Conflict Resolution with Application to Water Diversion Conflicts in China. Infor, 2013, 51, 103-119.	0.5	12
179	Strategic analysis of the Great Canadian Hydroelectric Power Conflict. Energy Strategy Reviews, 2014, 4, 43-51.	3.3	12
180	Two methodological perspectives on the Energy East Pipeline conflict. Energy Policy, 2016, 91, 397-409.	4.2	12

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181	Fuzzy levels of preference strength in a graph model with multiple decision makers. Fuzzy Sets and Systems, 2019, 377, 71-84.	1.6	12
182	Systems methodologies in Vitae Systems of Systems. Journal of Natural Disaster Science, 2011, 32, 63-77.	0.4	12
183	MULTIPLE CRITERIA SCREENING OF A LARGE WATER POLICY SUBSET SELECTION PROBLEM 1. Journal of the American Water Resources Association, 2001, 37, 533-546.	1.0	11
184	An index aggregation approach to comparing the overall performance of emerging and developed countries. Socio-Economic Planning Sciences, 2009, 43, 25-39.	2.5	11
185	A conflict model for the international hazardous waste disposal dispute. Journal of Hazardous Materials, 2009, 172, 138-146.	6.5	11
186	An Introduction to the special issue on tackling challenging water resources problems in Canada: a systems approach. Canadian Water Resources Journal, 2013, 38, 3-11.	0.5	11
187	From Values to Ordinal Preferences for Strategic Governance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1364-1383.	5.9	11
188	Theory and implementation of coalitional analysis in cooperative decision making. Theory and Decision, 2014, 76, 147-171.	0.5	11
189	Analyzing market competition between Airbus and Boeing using a duo hierarchical graph model for conflict resolution. Journal of Systems Science and Systems Engineering, 2017, 26, 683-710.	0.8	11
190	Analysis of a brownfield management conflict in Canada. Hydrological Research Letters, 2017, 11, 141-148.	0.3	11
191	An evaluation of the social dimensions in public participation in rural domestic waste source-separated collection in Guilin, China. Environmental Monitoring and Assessment, 2018, 190, 35.	1.3	11
192	Melting of Himalayan glaciers and planetary health. Current Opinion in Environmental Sustainability, 2021, 50, 98-108.	3.1	11
193	Matrix representation of conflicts with two decision-makers. , 2007, , .		10
194	Conflict analysis in brownfield redevelopment: The ERASE program in Hamilton, Ontario. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	10
195	Centralized and Decentralized Approaches to Water Demand Management. Sustainability, 2018, 10, 3466.	1.6	10
196	A gameâ€theoretic model for resource allocation with deception and defense efforts. Systems Engineering, 2019, 22, 282-291.	1.6	10
197	Risk Analysis of the Walkerton Drinking Water Crisis. Canadian Water Resources Journal, 2003, 28, 395-419.	0.5	9
198	Using a Benchmark in Case-Based Multiple-Criteria Ranking. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 358-368.	3.4	9

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