Keith W Hipel

List of Publications by Year in Descending Order

310 papers	5,938 citations	39 h-index	60 g-index
344 ext. papers	7,068 ext. citations	3 avg, IF	6.25 L-index

#	Paper	IF	Citations
310	Conflict in Tiny Town: Aggregate Mining at the Alliston Aquifer. *Lecture Notes in Business Information Processing*, **2022**, 74-90	0.6	
309	Cauvery River: Path Dependence and Feedback in Water Sharing Conflicts. *Lecture Notes in Business Information Processing*, **2022**, 91-101	0.6	
308	Looking Back on Decision Making Under Conditions of Conflict **2021**, 1-21		
307	Melting of Himalayan glaciers and planetary health. *Current Opinion in Environmental Sustainability*, **2021**, 50, 98-108	7.2	2
306	Matrix representation of stability definitions for the graph model for conflict resolution with reciprocal preference relations. *Fuzzy Sets and Systems*, **2021**, 409, 32-54	3.7	1
305	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 1716-1724	7.3	6
304	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	7.3	6
303	Study of Water-Environmental Conflicts as a Dynamic and Complex Human-Natural System: A New Perspective. *Lecture Notes in Business Information Processing*, **2021**, 113-127	0.6	
302	COVID-19's implications on agri-food systems and human health in Bangladesh.. *Current Research in Environmental Sustainability*, **2021**, 3, 100033	5	5
301	Multi-indicator supply chain management framework for food convergent innovation in the dairy business. *Sustainable Futures*, **2021**, 3, 100045	2.9	7
300	Conflict Resolution Using the Graph Model: Matrices, Uncertainty, and Systems Perspectives **2021**, 597-623		
299	Will Peaceful Waters Flow Again? A Game-Theoretic Insight into a Tripartite Environmental Conflict in the Middle East. *Environmental Management*, **2021**, 67, 667-681	3.1	1
298	Health impacts of climate change on smallholder farmers. *One Health*, **2021**, 13, 100258	7.6	5
297	The Graph Model for Conflict Resolution and Decision Support. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 131-141	7.3	7
296	Looking Back on Decision-Making Under Conditions of Conflict **2021**, 463-483		
295	Conflict Resolution Using the Graph Model: Individuals and Coalitions **2021**, 569-595		
294	A Two-Level Hierarchical Graph Model for Conflict Resolution with Application to International Climate Change Negotiations. *Journal of Systems Science and Systems Engineering*, **2020**, 29, 251-272	1.2	3

293	Strategic Insights into the Cauvery River Dispute in India. *Sustainability*, **2020**, 12, 1286	3.6	8
292	Diagnosis of sustainability of trans-boundary water governance in the Great Lakes basin. *World Development*, **2020**, 129, 104855	5.5	7
291	Nash Stability in a Multi-objective Graph Model with Interval Preference Weights: Application to a US-China Trade Dispute. *Lecture Notes in Business Information Processing*, **2020**, 3-20	0.6	
290	Conflict Resolution Using the Graph Model: Individuals and Coalitions **2020**, 1-28		
289	Stackelberg Stability in the Graph Model for Conflict Resolution: Definition and Implementation. *Lecture Notes in Business Information Processing*, **2020**, 77-92	0.6	
288	Conflict Resolution Using the Graph Model: Matrices, Uncertainty, and Systems Perspectives **2020**, 1-27		
287	The Graph Model for Conflict Resolution: Reflections on Three Decades of Development. *Group Decision and Negotiation*, **2020**, 29, 11-60	2.5	19
286	A New Approach to Coalition Analysis Within the Graph Model. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 2231-2241	7.3	15
285	Analysis of a below-water aggregate mining case study in Ontario, Canada using values-centric online citizen participation. *Journal of Environmental Planning and Management*, **2020**, 63, 352-368	2.8	1
284	. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 308-320	8.3	5
283	General hypergame analysis within the graph model for conflict resolution. *International Journal of Systems Science: Operations and Logistics*, **2020**, 7, 18-33	2.6	7
282	A hybrid project portfolio selection procedure with historical performance consideration. *Expert Systems With Applications*, **2020**, 142, 113003	7.8	13
281	Strategic Analyses of the Hydropolitical Conflicts Surrounding the Grand Ethiopian Renaissance Dam. *Group Decision and Negotiation*, **2019**, 28, 305-340	2.5	8
280	A Three-Level Hierarchical Graph Model for Conflict Resolution. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-10	7.3	3
279	Project portfolio selection and scheduling under a fuzzy environment. *Memetic Computing*, **2019**, 11, 391-406	3.4	12
278	Mixed stabilities for analyzing opponents heterogeneous behavior within the graph model for conflict resolution. *European Journal of Operational Research*, **2019**, 277, 621-632	5.6	9
277	A game-theoretic model for resource allocation with deception and defense efforts. *Systems Engineering*, **2019**, 22, 282-291	1.8	8
276	Editorial on Conflict Resolution and Group Decision Based on Papers from the 2018 International Conference on Group Decision and Negotiation (GDN 2018). *Journal of Systems Science and Systems Engineering*, **2019**, 28, 395-398	1.2	

275	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	1.2	10
274	Theory and Implementation of Sensitivity Analyses Based on Their Algebraic Representation in the Graph Model. *Journal of Systems Science and Systems Engineering*, **2019**, 28, 580-601	1.2	5
273	Classifying Metarational Stabilities in Conflicts. *Journal of Systems Science and Systems Engineering*, **2019**, 28, 265-284	1.2	2
272	The Strategy of Escalation and Negotiation: The Iran Nuclear Dispute. *Journal of Systems Science and Systems Engineering*, **2019**, 28, 434-448	1.2	2
271	SORTING SUBCONTRACTORS□ACTIVITIES IN CONSTRUCTION PROJECTS WITH A NOVEL ADDITIVE-VETO SORTING APPROACH. *Journal of Civil Engineering and Management*, **2019**, 25, 306-321	3	4
270	A hierarchical graph model for conflict resolution with sequential moves. *Infor*, **2019**, 57, 204-225	0.5	1
269	A System of Systems Framework for the Water-Energy-Food Nexus **2019**,		1
268	Fuzzy levels of preference strength in a graph model with multiple decision makers. *Fuzzy Sets and Systems*, **2019**, 377, 71-84	3.7	6
267	The graph model for conflict resolution with incomplete fuzzy reciprocal preference relations. *Fuzzy Sets and Systems*, **2019**, 377, 52-70	3.7	12
266	Behavioral Analysis in the Graph Model for Conflict Resolution. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 904-916	7.3	9
265	Interval fuzzy preferences in the graph model for conflict resolution. *Fuzzy Optimization and Decision Making*, **2018**, 17, 287-315	5.1	21
264	Agent-Based Modeling Approach to Investigating the Impact of Water Demand Management. *Journal of Water Resources Planning and Management - ASCE*, **2018**, 144, 04018006	2.8	13
263	Matrix representations of the inverse problem in the graph model for conflict resolution. *European Journal of Operational Research*, **2018**, 270, 282-293	5.6	15
262	Strategic advice for decision-making under conflict based on observed behaviour. *Applied Mathematics and Computation*, **2018**, 332, 96-104	2.7	7
261	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2158-2175	7.3	19
260	Using multi-criteria decision analysis for assessing sustainability of agricultural systems. *Sustainable Development*, **2018**, 26, 781-799	6.7	20
259	Design of a Decision Support System for Conflict Resolution. *Studies in Systems, Decision and Control*, **2018**, 401-426	0.8	
258	Follow-Up Analysis: Conflict Evolution. *Studies in Systems, Decision and Control*, **2018**, 353-400	0.8	

257	Stability Definitions: Unknown Preference. *Studies in Systems, Decision and Control*, **2018**, 161-207	0.8	
256	Stability Definitions: Degrees of Preference. *Studies in Systems, Decision and Control*, **2018**, 209-259	0.8	
255	Conflict Resolution in Practice. *Studies in Systems, Decision and Control*, **2018**, 1-41	0.8	
254	Coalitional Stabilities. *Studies in Systems, Decision and Control*, **2018**, 293-352	0.8	
253	Stability Definitions: Simple Preference. *Studies in Systems, Decision and Control*, **2018**, 111-160	0.8	
252	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	10.1	65
251	The PROMETHEE Framework for Comparing the Sustainability of Agricultural Systems. *Resources*, **2018**, 7, 74	3.7	14
250	Centralized and Decentralized Approaches to Water Demand Management. *Sustainability*, **2018**, 10, 3466	3.6	4
249	Managing conflict in aquaculture. *Marine Economics and Management*, **2018**, 1, 1-19	1.5	1
248	Communication features in a DSS for conflict resolution based on the graph model. *International Journal of Information and Decision Sciences*, **2018**, 10, 39	0.8	6
247	Conflict Models in Graph Form. *Studies in Systems, Decision and Control*, **2018**, 75-109	0.8	
246	Decision-Making in Perspective. *Studies in Systems, Decision and Control*, **2018**, 43-73	0.8	
245	Conflict Resolution Using the Graph Model: Strategic Interactions in Competition and Cooperation. *Studies in Systems, Decision and Control*, **2018**,	0.8	43
244	Stability Definitions: Hybrid Preference. *Studies in Systems, Decision and Control*, **2018**, 261-292	0.8	
243	An ordinal classification of brownfield remediation projects in China for the allocation of government funding. *Land Use Policy*, **2018**, 77, 220-230	5.6	13
242	Risk reduction in a project portfolio. *Journal of Systems Science and Systems Engineering*, **2017**, 26, 3-22	1.2	6
241	Construction contract management using value packaging systems. *International Journal of Construction Management*, **2017**, 17, 50-64	1.9	5
240	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	2.8	9

239	Development trend forecasting for coherent light generator technology based on patent citation network analysis. *Scientometrics*, **2017**, 111, 297-315	3	39
238	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, 05017004	1.7	11
237	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, 05017007	2.2	9
236	An evaluation of the social dimensions in public participation in rural domestic waste source-separated collection in Guilin, China. *Environmental Monitoring and Assessment*, **2017**, 190, 35	3.1	6
235	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	1.2	8
234	Strategy, Complexity and Cooperation: The Sino-American Climate Regime. *Group Decision and Negotiation*, **2017**, 26, 997-1027	2.5	8
233	Group Decision Methodology to Support Watershed Committees in Choosing Among Combinations of Alternatives. *Group Decision and Negotiation*, **2017**, 26, 729-752	2.5	6
232	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	5.6	33
231	Analysis of a brownfield management conflict in Canada. *Hydrological Research Letters*, **2017**, 11, 141-148	1.3	8
230	Water pricing conflict in British Columbia. *Hydrological Research Letters*, **2017**, 11, 194-200	1.3	6
229	Long short term memory networks for short-term electric load forecasting **2017**,		19
228	Fuzzy strength of preference in the Graph Model for Conflict Resolution with two decision makers **2017**,		5
227	Developing Composite Indicators for Agricultural Sustainability Assessment: Effect of Normalization and Aggregation Techniques. *Resources*, **2017**, 6, 66	3.7	51
226	Elimination Method of Multi-Criteria Decision Analysis (MCDA): A Simple Methodological Approach for Assessing Agricultural Sustainability. *Sustainability*, **2017**, 9, 287	3.6	22
225	Risk-chasing behaviour in on-site construction decisions. *Construction Management and Economics*, **2016**, 34, 845-858	3	7
224	Option prioritization for unknown preference. *Journal of Systems Science and Systems Engineering*, **2016**, 25, 39-61	1.2	17
223	A strategic analysis of the New Brunswick, Canada fracking controversy. *Energy Economics*, **2016**, 55, 69-78	8.3	11
222	Third Party Intervention in Conflict Resolution: Dispute Between Bangladesh and India over Control of the Ganges River. *New Frontiers in Regional Science: Asian Perspectives*, **2016**, 329-355	0.3	5

221	. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 765-778	8.3	34
220	Exploring social dimensions of municipal solid waste management around the globe - A systematic literature review. *Waste Management*, **2016**, 56, 3-12	8.6	88
219	Misperception in nationalization of the Suez Canal **2016**,		4
218	Two methodological perspectives on the Energy East Pipeline conflict. *Energy Policy*, **2016**, 91, 397-409	7.2	9
217	Incorporating Water Demand Management into a Cooperative Water Allocation Framework. *Water Resources Management*, **2016**, 30, 2997-3012	3.7	23
216	Strategic analysis of a water rights conflict in the south western United States. *Journal of Environmental Management*, **2016**, 180, 247-56	7.9	25
215	Numerical Methods to Calculate Fuzzy Boundaries for Brownfield Redevelopment Negotiations. *Group Decision and Negotiation*, **2015**, 24, 515-536	2.5	3
214	Advanced Decision Support for the Graph Model for Conflict Resolution. *Journal of Decision Systems*, **2015**, 24, 117-145	1.2	47
213	System of Systems Thinking in Policy Development: Challenges and Opportunities **2015**, 21-70		1
212	Systems methodology for resolving water conflicts: the Zhanghe River water allocation dispute in China. *International Journal of Water Resources Development*, **2015**, 31, 106-119	3	17
211	Establishment and optimization of an evaluation index system for brownfield redevelopment projects: An empirical study. *Environmental Modelling and Software*, **2015**, 74, 173-182	5.2	28
210	An improved grey relational analysis approach for panel data clustering. *Expert Systems With Applications*, **2015**, 42, 9105-9116	7.8	37
209	Grey-based PROMETHEE II with application to evaluation of source water protection strategies. *Information Sciences*, **2015**, 294, 376-389	7.7	65
208	Towards More Productive Water Allocation with Water Demand Management **2015**,		1
207	Coalition fuzzy stability analysis in the Graph Model for Conflict Resolution. *Journal of Intelligent and Fuzzy Systems*, **2015**, 29, 593-607	1.6	12
206	Power asymmetry in conflict resolution with application to a water pollution dispute in China. *Water Resources Research*, **2015**, 51, 8627-8645	5.4	22
205	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	1.1	17
204	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	7.3	64

203	Facilitating risky project negotiation: An integrated approach using fuzzy real options, multicriteria analysis, and conflict analysis. *Information Sciences*, **2015**, 295, 544-557	7.7	15
202	Inverse Approach to the Graph Model for Conflict Resolution. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2015**, 45, 734-742	7.3	43
201	Robustness of equilibria in the graph model for conflict resolution. *Journal of Systems Science and Systems Engineering*, **2015**, 24, 450-465	1.2	5
200	Strategic Investigation of the Jackpine Mine Expansion Dispute in the Alberta Oil Sands. *International Journal of Decision Support System Technology*, **2015**, 7, 50-62	0.7	4
199	Matrix Representation of a Basic Hierarchical Graph Model for Conflict Resolution. *Lecture Notes in Business Information Processing*, **2015**, 76-88	0.6	0
198	Strategic analysis of the Great Canadian Hydroelectric Power Conflict. *Energy Strategy Reviews*, **2014**, 4, 43-51	9.8	10
197	Agent-Based Modeling of Competitive and Cooperative Behavior Under Conflict. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 834-850	7.3	32
196	Strategic Investigations of Water Conflicts in the Middle East. *Group Decision and Negotiation*, **2014**, 23, 355-376	2.5	28
195	Water Diversion Conflicts in China: A Hierarchical Perspective. *Water Resources Management*, **2014**, 28, 1823-1837	3.7	38
194	Theory and implementation of coalitional analysis in cooperative decision making. *Theory and Decision*, **2014**, 76, 147-171	0.8	11
193	A hierarchical approach to study supply chain conflicts between Airbus and Boeing **2014**,		2
192	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	7.3	23
191	Modeling misperception of options and preferences in the graph model for conflict resolution **2014** ,		7
190	Assessing the impact of water demand management in water allocation **2014**,		1
189	Assessing project portfolio risk based on Bayesian network **2014**,		1
188	A Fuzzy Logic Approach to Assess, Manage, and Communicate Carcinogenic Risk. *Human and Ecological Risk Assessment (HERA)*, **2014**, 20, 1687-1707	4.9	5
187	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 1364-1383	7.3	9
186	Fuzzy option prioritization for the graph model for conflict resolution. *Fuzzy Sets and Systems*, **2014** , 246, 34-48	3.7	36

185	A personal memoir of Weimin Zheng A man for all seasons *Journal of Systems Science and Systems Engineering*, **2013**, 22, 499-504	1.2	
184	A data-centric capability-focused approach for system-of-systems architecture modeling and analysis. *Systems Engineering*, **2013**, 16, 363-377	1.8	21
183	Theory and application of conflict resolution with hybrid preference in colored graphs. *Applied Mathematical Modelling*, **2013**, 37, 989-1003	4.5	10
182	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	1.7	8
181	Fair water resources allocation with application to the south saskatchewan river basin. *Canadian Water Resources Journal*, **2013**, 38, 47-60	1.7	14
180	Water security problems in Canada oil sands. *Canadian Water Resources Journal*, **2013**, 38, 61-72	1.7	9
179	Cross-border conflict resolution: sediment contamination dispute in Lake Roosevelt. *Canadian Water Resources Journal*, **2013**, 38, 73-82	1.7	5
178	A Case Study of Grey-Based Preference in a Graph Model for Conflict Resolution with Two Decision Makers **2013**,		3
177	Formal Strategic Analysis of the Conflict over Syria **2013**,		1
176	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2013**, 43, 1328-1342	7.3	18
175	The Way Forward after the Durban Climate Change Conference: A Strategic Analysis **2013**,		1
174	Characterization of a Conflict **2013**,		2
173	A Basic Hierarchical Graph Model for Conflict Resolution with Application to Water Diversion Conflicts in China. *Infor*, **2013**, 51, 103-119	0.5	9
172	An integrated multiple criteria preference ranking approach to the Canadian west coast port congestion conflict. *Expert Systems With Applications*, **2012**, 39, 9181-9190	7.8	31
171	System of systems engineering and risk management of extreme events: concepts and case study. *Risk Analysis*, **2012**, 32, 1935-55	3.9	27
170	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		10
169	A data-centric executable modeling approach for system-of-systems architecture **2012**,		1
168	Conflict resolution and mediation **2012**,		3

167	A Decision Rule Aggregation Approach to Multiple Criteria-Multiple Participant Sorting. *Group Decision and Negotiation*, **2012**, 21, 727-745	2.5	27
166	Fuzzy Preferences in the Graph Model for Conflict Resolution. *IEEE Transactions on Fuzzy Systems*, **2012**, 20, 760-770	8.3	81
165	The Ontario nuclear power dispute: a strategic analysis. *Environmental Systems Research*, **2012**, 1, 11	4.3	3
164	Dominating attitudes in the graph model for conflict resolution. *Journal of Systems Science and Systems Engineering*, **2012**, 21, 316-336	1.2	16
163	Formal Analysis of Multilateral Negotiations Over the Legal Status of the Caspian Sea. *Group Decision and Negotiation*, **2012**, 21, 305-329	2.5	13
162	A hierarchical multiple criteria model for eliciting relative preferences in conflict situations. *Journal of Systems Science and Systems Engineering*, **2012**, 21, 56-76	1.2	22
161	Petri net model for supply-chain quality conflict resolution of a complex product. *Kybernetes*, **2012**, 41, 920-928	2	4
160	The identification of risk factors in brownfield redevelopment: An empirical study **2012**,		1
159	Water allocation under climate change in the Qezelozan-Sefidrood Watershed **2012**,		3
158	Ordinal preferences construction for multiple-objective multiple-participant conflicts **2012**,		3
157	Evaluation of source water protection strategies in Waterloo Region based on Grey Systems Theory and PROMETHEE II **2012**,		3
156	The upper churchill falls development negotiations **2012**,		1
155	Fuzzy preferences in the sustainable development conflict **2011**,		4
154	The Graph Model For Conflict Resolution **2011**,		8
153	. *IEEE Systems Journal*, **2011**, 5, 385-395	4.3	11
152	Negotiation over Costs and Benefits in Brownfield Redevelopment. *Group Decision and Negotiation*, **2011**, 20, 509-524	2.5	22
151	Matrix Representation of Conflict Resolution in Multiple-Decision-Maker Graph Models with Preference Uncertainty. *Group Decision and Negotiation*, **2011**, 20, 755-779	2.5	25
150	Non-Cooperative Stability Definitions for Strategic Analysis of Generic Water Resources Conflicts. *Water Resources Management*, **2011**, 25, 1949-1977	3.7	109

149	An extreme-distance approach to multiple criteria ranking. *Mathematical and Computer Modelling*, **2011**, 53, 646-658		21
148	Conflict analysis in environmental management. *Environmetrics*, **2011**, 22, 279-293	1.3	33
147	Devils lake emergency outlet diversion conflict. *Journal of Environmental Management*, **2011**, 92, 437-47	7.9	13
146	Multi-criteria decision analysis for infrastructure privatisation using conflict resolution. *Structure and Infrastructure Engineering*, **2011**, 7, 661-671	2.9	10
145	Optimum compromise among environmental dispute issues using attitude based negotiation. *Canadian Journal of Civil Engineering*, **2011**, 38, 184-190	1.3	6
144	Systems methodologies in Vitae Systems of Systems. *Journal of Natural Disaster Science*, **2011**, 32, 63-77	0.4	10
143	Combined strategic and tactical negotiation methodology for resolving complex brownfield conflicts. *Pesquisa Operacional*, **2010**, 30, 281-304	0.3	14
142	Systems Management Study of a Private Brownfield Renovation. *Journal of the Urban Planning and Development Division, ASCE*, **2010**, 136, 249-260	2.2	22
141	Attitude-Based Negotiation Methodology for the Management of Construction Disputes. *Journal of Management in Engineering - ASCE*, **2010**, 26, 114-122	5.3	34
140	Computerized DSS for Construction Conflict Resolution under Uncertainty. *Journal of Construction Engineering and Management - ASCE*, **2010**, 136, 1249-1257	4.2	19
139	A numerical method of evaluating brownfields using fuzzy boundaries and fuzzy real options **2010**,		4
138	Considering Attitudes in Strategic Negotiation over Brownfield Disputes. *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, **2010**, 2, 240-247	1.7	19
137	**2010**,		5
136	Matrix representation and extension of coalition analysis in group decision support. *Computers and Mathematics With Applications*, **2010**, 60, 1164-1176	2.7	20
135	System of systems approach to policy development for global food security. *Journal of Systems Science and Systems Engineering*, **2010**, 19, 1-21	1.2	19
134	Combining strength and uncertainty for preferences in the graph model for conflict resolution with multiple decision makers. *Theory and Decision*, **2010**, 69, 497-521	0.8	26
133	Modeling the Caspian Sea Negotiations. *Group Decision and Negotiation*, **2010**, 19, 149-168	2.5	45
132	Robustness and information levels in case-based multiple criteria sorting. *European Journal of Operational Research*, **2010**, 202, 841-852	5.6	38

131	An integrated algebraic approach to conflict resolution with three-level preference. *Applied Mathematics and Computation*, **2010**, 216, 693-707	2.7	15
130	Using matrices to link conflict evolution and resolution in a graph model. *European Journal of Operational Research*, **2010**, 207, 318-329	5.6	35
129	Conflict Analysis Methods: The Graph Model for Conflict Resolution. *Advances in Group Decision and Negotation*, **2010**, 203-222	0.1	15
128	Multiple Criteria Approaches to Group Decision and Negotiation. *Profiles in Operations Research*, **2010**, 317-338	1	10
127	Fuzzy Real Options in Brownfield Redevelopment Evaluation. *Journal of Applied Mathematics and Decision Sciences*, **2009**, 2009, 1-16		12
126	A comparative study in long-term river flow forecasting models. *International Journal of River Basin Management*, **2009**, 7, 403-413	1.7	3
125	An algebraic approach to calculating stabilities in the graph model with strength of preference **2009**,		1
124	Establishment of the index system for evaluation of brownfield redevelopment projects in China **2009**,		2
123	Using fuzzy real options in a brownfield redevelopment decision support system **2009**,		3
122	An index aggregation approach to comparing the overall performance of emerging and developed countries. *Socio-Economic Planning Sciences*, **2009**, 43, 25-39	3.7	9
121	A conflict model for the international hazardous waste disposal dispute. *Journal of Hazardous Materials*, **2009**, 172, 138-46	12.8	8
120	Multiple levels of preference in interactive strategic decisions. *Discrete Applied Mathematics*, **2009**, 157, 3300-3313	1	34
119	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	2.5	12
118	Advances in Drama Theory for Managing Global Hazards and Disasters. Part I: Theoretical Foundation. *Group Decision and Negotiation*, **2009**, 18, 303-316	2.5	22
117	Introduction to the Special Issue on Disaster Risk Reduction in the Post 9-11 Security Environment. *Group Decision and Negotiation*, **2009**, 18, 299-301	2.5	1
116	Perceptual Graph Model Systems. *Group Decision and Negotiation*, **2009**, 18, 261-277	2.5	22
115	Strategic decision making for improved environmental security: Coalitions and attitudes. *Journal of Systems Science and Systems Engineering*, **2009**, 18, 461-476	1.2	27
114	A strategic classification support system for brownfield redevelopment. *Environmental Modelling and Software*, **2009**, 24, 647-654	5.2	38

113	A matrix approach to status quo analysis in the graph model for conflict resolution. *Applied Mathematics and Computation*, **2009**, 212, 470-480	2.7	29
112	A matrix-based approach to searching colored paths in a weighted colored multidigraph. *Applied Mathematics and Computation*, **2009**, 215, 353-366	2.7	18
111	Fuzzy preferences in conflict resolution **2009**,		4
110	Strategic analysis of the conflict over Iran's nuclear program **2009**,		6
109	Risk management of liability uncertainties to facilitate brownfield redevelopment: Comparing the situation of Canada with the US **2009**,		1
108	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		8
107	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		62
106	Screening in multiple criteria decision analysis. *Decision Support Systems*, **2008**, 45, 278-290	5.6	40
105	A case-based distance method for screening in multiple-criteria decision aid?. *Omega*, **2008**, 36, 373-383	7.2	38
104	A Rough Set Approach to Multiple Criteria ABC Analysis. *Transactions on Rough Sets*, **2008**, 35-52		3
103	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	1.8	16
102	Preference strength and uncertainty in the graph model for conflict resolution for two decision-makers. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	5
101	Decision Support Systems in Water Resources and Environmental Management. *Journal of Hydrologic Engineering - ASCE*, **2008**, 13, 761-770	1.8	40
100	Propositions on interrelationships among attitude-based stability concepts. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	5
99	Attitudes and coalitions within brownfield redevelopment projects. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	2
98	Conflict analysis in brownfield redevelopment: The ERASE program in Hamilton, Ontario. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	3
97	A decision rule aggregation approach to multiple criteria group decision support. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	1
96	Reinforcement learning methods for finding equilibria and tracking evolution paths in conflicts. *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	1

95	Adaptive Systems Thinking in Integrated Water Resources Management with Insights into Conflicts over Water Exports. *Infor*, **2008**, 46, 51-69	0.5	33
94	Transboundary Water Policies: Assessment, Comparison and Enhancement. *Water Resources Management*, **2008**, 22, 1069-1087	3.7	31
93	Interrelationships among noncooperative and coalition stability concepts. *Journal of Systems Science and Systems Engineering*, **2008**, 17, 1-29	1.2	55
92	Fuzzy preferences in conflicts. *Journal of Systems Science and Systems Engineering*, **2008**, 17, 257-276	1.2	28
91	Coalition analysis in the graph model for conflict resolution. *Systems Engineering*, **2008**, 11, 343-359	1.8	72
90	Basin-wide cooperative water resources allocation. *European Journal of Operational Research*, **2008**, 190, 798-817	5.6	132
89	A case-based distance model for multiple criteria ABC analysis. *Computers and Operations Research*, **2008**, 35, 776-796	4.6	88
88	The integration of a multiple criteria preference ranking approach for Conflict Resolution **2007**,		4
87	Mathematical Programming Approaches for Modeling Water Rights Allocation. *Journal of Water Resources Planning and Management - ASCE*, **2007**, 133, 50-59	2.8	46
86	On Achieving Fairness in the Allocation of Scarce Resources: Measurable Principles and Multiple Objective Optimization Approaches. *IEEE Systems Journal*, **2007**, 1, 17-28	4.3	19
85	Conflict analysis approaches for investigating attitudes and misperceptions in the War of 1812. *Journal of Systems Science and Systems Engineering*, **2007**, 16, 181-201	1.2	58
84	Strategic Decision Support for Brownfield Redevelopment **2007**,		1
83	Strategic analysis of the Kyoto Protocol **2007**,		17
82	Matrix representation of conflicts with two decision-makers **2007**,		6
81	Uncertainty analysis in construction conflict resolution using Information-Gap theory **2007**,		2
80	A game-theoretic approach to brownfield redevelopment: negotiation on cost and benefit allocation **2007**,		6
79	Negotiation characteristics in brownfield redevelopment projects **2007**,		10
78	Life span risk management in brownfield redevelopment **2007**,		1

77	Strategic Insights into the Jordan River Conflict **2007**,		20
76	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		24
75	. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2007**, 37, 680-691		33
74	. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2007**, 37, 726-743		52
73	Multiple criteria classification with an application in water resources planning. *Computers and Operations Research*, **2006**, 33, 3301-3323	4.6	26
72	Generalized metarationalities in the graph model for conflict resolution. *Discrete Applied Mathematics*, **2006**, 154, 2430-2443	1	23
71	Conflict Resolution in Construction Disputes Using the Graph Model. *Journal of Construction Engineering and Management - ASCE*, **2006**, 132, 1043-1052	4.2	54
70	Rough-Set Multiple-Criteria ABC Analysis. *Lecture Notes in Computer Science*, **2006**, 328-337	0.9	4
69	PERSPECTIVES IN PARTICIPATORY INFRASTRUCTURE MANAGEMENT. *Doboku Gakkai Ronbunshuu D*, **2006**, 62, 417-429		
68	TURBULENCE IN MIRAMICHI BAY: THE BURNT CHURCH CONFLICT OVER NATIVE FISHING RIGHTS1. *Journal of the American Water Resources Association*, **2006**, 42, 1629-1645	2.1	8
67	Strength of preference in graph models for multiple-decision-maker conflicts. *Applied Mathematics and Computation*, **2006**, 179, 314-327	2.7	71
66	Strategic analysis of the James Bay hydro-electric dispute in Canada. *Canadian Journal of Civil Engineering*, **2005**, 32, 868-880	1.3	16
65	Water Allocation among Multiple Stakeholders: Conflict Analysis of the Waiahole Water Project, Hawaii. *International Journal of Water Resources Development*, **2005**, 21, 283-295	3	25
64	Prioritizing Long-term Watershed Management Strategies Using Group Decision Analysis. *International Journal of Water Resources Development*, **2005**, 21, 297-309	3	11
63	Strategic and Dilemma Analyses of a Water Export Conflict. *Infor*, **2005**, 43, 247-270	0.5	15
62	Status quo analysis in the graph model for conflict resolution. *Journal of the Operational Research Society*, **2005**, 56, 699-707	2	65
61	The salmon aquaculture conflict in British Columbia: A graph model analysis. *Ocean and Coastal Management*, **2005**, 48, 571-587	3.9	18
60	Comparison of the analytic network process and the graph model for conflict resolution. *Journal of Systems Science and Systems Engineering*, **2005**, 14, 308-325	1.2	4

59	Introduction to the Special Issue on the Graph Model for Conflict Resolution. *Group Decision and Negotiation*, **2005**, 14, 439-440	2.5	2
58	The Graph Model for Conflict Resolution: Past, Present, and Future. *Group Decision and Negotiation*, **2005**, 14, 441-460	2.5	108
57	Integrating Uncertain Preferences into Status Quo Analysis with Applications to an Environmental Conflict. *Group Decision and Negotiation*, **2005**, 14, 461-479	2.5	42
56	The Role of Emotions in Envisioning Outcomes in Conflict Analysis. *Group Decision and Negotiation*, **2005**, 14, 481-500	2.5	46
55	The Pacific Salmon Treaty: A Century of Debate and an Uncertain Future. *Group Decision and Negotiation*, **2005**, 14, 501-522	2.5	19
54	Trade versus the environment: Strategic settlement from a systems engineering perspective. *Systems Engineering*, **2005**, 8, 211-233	1.8	27
53	Strength of Preference in the Graph Model for Conflict Resolution. *Group Decision and Negotiation*, **2004**, 13, 449-462	2.5	90
52	Policy Stable States in the Graph Model for Conflict Resolution. *Theory and Decision*, **2004**, 57, 345-365	0.8	19
51	Shellfish conflict in Baynes Sound: a strategic perspective. *Environmental Management*, **2004**, 34, 474-86	3.1	16
50	Status quo analysis of the Flathead River conflict. *Water Resources Research*, **2004**, 40,	5.4	38
49	Screening Alternatives In Multiple Criteria Subset Selection. *Infor*, **2004**, 42, 43-60	0.5	3
48	Risk Analysis of the Walkerton Drinking Water Crisis. *Canadian Water Resources Journal*, **2003**, 28, 395-419	1.7	8
47	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		20
46	A case-based reasoning system for conflict resolution: design and implementation. *Engineering Applications of Artificial Intelligence*, **2002**, 15, 369-383	7.2	15
45	Risk and systems theory. *Risk Analysis*, **2002**, 22, 1043-57	3.9	21
44	The graph model for conflict resolution with information-gap uncertainty in preferences. *Applied Mathematics and Computation*, **2002**, 126, 319-340	2.7	33
43	Coalition Analysis in Group Decision Support. *Group Decision and Negotiation*, **2001**, 10, 159-175	2.5	109
42	MULTIPLE CRITERIA SCREENING OF A LARGE WATER POLICY SUBSET SELECTION PROBLEM1. *Journal of the American Water Resources Association*, **2001**, 37, 533-546	2.1	8

41	Web-Based Multiple Criteria Decision Analysis: Web-Hipre And The Management Of Environmental Uncertainty. *Infor*, **2000**, 38, 221-244	0.5	5
40	Sustainability Indicators for Multiple Criteria Decision Making in Water Resources: An Evaluation of Soil Tillage Practices using Web-HIPRE. *Lecture Notes in Economics and Mathematical Systems*, **2000**, 433-445	0.4	1
39	Systems for sustainable development: Challenges and opportunities. *Systems Engineering*, **1998**, 1, 31-43	1.8	6
38	Modeling action-interdependence in multiple criteria decision making. *European Journal of Operational Research*, **1998**, 110, 490-508	5.6	14
37	ENFORCEMENT GAMES IN ENVIRONMENTAL REGULATION. *Doboku Gakkai Ronbunshu*, **1997**, 1997, 1-14		
36	The decision support system GMCR in environmental conflict management. *Applied Mathematics and Computation*, **1997**, 83, 117-152	2.7	118
35	Negotiation support using the Decision Support System GMCR. *Group Decision and Negotiation*, **1996**, 5, 371-383	2.5	21
34	Penalty as a component of review strategies for effective enforcement of environmental regulations. *Environmetrics*, **1996**, 7, 77-95	1.3	3
33	Hierarchical power in personnel negotiations. *Group Decision and Negotiation*, **1994**, 3, 267-284	2.5	1
32	Introduction to the special issue on decision making under conditions of conflict. *Group Decision and Negotiation*, **1994**, 3, 167-168	2.5	2
31	Decision making under conditions of conflict. *Group Decision and Negotiation*, **1994**, 3, 169-185	2.5	9
30	Negotiation support using the Graph Model for Conflict Resolution. *Group Decision and Negotiation*, **1994**, 3, 29-46	2.5	7
29	Enforcement of Environmental Laws and Regulations: A Literature Review. *Water Science and Technology Library*, **1994**, 3-15	0.3	3
28	MULTIPLE OBJECTIVE DECISION MAKING IN WATER RESOURCES1. *Journal of the American Water Resources Association*, **1992**, 28, 3-12	2.1	59
27	GAME-THEORETIC ANALYSES OF ENFORCEMENT OF ENVIRONMENTAL LAWS AND REGULATIONS1. *Journal of the American Water Resources Association*, **1992**, 28, 141-153	2.1	22
26	Trend analysis methodology for water quality time series. *Environmetrics*, **1991**, 2, 169-200	1.3	50
25	Cooperation in conflict analysis. *Applied Mathematics and Computation*, **1991**, 43, 181-206	2.7	10
24	A decision support system for the graph model of conflicts. *Theory and Decision*, **1990**, 28, 289-311	0.8	16

23	A formal analysis of the Canada-U.S. softwood lumber dispute. *European Journal of Operational Research*, **1990**, 46, 235-246	5.6	13
22	Algorithms for hierarchical power. *Applied Mathematics and Computation*, **1990**, 39, 21-36	2.7	3
21	Conflict models in graph form: Solution concepts and their interrelationships. *European Journal of Operational Research*, **1989**, 41, 86-100	5.6	65
20	Solution concepts in hypergames. *Applied Mathematics and Computation*, **1989**, 34, 147-171	2.7	53
19	Modeling misperceptions in games. *Systems Research and Behavioral Science*, **1988**, 33, 207-223		64
18	NONPARAMETRIC APPROACHES TO ENVIRONMENTAL IMPACT ASSESSMENT1. *Journal of the American Water Resources Association*, **1988**, 24, 487-492	2.1	11
17	Hypergame Analysis of the Falkland/Malvinas Conflict. *International Studies Quarterly*, **1988**, 32, 335	1.7	20
16	The graph model for conflicts. *Automatica*, **1987**, 23, 41-55	5.7	218
15	TIME SERIES ANALYSIS IN PERSPECTIVE1. *Journal of the American Water Resources Association*, **1985**, 21, 609-623	2.1	24
14	Hypergame Analysis of the Lake Biwa Conflict. *Water Resources Research*, **1985**, 21, 917-926	5.4	18
13	A procedure for analyzing hypergames. *European Journal of Operational Research*, **1984**, 18, 111-122	5.6	27
12	A coalition analysis algorithm with application to the Zimbabwe conflict. *IEEE Transactions on Systems, Man, and Cybernetics*, **1983**, SMC-13, 338-352		23
11	TREND ASSESSMENT OF WATER QUALITY TIME SERIES1. *Journal of the American Water Resources Association*, **1983**, 19, 537-547	2.1	52
10	MODELING HYDROLOGIC TIME SERIES FROM THE ARCTIC1. *Journal of the American Water Resources Association*, **1981**, 17, 414-422	2.1	9
9	Metagame Analysis of the Poplar River Conflict. *Journal of the Operational Research Society*, **1980**, 31, 377-385	2	38
8	Nationalization of the Suez Canal: A Hypergame Analysis. *Journal of Conflict Resolution*, **1980**, 24, 477-492	2.2	36
7	A Conflict Analysis of the Suez Canal Invasion of 1956. *Conflict Management and Peace Science*, **1980**, 5, 27-40	0.9	18
6	Metagame analysis of the Garrison Conflict. *Water Resources Research*, **1980**, 16, 629-637	5.4	33

5	Solving Complex Conflicts. *IEEE Transactions on Systems, Man, and Cybernetics*, **1979**, 9, 805-816		189
4	Investigating an Aggregate Mine Proposal Using the Graph Model for Conflict Resolution. *Annals of the American Association of Geographers*,1-21	2.6	1
3	An Integer Programming Approach to Solving the Inverse Graph Model for Conflict Resolution with Two Decision Makers. *Group Decision and Negotiation*,1	2.5	2
2	Climate change-triggered land degradation and planetary health: A review. *Land Degradation and Development*,	4.4	3
1	Assessing policy robustness under the COVID-19 crisis: an empirical study of the environmental policymaking system in Ontario, Canada. *Journal of Environmental Policy and Planning*,1-15	3.4	