

# Fuzzy cognitive maps

International Journal of Man-Machine Studies

24, 65-75

DOI: [10.1016/s0020-7373\(86\)80040-2](https://doi.org/10.1016/s0020-7373(86)80040-2)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Fuzzy knowledge combination. International Journal of Intelligent Systems, 1986, 1, 293-320.	3.3	80
2	Knowledge Acquisition, Expert Systems, and Public Management Decisions. Social Science Microcomputer Review, 1987, 5, 163-173.	0.1	11
3	An algebraic synthesis of the foundations of logic and probability. Information Sciences, 1987, 42, 187-237.	4.0	75
4	A prototype DSS for structuring and diagnosing managerial problems. IEEE Transactions on Systems, Man, and Cybernetics, 1988, 18, 899-907.	0.9	22
5	Hidden patterns in combined and adaptive knowledge networks. International Journal of Approximate Reasoning, 1988, 2, 377-393.	1.9	230
6	Concepts and tools of artificial intelligence for human decision making. Acta Psychologica, 1988, 68, 217-236.	0.7	2
7	Fuzzy cognitive maps, signal flow graphs, and qualitative circuit analysis. , 1988, , .		37
8	On NPN logic. , 0, , .		11
9	3D cuboid scene understanding by a mixed cognitive graph and log-complex mapping paradigm. , 0, , .		0
10	A logical architecture for cognitive maps. , 1988, , .		39
11	Pool2: a generic system for cognitive map development and decision analysis. IEEE Transactions on Systems, Man, and Cybernetics, 1989, 19, 31-39.	0.9	152
12	A fuzzy cognitive structure for pattern recognition. Pattern Recognition Letters, 1989, 9, 305-313.	2.6	30
13	Organizational learning systems. , 0, , .		10
15	Cognitive map composition, derivation, and focus generation for distributed group decision support. , 0, , .		5
16	Neural networks and fuzzy logic in intelligent control. , 0, , .		11
17	Signal Flow Graphs vs Fuzzy Cognitive Maps in application to qualitative circuit analysis. International Journal of Man-Machine Studies, 1991, 35, 175-186.	0.7	46
18	Fuzzy activation functions. , 1991, , .		2
19	An Introduction to Fuzzy Logic Applications in Intelligent Systems. , 1992, , .		317

#	ARTICLE	IF	CITATIONS
20	On Variable Binding in Connectionist Networks. Connection Science, 1992, 4, 93-124.	1.8	81
21	Neurofuzzy Controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1992, 25, 13-26.	0.4	2
22	Creativity in GDSS: an integration of creativity, group dynamics, and problem solving theory. , 1992, , .		10
23	Fuzzy Logic Controllers. , 1992, , 69-96.		118
24	Intelligent control of a flying vehicle using fuzzy associative memory system. , 0, , .		13
25	A system for organizational learning using cognitive maps. Omega, 1992, 20, 23-36.	3.6	116
26	A cognitive-map-based approach to the coordination of distributed cooperative agents. IEEE Transactions on Systems, Man, and Cybernetics, 1992, 22, 103-114.	0.9	126
27	SIMON: an object-oriented information system for coordinating strategies and operations. IEEE Transactions on Systems, Man, and Cybernetics, 1992, 22, 513-525.	0.9	17
28	Beyond associative memories: Logics and variables in connectionist models. Information Sciences, 1993, 70, 49-73.	4.0	9
29	Convergence in problem solving: a prelude to quantitative analysis. IEEE Transactions on Systems, Man, and Cybernetics, 1993, 23, 746-765.	0.9	25
30	From fuzzy input requirements to crisp design. International Journal of Advanced Manufacturing Technology, 1993, 8, 52-60.	1.5	11
31	Two-degree-of-freedom fuzzy model using associative memories and its applications. Information Sciences, 1993, 71, 65-97.	4.0	18
32	Utilizing semantic networks and fuzzy logic for the creation of the Planning Coordinator's primitive structure database. , 0, , .		2
33	Identifying relational error recovery/online plans utilizing fuzzy logic techniques and semantic networks. , 0, , .		0
34	Virtual worlds as fuzzy cognitive maps. , 0, , .		97
35	Integration of information and knowledge from the engineering activity to the workshop control. , 0, , .		4
36	Adapting semantic networks and fuzzy logic for the creation of the planning coordinator's primitive structure database. , 0, , .		1
37	ADAPTIVE INFERENCE IN FUZZY KNOWLEDGE NETWORKS. , 1993, , 888-891.		44

#	ARTICLE	IF	CITATIONS
38	Inference in cognitive maps. Mathematics and Computers in Simulation, 1994, 36, 137-148.	2.4	51
39	Fuzzy-neuro control using associative memories, and its applications. Control Engineering Practice, 1994, 2, 129-145.	3.2	9
40	Reasoning on domain knowledge level in human-computer interaction. Information Sciences, 1994, 1, 31-46.	0.3	3
41	Fuzzy neural network implementation of self tuning PID control systems. , 0, , .		9
42	Modeling dynamic social and psychological processes with fuzzy cognitive maps. , 0, , .		31
43	A neural network model of causality. IEEE Transactions on Neural Networks, 1994, 5, 604-611.	4.8	16
44	Neural Networks in Modelling of Complex Industrial Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 229-234.	0.4	0
45	Robust Control for Manufacturing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 269-273.	0.4	0
46	Distributed fuzzy system modeling. IEEE Transactions on Systems, Man, and Cybernetics, 1995, 25, 769-780.	0.9	48
47	Fuzzy cognitive maps considering time relationships. International Journal of Human Computer Studies, 1995, 42, 157-168.	3.7	113
48	A new approach toward modeling causality in commonsense reasoning. International Journal of Intelligent Systems, 1995, 10, 581-616.	3.3	6
49	A Neurosymbolic Integrated Model for Semantic Ambiguation Resolution. , 0, , .		5
50	Improving reusing abilities in concurrent engineering. , 0, , .		4
51	Constructing fuzzy cognitive maps. , 0, , .		30
52	Fuzzy cognitive maps over possible worlds. , 0, , .		13
53	Multi-layered FCMs applied to context dependent learning. , 0, , .		4
54	Applying fuzzy cognitive-maps knowledge-representation to failure modes effects analysis. , 0, , .		61
55	Multiattribute Decision Making in Context: A Dynamic Neural Network Methodology. Cognitive Science, 1996, 20, 271-299.	0.8	40

#	ARTICLE	IF	CITATIONS
56	Cognitive reasoning using fuzzy neural nets. IEEE Transactions on Systems, Man, and Cybernetics, 1996, 26, 616-619.	5.5	19
57	Commonsense knowledge representation and reasoning with fuzzy neural networks. , 0, , .		5
58	A knowledge-based analysis system of design. Environment and Planning B: Planning and Design, 1996, 23, 353-367.	1.7	4
59	Using fuzzy cognitive maps as a system model for failure modes and effects analysis. Information Sciences, 1996, 88, 177-199.	4.0	156
60	Fuzzy cognitive maps for policy analysis. , 0, , .		23
61	An intelligent hierarchical decision architecture for operational test and evaluation. , 0, , .		2
62	Introducing the theory of fuzzy cognitive maps in distributed systems. , 0, , .		38
63	Using fuzzy cognitive maps for data abstraction and synthesis in decision making. , 0, , .		1
64	The Golden Section and the Aesthetics of Form and Composition: A Cognitive Model. Empirical Studies of the Arts, 1997, 15, 209-232.	0.9	45
65	Development of Concrete Bridge Rating Prototype Expert System with Machine Learning. Journal of Computing in Civil Engineering, 1997, 11, 238-247.	2.5	36
66	High-level decisions from low-level data. , 0, , .		1
67	Fault Diagnostic Schemes Based on Fuzzy Cognitive Map. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 733-738.	0.4	0
68	Generating consensus fuzzy cognitive maps. , 0, , .		15
69	Model of knowledge, emotion and awareness. , 0, , .		8
70	Disconcepts and fuzzy cognitive maps. Lecture Notes in Computer Science, 1997, , 407-416.	1.0	0
71	Content-based visualization for intelligent problem-solving environments. International Journal of Human Computer Studies, 1997, 46, 409-441.	3.7	4
72	Cognitive mapping and certainty neuron fuzzy cognitive maps. Information Sciences, 1997, 101, 109-130.	4.0	63
73	The challenge of modelling supervisory systems using fuzzy cognitive maps. Journal of Intelligent Manufacturing, 1998, 9, 339-345.	4.4	79

#	ARTICLE	IF	CITATIONS
74	A relational model of cognitive maps. International Journal of Human Computer Studies, 1998, 49, 181-200.	3.7	16
75	Modeling spatial relationships within a fuzzy framework. Journal of the Association for Information Science and Technology, 1998, 49, 253-266.	1.2	38
76	Application of fuzzy cognitive maps to factors affecting slurry rheology. International Journal of Mineral Processing, 1998, 52, 233-244.	2.6	59
77	The MYCIN certainty factor handling function as uninorm operator and its use as a threshold function in artificial neurons. Fuzzy Sets and Systems, 1998, 93, 263-274.	1.6	52
78	Automatic construction of FCMs. Fuzzy Sets and Systems, 1998, 93, 161-172.	1.6	124
79	Fuzzy implications of fuzzy cognitive map with emphasis on fuzzy causal relationship and fuzzy partially causal relationship. Fuzzy Sets and Systems, 1998, 97, 303-313.	1.6	83
80	A Cognitive Model Based Approach for Organizational Conflict Resolution. International Journal of Information Management, 1998, 18, 443-456.	10.5	6
81	Two neuron fuzzy cognitive map dynamics. International Journal of Computer Mathematics, 1998, 67, 47-75.	1.0	1
82	Global stability of generalized additive fuzzy systems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 1998, 28, 441-452.	3.3	41
83	Symbolic connectionism in natural language disambiguation. IEEE Transactions on Neural Networks, 1998, 9, 739-755.	4.8	15
85	A causal knowledge-driven inference engine for expert system. , 0, , .		2
86	Fuzzy Cognitive Maps Modelling Supervisory Large Scale Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 93-98.	0.4	9
87	A Study on the Development of Robust Fault Diagnostic System Based on Neuro-Fuzzy Scheme. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 173-178.	0.4	1
88	An Overview and Critical Issues for Research and Education of Intelligent Manufacturing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 679-687.	0.4	1
89	Application of Fuzzy Cognitive Maps in Large Manufacturing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 521-526.	0.4	4
90	<title>Laser-based obstacle detection and avoidance system</title>. , 1998, 3366, 2.		1
91	Virtual Campus: scenarios, obstacles and experiences. , 0, , .		6
92	Modeling Cognition with Fuzzy Neural Nets. , 1999, , 1341-1391.		11

#	ARTICLE	IF	CITATIONS
93	Cooperative works for agent robot and human using robot vision based on the model of knowledge, emotion and intention. , 0, , .		6
94	Contextual fuzzy cognitive maps for geographic information systems. , 1999, , .		5
95	Fuzzy cognitive map and its causal inferences. , 1999, , .		6
96	The use of fuzzy cognitive maps to simulate the information systems strategic planning process. Information and Software Technology, 1999, 41, 197-210.	3.0	101
97	Fuzzy Cognitive Maps: a model for intelligent supervisory control systems. Computers in Industry, 1999, 39, 229-238.	5.7	111
98	Dynamic Benchmarks for Operations Evaluation Using Soft Computing Methods. Decision Sciences, 1999, 30, 19-45.	3.2	3
99	A Soft Computing Approach for Modelling the Supervisor of Manufacturing Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 1999, 26, 389-403.	2.0	55
100	Supporting business process redesign using cognitive maps. Decision Support Systems, 1999, 25, 155-178.	3.5	70
101	An experimental study of the dynamics of the certainty neuron fuzzy cognitive maps. Neurocomputing, 1999, 24, 95-116.	3.5	39
102	Editorial: 30th Anniversary Issue. International Journal of Human Computer Studies, 1999, 51, 119-124.	3.7	0
103	Mental models concepts revisited: some clarifications and a reply to Lane. System Dynamics Review, 1999, 15, 411-415.	1.1	92
104	Contextual fuzzy cognitive map for decision support in geographic information systems. IEEE Transactions on Fuzzy Systems, 1999, 7, 495-507.	6.5	112
105	Equilibrium relations and bipolar fuzzy clustering. , 0, , .		5
106	A contextual fuzzy cognitive map framework for geographic information systems. IEEE Transactions on Fuzzy Systems, 1999, 7, 481-494.	6.5	54
107	Dynamical cognitive network-an extension of fuzzy cognitive map. , 0, , .		9
108	The challenge of using soft computing methodologies in supervisory control systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 285-290.	0.4	0
109	Utilisation of soft computing techniques to model abstract manufacturing information. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 153-158.	0.4	1
110	Fuzzy cognitive mapping: Applications in education. International Journal of Intelligent Systems, 2000, 15, 1-25.	3.3	49

#	ARTICLE	IF	CITATIONS
111	Internet enabled synergistic intelligent systems and their applications to efficient management of Operational Organizations. Information Sciences, 2000, 127, 45-62.	4.0	6
112	Modelling supervisory control systems using fuzzy cognitive maps. Chaos, Solitons and Fractals, 2000, 11, 329-336.	2.5	93
113	Fuzzy cognitive map for the design of EDI controls. Information and Management, 2000, 37, 37-50.	3.6	49
114	Title is missing!. Integrated Assessment: an International Journal, 2000, 1, 177-188.	0.8	22
115	Petri nets modeling for dynamic fuzzy anticipatory systems. AIP Conference Proceedings, 2000, , .	0.3	0
116	Proposal of emotion model in robot-assisted-activity. , 0, , .		0
117	Design of intelligent control systems with use of soft computing: conceptions and methods. , 0, , .		0
118	Information, Uncertainty and Fusion. , 2000, , .		5
119	Cognitive fuzzy modeling for enhanced risk assessment in a health care institution. IEEE Intelligent Systems, 2000, 15, 69-75.	0.2	46
120	On causal inference in fuzzy cognitive maps. IEEE Transactions on Fuzzy Systems, 2000, 8, 107-119.	6.5	130
121	Rule based fuzzy cognitive maps-qualitative systems dynamics. , 0, , .		38
122	Fuzzy cognitive maps: a soft computing technique for intelligent control. , 0, , .		31
123	Knowledge discovery of gene functions and metabolic pathways. , 0, , .		0
124	Dynamical cognitive network - an extension of fuzzy cognitive map. IEEE Transactions on Fuzzy Systems, 2001, 9, 760-770.	6.5	145
125	Fuzzy cognitive maps for decision support in an intelligent intrusion detection system. , 0, , .		43
126	Emotion model in robot assisted activity. , 0, , .		3
127	Anamorphosis of fuzzy cognitive maps for operation in ambiguous and multi-stimulus real world environments. , 0, , .		21
128	Intelligent robot system using "model of knowledge, emotion and intention" and "information sharing architecture". , 0, , .		1



#	ARTICLE	IF	CITATIONS
129	Human centered architecture by means of Q-learning algorithm and the KEI (knowledge, emotion and) Tj ETQq0 0 0 rgBT /Ovrlock 10 T		3
130	Intelligent robot system using "model of knowledge, emotion and intention" and "information sharing architecture". , 0, , .		3
131	Small-sample quantization effects on the equilibrium behavior of combined fuzzy cognitive maps. , 0, , .		4
132	Automatic implementation and simulation of dynamic qualitative systems using fuzzy boolean networks and fuzzy rule-based cognitive maps. , 0, , .		1
133	Transaction Based Risk analysis - Using Cognitive Fuzzy Techniques. , 2001, , 141-156.		6
134	Complex Systems and Intelligent Control: Issues and Challenges. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 29-36.	0.4	4
135	Fuzzy Cognitive Maps Multi-Model for Complex Manufacturing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 61-66.	0.4	4
136	Rule based fuzzy cognitive maps - expressing time in qualitative system dynamics. , 0, , .		39
137	The random neural model and the fuzzy logic on cognitive maps. , 0, , .		0
138	Quotient fuzzy cognitive maps. , 0, , .		2
139	Fuzzy cognitive state map vs markovian modeling of user's web behavior. , 0, , .		2
140	Learning fuzzy cognitive maps using evolution strategies: a novel schema for modeling and simulating high-level behavior. , 0, , .		61
141	Mining user's Web searching skills through fuzzy cognitive state map. , 0, , .		3
142	Put fuzzy cognitive maps to work in virtual worlds. , 0, , .		16
143	Creating metabolic and regulatory network models using fuzzy cognitive maps. , 0, , .		18
144	Necessary and sufficient causal ground and effect is measured by fuzzy cardinality and may represent natural edge strength connections in a clinical fuzzy cognitive map. , 0, , .		2
145	Rapid Assessment of Water Systems based on Internal Consistency. Journal of Water Resources Planning and Management - ASCE, 2002, 128, 240-247.	1.3	6
146	System formation algorithm of communication network quality factors using artificial neural networks. , 0, , .		2

#	ARTICLE	IF	CITATIONS
147	Dynamic domination for fuzzy cognitive maps. , 0, , .		0
148	FUZZY COGNITIVE MAPS MODEL FOR LARGE SCALE COMPLEX SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 277-282.	0.4	2
149	Believable decision for virtual actors. , 0, , .		5
150	Issues on the stability of fuzzy cognitive maps and rule-based fuzzy cognitive maps. , 0, , .		15
151	Fuzzy cognitive agents for personalized recommendation. , 0, , .		10
152	Bipolar fuzzy cognitive mapping and bipolar visualization for OLAP/OLAM. , 0, , .		0
153	Principal agent problem: a cognitive map approach. Electronic Commerce Research and Applications, 2002, 1, 174-192.	2.5	11
154	Fuzzy cognitive map approach to web-mining inference amplification. Expert Systems With Applications, 2002, 22, 197-211.	4.4	107
155	Knowledge-based data mining of news information on the Internet using cognitive maps and neural networks. Expert Systems With Applications, 2002, 23, 1-8.	4.4	70
156	Agent that models, reasons and makes decisions. Knowledge-Based Systems, 2002, 15, 203-211.	4.0	30
157	Bonobo (Pan paniscus) Spatial Memory and Communication in a 20-hectare Forest. International Journal of Primatology, 2002, 23, 601-619.	0.9	43
158	A Participatory Approach to Ecosystem Conservation: Fuzzy Cognitive Maps and Stakeholder Group Analysis in Uluabat Lake, Turkey. Environmental Management, 2003, 31, 518-531.	1.2	150
159	Interrogating the structure of fuzzy cognitive maps. Soft Computing, 2003, 7, 148-153.	2.1	24
160	Fuzzy cognitive maps in GIS data analysis. Soft Computing, 2003, 7, 394-401.	2.1	8
161	Group cognitive mapping: a methodology and system for capturing and evaluating managerial and organizational cognition. Omega, 2003, 31, 113-125.	3.6	102
162	An integrated two-level hierarchical system for decision making in radiation therapy based on fuzzy cognitive maps. IEEE Transactions on Biomedical Engineering, 2003, 50, 1326-1339.	2.5	153
163	Fuzzy Cognitive Map Learning Based on Nonlinear Hebbian Rule. Lecture Notes in Computer Science, 2003, , 256-268.	1.0	130
164	Intelligent space and human centered robotics. IEEE Transactions on Industrial Electronics, 2003, 50, 881-889.	5.2	39

#	ARTICLE	IF	CITATIONS
165	Fuzzy feature extraction and visualization for intrusion detection. , 0, , .		6
166	Predicting plant species richness in a managed forest. Forest Ecology and Management, 2003, 180, 583-593.	1.4	35
167	Equilibrium relations and bipolar cognitive mapping for online analytical processing with applications in international relations and strategic decision support. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 295-307.	5.5	37
168	The Cyprus puzzle and the Greek - Turkish arms race: Forecasting developments using genetically evolved fuzzy cognitive maps. Defence and Peace Economics, 2003, 14, 293-310.	1.0	23
169	Quotient FCMs - A decomposition theory for fuzzy cognitive maps. IEEE Transactions on Fuzzy Systems, 2003, 11, 593-604.	6.5	34
170	Cooperating through a belief-based trust computation. , 0, , .		6
171	An integrated approach to intelligent modeling of industrial plants. , 0, , .		1
172	A Fuzzy Approach to a Belief-Based Trust Computation. Lecture Notes in Computer Science, 2003, , 73-86.	1.0	28
173	Analyses of the environmental impacts of an eco-industrial park using fuzzy cognitive maps. , 0, , .		3
174	TOPICAL ISSUES OF SYSTEMS ENGINEERING. Journal of Civil Engineering and Management, 2003, 9, 214-217.	1.9	2
175	A first study of fuzzy cognitive maps learning using particle swarm optimization. , 0, , .		91
176	Using Fuzzy Cognitive Maps as a Decision Support System for Political Decisions. Lecture Notes in Computer Science, 2003, , 172-182.	1.0	25
177	Educating the guess: strategies, concepts and tools for the fuzzy front end of product development. , 0, , .		27
178	Communication robot system using "ontological neural network". , 0, , .		0
179	Proposal of emotion-driven control model for robot-assisted activity. , 0, , .		0
180	Trust in information sources as a source for trust. , 2003, , .		52
181	Information Demand and Information Supply in River Basin Management. Systems Analysis Modelling Simulation, 2003, 43, 469-482.	0.1	2
183	Production Planning for Complex Plants using Fuzzy Cognitive Maps. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 81-86.	0.4	2

#	ARTICLE	IF	CITATIONS
184	Integrating market and technological knowledge in the fuzzy front end: an FCM-based action support system. International Journal of Technology Management, 2003, 26, 517.	0.2	38
185	Evaluation of the Teaching-Learning Process with Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2004, , 922-931.	1.0	10
186	Proteomics Studies of Traumatic Brain Injury. International Review of Neurobiology, 2004, 61, 215-240.	0.9	29
187	Fuzzy cognitive map learning based on improved nonlinear Hebbian rule. , 0, , .		8
189	Qualitative modelling of an economic system using rule-based fuzzy cognitive maps. , 0, , .		19
190	Intrusion sensor data fusion in an intelligent intrusion detection system architecture. , 2004, , .		31
191	Fuzzy cognitive maps for decision support in an automatic intrusion response mechanism. , 0, , .		8
192	DECISION MAKING FOR NETWORK HEALTH ASSESSMENT IN AN INTELLIGENT INTRUSION DETECTION SYSTEM ARCHITECTURE. International Journal of Information Technology and Decision Making, 2004, 03, 281-306.	2.3	9
193	Emotionally motivated reinforcement learning based controller. , 0, , .		18
194	Learning fuzzy cognitive maps with required precision using genetic algorithm approach. Electronics Letters, 2004, 40, 1519.	0.5	31
195	Integrated approach of cognitive maps and neural networks using qualitative information on the World Wide Web: the KBNMiner. Expert Systems, 2004, 21, 243-252.	2.9	11
196	Ecological models based on people's knowledge: a multi-step fuzzy cognitive mapping approach. Ecological Modelling, 2004, 176, 43-64.	1.2	682
197	Group Decision Support Using Fuzzy Cognitive Maps for Causal Reasoning. Group Decision and Negotiation, 2004, 13, 463-480.	2.0	124
198	Investment analysis & decision making in markets using adaptive fuzzy causal relationships. Operational Research, 2004, 4, 213-233.	1.3	12
199	Fuzzy cognitive map-based approach to evaluate EDI performance: a test of causal model. Expert Systems With Applications, 2004, 27, 287-299.	4.4	39
200	A fuzzy cognitive map approach to support urban design. Expert Systems With Applications, 2004, 26, 257-268.	4.4	84
201	Generating consistent subjective estimates of the magnitudes of causal relationships in fuzzy cognitive maps. Computers and Operations Research, 2004, 31, 1165-1175.	2.4	22
202	Fuzzy cognitive maps as a back end to knowledge-based systems in geographically dispersed financial organizations. Knowledge and Process Management, 2004, 11, 137-154.	2.9	11

#	ARTICLE	IF	CITATIONS
203	Active Hebbian learning algorithm to train fuzzy cognitive maps. International Journal of Approximate Reasoning, 2004, 37, 219-249.	1.9	276
204	Automatic discourse structure detection using shallow textual continuity. International Journal of Human Computer Studies, 2004, 61, 138-164.	3.7	2
205	Computer aided fuzzy medical diagnosis. Information Sciences, 2004, 162, 81-104.	4.0	101
206	Modelling physical systems using fuzzy inference cognitive maps. , 2004, , .		0
207	Towards a holistic knowledge management model. Journal of Knowledge Management, 2004, 8, 32-46.	3.2	74
208	Evolutionary Computation Techniques for Optimizing Fuzzy Cognitive Maps in Radiation Therapy Systems. Lecture Notes in Computer Science, 2004, , 402-413.	1.0	24
209	Modeling Complex Systems Using Fuzzy Cognitive Maps. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2004, 34, 155-162.	3.4	340
210	Extraction of Salient Textual Patterns: Synergy Between Lexical Cohesion and Contextual Coherence. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2004, 34, 205-218.	3.4	14
211	Fuzzy modeling of metabolic maps in MetNetDB. , 2004, , .		0
212	The challenge of using unsupervised learning algorithms for fuzzy cognitive maps. , 0, , .		1
213	Two-stage learning algorithm for fuzzy cognitive maps. , 0, , .		6
214	The Challenge of Soft Computing Techniques for Tumor Characterization. Lecture Notes in Computer Science, 2004, , 1031-1036.	1.0	4
215	A Cognitive Model for Alert Correlation in a Distributed Environment. Lecture Notes in Computer Science, 2005, , 218-230.	1.0	12
216	Genetic learning of fuzzy cognitive maps. Fuzzy Sets and Systems, 2005, 153, 371-401.	1.6	416
217	Prediction of socio-economical consequences of privatization at the firm level with fuzzy cognitive mapping. Information Sciences, 2005, 169, 131-154.	4.0	36
218	Reasoning and unsupervised learning in a fuzzy cognitive map. Information Sciences, 2005, 170, 419-441.	4.0	65
219	Development of dynamic cognitive networks as complex systems approximators: validation in financial time series. Applied Soft Computing Journal, 2005, 5, 157-179.	4.1	43
220	A new hybrid method using evolutionary algorithms to train Fuzzy Cognitive Maps. Applied Soft Computing Journal, 2005, 5, 409-431.	4.1	130

#	ARTICLE	IF	CITATIONS
221	Predicting the effects of perturbations on ecological communities: what can qualitative models offer?. Journal of Animal Ecology, 2005, 74, 905-916.	1.3	48
222	Soft computing for crisis management and political decision making: the use of genetically evolved fuzzy cognitive maps. Soft Computing, 2005, 9, 194-210.	2.1	78
223	A soft knowledge modeling approach for geographically dispersed financial organizations. Soft Computing, 2005, 9, 579-593.	2.1	21
224	Fuzzy Cognitive Maps Learning Using Particle Swarm Optimization. Journal of Intelligent Information Systems, 2005, 25, 95-121.	2.8	132
225	FCModeler. , 2005, , 77-87.		0
226	Autonomous trust for web services. Internet Research, 2005, 15, 498-507.	2.7	14
228	Integrating a MAS and a Pandemonium. , 2005, , .		0
230	A Fuzzy Cognitive Map Hierarchical Model for Differential Diagnosis of Dysarthrias and Apraxia of Speech. , 2005, 2005, 2409-12.		7
231	Using Fuzzy Cognitive Maps to Assess MIS Organizational Change Impact. , 0, , .		12
232	Evolutionary Development of Fuzzy Cognitive Maps. , 0, , .		21
234	Tree-Structured Multi-Layer Fuzzy Cognitive Maps for Modelling Large Scale, Complex Problems. , 0, , .		5
235	Fuzzy-based Schema Mechanisms in AKIRA. , 0, , .		2
236	Multi-Objective Evolutionary Fuzzy Cognitive Maps for Decision Support. , 0, , .		13
237	Modeling Uncertainty in Clinical Diagnosis Using Fuzzy Logic. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 1340-1350.	5.5	94
238	Fuzzy cognitive agents in shared virtual worlds. , 2005, , .		9
239	The Reasoning Mechanism of Fuzzy Cognitive Maps. , 2005, , .		1
240	Using fuzzy cognitive maps as an intelligent analyst. , 2005, , .		6
241	Agent mediated autonomic service orchestration in grid environment. , 0, , .		6

#	ARTICLE	IF	CITATIONS
242	Multi-Level Alert Clustering for Intrusion Detection Sensor Data. , 0, , .		16
243	Augmented Fuzzy Cognitive Maps Supplemented with Case Based Reasoning for Advanced Medical Decision Support. , 2005, , 391-405.		18
244	Distributed Machine Learning Using Fuzzy Cognitive Maps. , 2005, , 497-520.		0
245	Causal maps and the evaluation of decision optionsâ€”a review. Journal of the Operational Research Society, 2006, 57, 779-791.	2.1	144
246	Using Fuzzy Cognitive Maps for Knowledge Management in a Conflict Environment. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 810-821.	3.3	33
247	Forest Fire Modelling using Rule-Based Fuzzy Cognitive Maps and Voronoi Based Cellular Automata. , 2006, , .		19
248	Decomposition and Hierarchical Process for Fuzzy Cognitive Maps of Complex Systems. , 2006, , .		1
249	A new Methodology of Mining Cognitive Maps. , 2006, , .		0
250	Using Rule-based Fuzzy Cognitive Maps to Model Dynamic Cell Behavior in Voronoi Based Cellular Automata. , 2006, , .		14
252	Dynamic domination in fuzzy causal networks. IEEE Transactions on Fuzzy Systems, 2006, 14, 42-57.	6.5	25
253	A Fuzzy Cognitive Network Based Control Scheme for An Anaerobic Digestion Process. , 2006, , .		10
254	Fuzzy Cognitive Maps for Engineering and Technology Management: What Works in Practice?. , 2006, , .		28
255	New Maximum Power Point Tracker for PV Arrays Using Fuzzy Controller in Close Cooperation With Fuzzy Cognitive Networks. IEEE Transactions on Energy Conversion, 2006, 21, 793-803.	3.7	264
256	Fuzzy causal networks: general model, inference, and convergence. IEEE Transactions on Fuzzy Systems, 2006, 14, 412-420.	6.5	29
257	Action Selection in Robots Based on Learning Fuzzy Cognitive Map. , 2006, , .		6
258	Large Scale Agent Mediated Autonomic Service Orchestration in Grid Environment. , 2006, , .		0
259	Participatory modeling and analysis for sustainable forest management: Overview of soft system dynamics models and applications. Forest Policy and Economics, 2006, 9, 179-196.	1.5	104
260	Quantitative fuzzy cognitive maps for data integration. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
261	Evolutionary Multilayered Fuzzy Cognitive Maps: A Hybrid System Design to Handle Large-Scale, Complex, Real-World Problems. , 0, , .		5
262	Fuzzy Empiricism and Fuzzyâ€œSet Causality: What Is All the Fuzz About?*. Philosophy of Science, 2006, 73, 26-41.	0.5	16
263	Balanced fuzzy setsâ€œ. Information Sciences, 2006, 176, 2467-2506.	4.0	24
264	A soft computing method for multi-criteria decision making with dependence and feedback. Applied Mathematics and Computation, 2006, 180, 63-75.	1.4	175
265	Sustainability appraisal in infrastructure projects (SUSAIP). Automation in Construction, 2006, 15, 239-251.	4.8	165
266	Unsupervised learning techniques for fine-tuning fuzzy cognitive map causal links. International Journal of Human Computer Studies, 2006, 64, 727-743.	3.7	166
267	Fuzzy Cognitive Maps for stereovision matching. Pattern Recognition, 2006, 39, 2101-2114.	5.1	25
268	Comparison of fuzzy logic and artificial neural networks approaches in vehicle delay modeling. Transportation Research Part C: Emerging Technologies, 2006, 14, 316-334.	3.9	43
269	Decision-making support in weakly structured subject domains: Analysis of situations and evaluation of alternatives. Journal of Computer and Systems Sciences International, 2006, 45, 469-479.	0.2	8
270	A Generic Shallow Lake Ecosystem Model Based on Collective Expert Knowledge. Hydrobiologia, 2006, 563, 125-142.	1.0	35
271	Advanced soft computing diagnosis method for tumour grading. Artificial Intelligence in Medicine, 2006, 36, 59-70.	3.8	75
272	Beyond keyword and cue-phrase matching: A sentence-based abstraction technique for information extraction. Decision Support Systems, 2006, 42, 759-777.	3.5	18
273	Causal mapping as a tool to mechanistically interpret phenomena in cell motility: Application to cortical oscillations in spreading cells. Cytoskeleton, 2006, 63, 523-532.	4.4	11
274	An Evolutionary Methodology to Eliminate the Limit Cycle Phenomenon in FCM-Based Models. , 0, , .		3
275	Fuzzy cognitive goal net for interactive storytelling plot design. , 2006, , .		8
276	Cognitive mapâ€œbased web site design: empirical analysis approach. Online Information Review, 2006, 30, 139-154.	2.2	13
277	AN ALTERNATIVE APPROACH TO FIRMS' EVALUATION: EXPERT SYSTEMS AND FUZZY LOGIC. International Journal of Information Technology and Decision Making, 2006, 05, 195-225.	2.3	32
278	Higher-order Fuzzy Cognitive Maps. , 2006, , .		19



#	ARTICLE	IF	CITATIONS
279	Efficient Fuzzy Cognitive Modeling for Unstructured Information. , 2006, , .		1
280	Probabilistic Fuzzy Cognitive Map. , 2006, , .		8
281	The Equivalence of Cognitive Map, Fuzzy Cognitive Map and Multi Value Fuzzy Cognitive Map. , 2006, , .		3
282	Fuzzy Cognitive Networks + Fuzzy Controller as a self adapting control system for Tracking Maximum Power Point of a PV-Array. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , .	0.0	2
283	Disaster management model based on Modified Fuzzy Cognitive Maps. , 2007, , .		4
284	Fuzzy Causal Maps for Asset Management: An Approach for Problem-Structuring and Multi-Criteria Evaluation in Electrical Utilities. , 2007, , .		8
285	Fuzzy cognitive map learning based on multi-objectiveparticle swarm optimization. , 2007, , .		3
286	Peer-to-peer autonomic location based services. , 2007, , .		1
287	Analysis of Multi-Actor Policy Contexts Using Perception Graphs. , 2007, , .		10
288	Fuzzy cognitive network: A general framework. Intelligent Decision Technologies, 2007, 1, 183-196.	0.6	57
290	Assessing the value of information in a fuzzy cognitive map. , 2007, , .		0
291	Stability Analysis of Fuzzy Hopfield Networks Based on Weakly Continuous T-Norms. , 2007, , .		1
292	Agent Mediated Peer-to-Peer Mobile Service-Oriented Architecture. , 2007, , .		7
293	A Knowledge Based System Design for the Prediction of Supernova Effects in the Interstellar Environment. , 2007, , .		0
294	Qualitatively troubleshooting electronic circuits using fuzzy cognitive maps. , 2007, , .		2
295	Enhanced Avatar Design Using Cognitive Map-Based Simulation. Cyberpsychology, Behavior and Social Networking, 2007, 10, 757-766.	2.2	2
296	Qualitative simulation of construction performance using fuzzy cognitive maps. , 2007, , .		8
297	Enhanced Learning in Fuzzy Simulation Models Using Memetic Particle Swarm Optimization. , 2007, , .		10

#	ARTICLE	IF	CITATIONS
298	Supply chain risk analysis with fuzzy cognitive maps. , 2007, , .		11
300	A Research of Tacit Knowledge Externalization Based on Dynamical Fuzzy Cognitive Maps. , 2007, , .		0
301	Parallel Learning of Large Fuzzy Cognitive Maps. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	35
302	Quantization effects on the equilibrium behavior of combined fuzzy cognitive maps. International Journal of Intelligent Systems, 2007, 22, 181-202.	3.3	33
303	A hybrid fuzzy cognitive model based on weighted OWA operators and single-antecedent rules. International Journal of Intelligent Systems, 2007, 22, 1189-1196.	3.3	0
304	Assessment of human reliability factors: A fuzzy cognitive maps approach. International Journal of Industrial Ergonomics, 2007, 37, 405-413.	1.5	70
305	Intelligent modeling of e-business maturity. Expert Systems With Applications, 2007, 32, 687-702.	4.4	66
306	Comparing simulated annealing and genetic algorithm in learning FCM. Applied Mathematics and Computation, 2007, 192, 56-68.	1.4	71
307	Fuzzy trust evaluation and credibility development in multi-agent systems. Applied Soft Computing Journal, 2007, 7, 492-505.	4.1	113
308	A novel maximum power point tracking method for PV systems using fuzzy cognitive networks (FCN). Electric Power Systems Research, 2007, 77, 315-327.	2.1	80
309	Modelling IT projects success with Fuzzy Cognitive Maps. Expert Systems With Applications, 2007, 32, 543-559.	4.4	146
310	Novel scales based on hydrophobicity indices for secondary protein structure. Journal of Theoretical Biology, 2007, 248, 354-366.	0.8	42
311	Water Quality Failures in Distribution Networksâ€”Risk Analysis Using Fuzzy Logic and Evidential Reasoning. Risk Analysis, 2007, 27, 1381-1394.	1.5	84
312	Investigation of online community voluntary behavior using cognitive map. Computers in Human Behavior, 2007, 23, 111-126.	5.1	98
313	Exploring the user interface of negotiation support systems from the user acceptance perspective. Computers in Human Behavior, 2007, 23, 220-239.	5.1	53
314	Supporting factoring transactions in Brazil using reasoning maps: a language-based DSS for evaluating accounts receivable. Decision Support Systems, 2007, 42, 2085-2092.	3.5	16
315	Integrating conventional science and aboriginal perspectives on diabetes using fuzzy cognitive maps. Social Science and Medicine, 2007, 64, 562-576.	1.8	74
316	A cognitive approach for agent-based personalized recommendation. Knowledge-Based Systems, 2007, 20, 397-405.	4.0	59

#	ARTICLE	IF	CITATIONS
317	Causal knowledge and reasoning by cognitive maps: Pursuing a holistic approach. Expert Systems With Applications, 2008, 35, 2-18.	4.4	24
318	An expert system using an extended AND/OR graph. Knowledge-Based Systems, 2008, 21, 38-51.	4.0	7
319	Intelligent impact assessment of HRM to the shareholder value. Expert Systems With Applications, 2008, 35, 2017-2031.	4.4	42
320	Comparing the inference capabilities of binary, trivalent and sigmoid fuzzy cognitive maps. Information Sciences, 2008, 178, 3880-3894.	4.0	211
321	Interpretability constraints for fuzzy information granulation. Information Sciences, 2008, 178, 4585-4618.	4.0	145
322	Fuzzy cognitive map architectures for medical decision support systems. Applied Soft Computing Journal, 2008, 8, 1243-1251.	4.1	166
323	Fuzzy modeling Enterprise Resource Planning tool selection. Computer Standards and Interfaces, 2008, 30, 137-147.	3.8	86
324	A cognitive map-driven avatar design recommendation DSS and its empirical validity. Decision Support Systems, 2008, 45, 461-472.	3.5	23
325	Numerical and Linguistic Prediction of Time Series With the Use of Fuzzy Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2008, 16, 61-72.	6.5	158
326	Fuzzy Cognitive Map based decision support system for thyroid diagnosis management. , 2008, , .		10
327	Context modeling with Evolutionary Fuzzy Cognitive Map in interactive storytelling. , 2008, , .		7
328	Fuzzy cognitive map modelling educational software adoption. Computers and Education, 2008, 51, 1569-1588.	5.1	58
329	Path Planning in Dynamic Environment using Fuzzy Cognitive Maps. , 2008, , .		31
330	Fuzzy expert maps: The new approach. , 2008, , .		2
331	Facing Multicollinearity in a Fuzzy Cognitive Maps Environment Using Bias Nodes. , 2008, , .		0
332	A Proactive Fuzzy Cognitive Balanced Scorecard. , 2008, , .		3
333	Ubiquitous digital E-learning ecosystem. , 2008, , .		6
334	Trust Modelling in E-Commerce through Fuzzy Cognitive Maps. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
335	Reasoning maps for decision aid: an integrated approach for problem-structuring and multi-criteria evaluation. Journal of the Operational Research Society, 2008, 59, 575-589.	2.1	98
336	Using Fuzzy Cognitive Maps to Reduce False Alerts in SOM-Based Intrusion Detection Sensors. , 2008, , .		4
337	A new traversing and execution algorithm for Multilayered Fuzzy Cognitive Maps. , 2008, , .		6
338	Towards real-time intrusion detection using fuzzy cognitive maps modeling and simulation. , 2008, , .		4
339	A Learning Algorithm of Fuzzy Cognitive Map in Document Classification. , 2008, , .		5
340	Causal Design Knowledge Acquisition by Constructing BBN Through FCM. , 2008, , .		1
341	Data-driven Nonlinear Hebbian Learning method for Fuzzy Cognitive Maps. , 2008, , .		73
342	Fuzzy modeling and simulation of purse-seine fishing skippers behavior. , 2008, , .		1
343	Temporal fuzzy cognitive maps. , 2008, , .		6
344	ClusFCM: AN ALGORITHM FOR PREDICTING PROTEIN FUNCTIONS USING HOMOLOGIES AND PROTEIN INTERACTIONS. Journal of Bioinformatics and Computational Biology, 2008, 06, 203-222.	0.3	8
345	FUZZY COGNITIVE MAPS FOR PATTERN RECOGNITION APPLICATIONS. International Journal of Pattern Recognition and Artificial Intelligence, 2008, 22, 1461-1486.	0.7	105
346	Distributed situation assessment for intelligent sensor networks based on hierarchical fuzzy cognitive maps. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	4
347	On the existence and uniqueness of solutions for the concept values in Fuzzy Cognitive Maps. , 2008, , .		19
348	Issues on Dynamic Cognitive Map modelling of purse-seine fishing skippers behavior. , 2008, , .		6
349	Ontological Cognitive Map. , 2008, , .		3
350	A hybrid method using PSO and NHL algorithms to train Fuzzy Cognitive Maps. , 2008, , .		0
351	Genetic algorithm enhanced Fuzzy Cognitive Maps for medical diagnosis. , 2008, , .		9
352	Discrimination of female children in school education - induced Fuzzy Associative Memories (IFAM) analysis on the causes and consequences. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
353	A cognitive map to design a performance-oriented RIS-PACS. International Journal of Healthcare Technology and Management, 2008, 9, 45.	0.1	1
354	Cognitive Approach in Simulation and Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 1613-1620.	0.4	12
355	MODELLING OF BUSINESS SYSTEM DEVELOPMENT ON THE BASES OF PETRI NETS AND GRAPHS OF INCREMENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 690-694.	0.4	0
356	Using fuzzy cognitive maps to identify multiple causes in troubleshooting systems. Integrated Computer-Aided Engineering, 2008, 15, 197-206.	2.5	23
357	Exploring Aboriginal Views of Health Using Fuzzy Cognitive Maps and Transitive Closure. Canadian Journal of Public Health, 2008, 99, 411-417.	1.1	15
358	Learning FCM with Simulated Annealing. , 2008, , .		5
359	Modeling physical systems for failure analysis with rate cognitive maps. , 2009, , .		3
360	A Machine Learning Approach to the Stabilization of Emotional Dynamics in Emotion-Logic Encounter. , 2009, , .		0
361	Multi-Agents System to Model Cell Signalling by Using Fuzzy Cognitive Maps. Application to Computer Simulation of Multiple Myeloma. , 2009, , .		12
362	Diagnosis support using fuzzy cognitive maps combined with genetic algorithms. , 2009, 2009, 6226-9.		6
363	General Causal Representations in the Medical Domain. , 2009, , .		2
364	DiPRA: a layered agent architecture which integrates practical reasoning and sensorimotor schemas. Connection Science, 2009, 21, 297-326.	1.8	8
365	ONTOLOGICAL COGNITIVE MAP. International Journal on Artificial Intelligence Tools, 2009, 18, 697-716.	0.7	9
366	The Algorithm for Solving All Feedback Loops of Fuzzy Cognitive Map. , 2009, , .		0
367	Cyber engineering co-intelligence digital ecosystem: The GOFASS methodology. , 2009, , .		0
368	A Large Knowledge Base Partitioning and Reasoning Study Based on Graph Theory. , 2009, , .		2
369	MOG Platform Using Mobile Agents for Resource Transactions. , 2009, , .		0
370	Supporting Decision Makers with Fuzzy Cognitive Maps. Research Technology Management, 2009, 52, 53-59.	0.6	47

#	ARTICLE	IF	CITATIONS
371	A Quantum Cognitive Map Model. , 2009, , .		3
372	Causal relevance to improve the prediction accuracy of dynamical systems using inductive reasoning. International Journal of General Systems, 2009, 38, 331-358.	1.2	3
373	An immune algorithm for complex fuzzy cognitive map partitioning. , 2009, , .		5
375	A cognitive map and fuzzy inference engine model for online design and self fine-tuning of fuzzy logic controllers. International Journal of Intelligent Systems, 2009, 24, 1134-1173.	3.3	27
376	Improving fuzzy cognitive maps learning through memetic particle swarm optimization. Soft Computing, 2009, 13, 77-94.	2.1	35
377	Application of fuzzy cognitive maps for cotton yield management in precision farming. Expert Systems With Applications, 2009, 36, 12399-12413.	4.4	99
378	Fuzzy Cognitive Map and a Mining Methodology Based on Multi-relational Data Resources. Fuzzy Information and Engineering, 2009, 1, 357-366.	1.0	2
379	Predicting the unexpected: using a qualitative model of a New Zealand dryland ecosystem to anticipate pest management outcomes. Austral Ecology, 2009, 34, 409-421.	0.7	28
380	Qualitative operators for reasoning maps: Evaluating multi-criteria options with networks of reasons. European Journal of Operational Research, 2009, 195, 829-840.	3.5	32
381	Modeling of the High Pressure Core Spray Systems with fuzzy cognitive maps for operational transient analysis in nuclear power reactors. Progress in Nuclear Energy, 2009, 51, 434-442.	1.3	14
382	Augmented fuzzy cognitive maps for modelling LMS critical success factors. Knowledge-Based Systems, 2009, 22, 275-278.	4.0	107
383	Learning FCM by chaotic simulated annealing. Chaos, Solitons and Fractals, 2009, 41, 1182-1190.	2.5	51
384	Benchmarking main activation functions in fuzzy cognitive maps. Expert Systems With Applications, 2009, 36, 5221-5229.	4.4	268
385	An Individual-Based Evolving Predator-Prey Ecosystem Simulation Using a Fuzzy Cognitive Map as the Behavior Model. Artificial Life, 2009, 15, 423-463.	1.0	80
386	A dynamical cognitive multi-agent system for enhancing ambient intelligence scenarios. , 2009, , .		12
387	Cognition-Driven Decision Support for Business Intelligence. Studies in Computational Intelligence, 2009, , .	0.7	30
388	The potential of Fuzzy Cognitive Maps for semi-quantitative scenario development, with an example from Brazil. Global Environmental Change, 2009, 19, 122-133.	3.6	278
389	Adaptive Estimation of Fuzzy Cognitive Maps With Proven Stability and Parameter Convergence. IEEE Transactions on Fuzzy Systems, 2009, 17, 874-889.	6.5	111

#	ARTICLE	IF	CITATIONS
390	Mining temporal medical data using adaptive fuzzy cognitive maps. , 2009, , .		34
392	Analyzing of collaborative planning, forecasting and replenishment approach using fuzzy cognitive map. , 2009, , .		3
393	Representing Causality Using Fuzzy Cognitive Maps. , 2009, , .		13
394	Hierarchical Web Categorization Model Based on Fuzzy Cognitive Maps. , 2009, , .		0
395	Management of uncomplicated urinary tract infections using fuzzy cognitive maps. , 2009, , .		9
396	A Novel Team-Centric Peer Selection Scheme for Distributed Wireless P2P Networks. , 2009, , .		15
397	GENCO behavior model and simulation in electricity market by FCM-approach. , 2009, , .		3
398	Software Usability Improvement: Modeling, Training and Relativity Analysis. , 2009, , .		5
399	Dynamical cognitive services for Ambient Intelligence environments. , 2009, , .		0
400	A FCM-Based Peer Grouping Scheme for Node Failure Recovery in Wireless P2P File Sharing. , 2009, , .		6
401	Cognitive Maps in Transport Behavior. , 2009, , .		7
402	Towards a Model for Quantitative Reasoning in Cognitive Nodes. , 2009, , .		6
403	A Software Agent Based Simulation Model for Systems with Decision Units. , 2009, , .		2
404	Implementation of Fuzzy Cognitive Maps Using Fuzzy Neural Network and Application in Prediction of Time Series. IEEE Transactions on Fuzzy Systems, 2009, , .	6.5	42
405	Constructing manufacturing-environmental model in Bayesian belief networks for assembly design decision support through fuzzy cognitive maps. International Journal of Intelligent Information and Database Systems, 2009, 3, 3.	0.3	4
406	A fuzzy cognitive map approach for analysis of electronic consumer products in terms of usability among different age groups. International Journal of Mobile Learning and Organisation, 2009, 3, 322.	0.2	3
407	The Fuzzy Logic of MicroRNA Regulation: A Key to Control Cell Complexity. Current Genomics, 2010, 11, 350-353.	0.7	7
408	Approximate Representations in the Medical Domain. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
409	The logistics of information management within an eGovernment context. Journal of Enterprise Information Management, 2010, 23, 694-723.	4.4	11
410	The study of inference and inference chain of fuzzy cognitive map. , 2010, , .		0
411	Design of Sigmoid Activation Functions for Fuzzy Cognitive Maps via Lyapunov Stability Analysis. IEICE Transactions on Information and Systems, 2010, E93-D, 2883-2886.	0.4	14
412	A Survey of Trust and Reputation Management Systems in Wireless Communications. Proceedings of the IEEE, 2010, 98, 1755-1772.	16.4	215
413	Creating an Immersive Game World with Evolutionary Fuzzy Cognitive Maps. IEEE Computer Graphics and Applications, 2010, 30, 58-70.	1.0	26
414	Intelligent modeling with agent-based fuzzy cognitive map. International Journal of Intelligent Systems, 2010, 25, 981-1004.	3.3	19
418	Fuzzy cognitive maps for the simulation of individual adaptive behaviors. Computer Animation and Virtual Worlds, 2010, 21, 573-587.	0.7	11
419	The use of computational intelligence in intrusion detection systems: A review. Applied Soft Computing Journal, 2010, 10, 1-35.	4.1	540
420	Identification of cryovolcanism on Titan using fuzzy cognitive maps. Planetary and Space Science, 2010, 58, 761-779.	0.9	38
421	Species abundance patterns in an ecosystem simulation studied through Fisher's logseries. Simulation Modelling Practice and Theory, 2010, 18, 100-123.	2.2	20
422	A divide and conquer method for learning large Fuzzy Cognitive Maps. Fuzzy Sets and Systems, 2010, 161, 2515-2532.	1.6	89
423	Design of fuzzy cognitive maps using neural networks for predicting chaotic time series. Neural Networks, 2010, 23, 1264-1275.	3.3	40
424	Fuzzy integrated vulnerability assessment model for critical facilities in combating the terrorism. Expert Systems With Applications, 2010, 37, 3561-3573.	4.4	60
425	The design of cognitive maps: A study in synergy of granular computing and evolutionary optimization. Expert Systems With Applications, 2010, 37, 7288-7294.	4.4	74
426	Modelling grey uncertainty with Fuzzy Grey Cognitive Maps. Expert Systems With Applications, 2010, 37, 7581-7588.	4.4	159
427	A Framework for Assessing and Managing Risks Posed by Emerging Diseases. Risk Analysis, 2010, 30, 236-249.	1.5	43
428	“Cognitive games: A linear impulse model. Automation and Remote Control, 2010, 71, 718-730.	0.4	10
429	Connectionist Models of Decision Making. , 2010, , .		0



#	ARTICLE	IF	CITATIONS
430	Fuzzy Cognitive Maps: Basic Theories and Their Application to Complex Systems. Studies in Fuzziness and Soft Computing, 2010, , 1-22.	0.6	123
431	Causality and imperfect causality from texts: A frame for causality in social sciences. , 2010, , .		4
432	On algorithm for outliers detection in the process of mining cognitive maps based on data resources. , 2010, , .		0
433	Complex situation modeling in distributed sensor networks. , 2010, , .		0
435	Fuzzy Cognitive Maps for Medical Decision Support &#x2014; A paradigm from obstetrics. , 2010, 2010, 1174-7.		16
436	Extraction, analysis and representation of imperfect conditional and causal sentences by means of a semi-automatic process. , 2010, , .		15
437	On the semantics and the use of Fuzzy Cognitive Maps in social sciences. , 2010, , .		26
438	Context-aware collective decision making based on fuzzy outranking. , 2010, , .		0
439	Identifying Relevant Cross-Layer Interactions in Cognitive Processes. , 2010, , .		3
440	Forecasting the state of pulmonary infection by the application of fuzzy cognitive maps. , 2010, , .		4
442	Adaptation of a method for involving environmental aspects in spatial planning of river basin management â€“ a case study of the Narva River basin. Estonian Journal of Ecology, 2010, 59, 302.	0.5	1
443	Advances in Data Analysis. , 2010, , .		0
444	Evaluating and modelling constructs for e-government decision making. Journal of the Operational Research Society, 2010, 61, 929-952.	2.1	31
445	Transformation of Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2010, 18, 114-124.	6.5	48
446	The FCM Designer Tool. Studies in Fuzziness and Soft Computing, 2010, , 71-87.	0.6	17
447	Fuzzy Cognitive Maps. Studies in Fuzziness and Soft Computing, 2010, , .	0.6	96
448	Expert-Based and Computational Methods for Developing Fuzzy Cognitive Maps. Studies in Fuzziness and Soft Computing, 2010, , 23-41.	0.6	45
449	A Novel Approach on Constructed Dynamic Fuzzy Cognitive Maps Using Fuzzified Decision Trees and Knowledge-Extraction Techniques. Studies in Fuzziness and Soft Computing, 2010, , 43-70.	0.6	11

#	ARTICLE	IF	CITATIONS
450	Regularity analysis of an individual-based ecosystem simulation. <i>Chaos</i> , 2010, 20, 043120.	1.0	16
451	Belief Degree-Distributed Fuzzy Cognitive Maps. , 2010, , .		5
452	Adaptive identification of Fuzzy Cognitive Networks. , 2010, , .		2
454	From consumer perception characterization to human centered industrial product design. , 2010, , .		0
455	K2F " A Novel Framework for Converting Fuzzy Cognitive Maps into Rule-Based Fuzzy Inference Systems. <i>Lecture Notes in Computer Science</i> , 2010, , 128-135.	1.0	5
456	Linking stakeholders and modellers in scenario studies: The use of Fuzzy Cognitive Maps as a communication and learning tool. <i>Futures</i> , 2010, 42, 1-14.	1.4	238
457	Classifying Patterns Using Fuzzy Cognitive Maps. <i>Studies in Fuzziness and Soft Computing</i> , 2010, , 291-306.	0.6	17
459	Evaluating the effects of ideology on public understanding of climate change science: How to improve communication across ideological divides?. <i>Public Understanding of Science</i> , 2010, 19, 743-761.	1.6	134
460	Trust and Reputation. <i>Advanced Information and Knowledge Processing</i> , 2010, , 189-224.	0.2	11
461	Cognitive-operative model of intelligent learning systems behavior. <i>Interactive Learning Environments</i> , 2010, 18, 11-38.	4.4	12
462	Classification Systems Based on Fuzzy Cognitive Maps. , 2010, , .		1
463	A Graph-Based Approach to Situation Assessment. , 2010, , .		4
465	Context-aware collective decision making in distributed environments. , 2010, , .		1
466	Surveillance multiagent system using robot vision based on fuzzy controller. , 2010, , .		3
467	A fuzzy cognitive map for data integrity assessment in a IEC 61850 based substation. , 2010, , .		8
468	Study of human perception on body shapes using intelligent techniques. , 2010, , .		0
469	Approaches in adaptation of fuzzy cognitive maps for navigation purposes. , 2010, , .		19
470	Web Services Trustworthiness Evaluation Based on Fuzzy Cognitive Maps. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
471	Risk Analysis Using Extended Fuzzy Cognitive Maps. , 2010, , .		11
472	Control method based on Fuzzy cognitive map and its application on district heating network. , 2010, , .		6
473	Mining answers for causal questions in a medical example. , 2011, , .		2
474	Adaptive Fuzzy Cognitive Maps for Identification of Cause and Effect. , 2011, , .		1
475	An approach to capture system interaction failures of a complex system. , 2011, , .		2
476	Modeling complex logistics systems using soft computing methodology of Fuzzy Cognitive Maps. , 2011, , .		4
477	Research on the general algorithm of cognitive map reasoning. , 2011, , .		1
478	Using Belief Degree-Distributed Fuzzy Cognitive Maps in nuclear safety culture assessment. , 2011, , .		9
479	A clustering approach to the operational resilience analysis of key resource supply chains (KRSC): The case of fast Moving Consumer Goods. , 2011, , .		2
480	Case Based Fuzzy Cognitive Maps (CBFCM): New method for medical reasoning: Comparison study between CBFCM/FCM. , 2011, , .		10
481	Fuzzy cognitive map based approach for software quality risk analysis. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2011, 36, 1-9.	0.5	11
482	A fuzzy approach for reputation management in Bittorrent P2P network. , 2011, , .		2
483	On the Temporal Granularity in Fuzzy Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2011, 19, 1040-1057.	6.5	41
484	An Extension to Fuzzy Cognitive Maps for Classification and Prediction. IEEE Transactions on Fuzzy Systems, 2011, 19, 116-135.	6.5	75
485	A Fuzzy Cognitive Maps Modeling, Learning and Simulation Framework for Studying Complex System. Lecture Notes in Computer Science, 2011, , 243-256.	1.0	9
486	Rough center mining algorithm of rough cognitive map. Procedia Engineering, 2011, 15, 3461-3465.	1.2	0
487	Fuzzy cognitive maps: basic theories and their applications in medical problems. , 2011, , .		1
488	Review study on fuzzy cognitive maps and their applications during the last decade. , 2011, , .		52

#	ARTICLE	IF	CITATIONS
489	Evaluating the performance of technology transfer offices. <i>Journal of Enterprise Information Management</i> , 2011, 24, 322-337.	4.4	24
490	Scaling tasks in a risk management system based on multilevel fuzzy decision making. , 2011, , .		1
491	Web Services Security Policy Assertion Trade-offs. , 2011, , .		0
492	Regulation for wind generation system using ant system based Takagi Sugeno fuzzy PID. , 2011, , .		0
493	A QoS-aware system for mobile cloud computing. , 2011, , .		37
494	Building scenarios with Fuzzy Cognitive Maps: An exploratory study of solar energy. <i>Futures</i> , 2011, 43, 52-66.	1.4	135
495	A proactive balanced scorecard. <i>International Journal of Information Management</i> , 2011, 31, 460-468.	10.5	70
496	Redes din�micas cognitivas aplicadas no controle supervis�rio de um fermentador. <i>Controle and Automacao</i> , 2011, 22, 345-362.	0.2	1
497	Application of Fuzzy Cognitive Mapping in Livelihood Vulnerability Analysis. <i>Ecology and Society</i> , 2011, 16, .	1.0	41
498	Time complexity analysis of genetic- fuzzy system for disease diagnosis. <i>Advanced Computing an International Journal</i> , 2011, 2, 23-31.	1.5	8
499	A Fuzzy Inference Map approach to cope with uncertainty in modeling medical knowledge and making decisions. <i>Intelligent Decision Technologies</i> , 2011, 5, 219-235.	0.6	12
500	Simulating strategic information systems planning process using fuzzy cognitive map. <i>International Journal of Business Information Systems</i> , 2011, 8, 286.	0.2	14
501	A kernel view of critical infrastructure modelling. <i>International Journal of Decision Sciences, Risk and Management</i> , 2011, 3, 98.	0.1	2
502	An approach to systematization of types of formal cognitive maps. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 14246-14252.	0.4	5
503	Medical Decision Support Systems based on Soft Computing techniques. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 14115-14120.	0.4	4
504	Assessing supply chain dependency on critical infrastructures using fuzzy cognitive maps. <i>International Journal of Risk Assessment and Management</i> , 2011, 15, 149.	0.2	4
505	COUNTRY�S INTERNET SPREADING RATE MODELLING WITH FUZZY COGNITIVE MAP. <i>International Journal of Modelling and Simulation</i> , 2011, 31, .	2.3	1
507	New planning technique to master the future of water on local and regional level in Ukraine. <i>Journal of Water and Climate Change</i> , 2011, 2, 189-200.	1.2	14

#	ARTICLE	IF	CITATIONS
508	Failure analysis of the standby liquid control system for a boiling water reactor with fuzzy cognitive maps. Nuclear Engineering and Design, 2011, 241, 4004-4012.	0.8	4
509	Analyzing Risk Impact Factors Using Extended Fuzzy Cognitive Maps. IEEE Systems Journal, 2011, 5, 288-297.	2.9	53
510	Intuitionistic Fuzzy Cognitive Maps for Medical Decision Making. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 100-107.	3.6	149
511	Decision maps: A framework for multi-criteria decision support under severe uncertainty. Decision Support Systems, 2011, 52, 108-118.	3.5	86
512	Modeling the bio-refinery industry in rural areas: A participatory approach for policy options comparison. Ecological Economics, 2011, 72, 18-27.	2.9	35
513	Systematic causal knowledge acquisition using FCM Constructor for product design decision support. Expert Systems With Applications, 2011, 38, 15316-15331.	4.4	35
514	Using fuzzy cognitive mapping techniques to model situation awareness for army infantry platoon leaders. Computational and Mathematical Organization Theory, 2011, 17, 272-295.	1.5	23
515	The Application of Fuzzy Cognitive Map in Soft System Methodology. Systemic Practice and Action Research, 2011, 24, 325-354.	1.0	31
516	An agent-based cognitive mapping system for sales opportunity analysis. Expert Systems With Applications, 2011, 38, 7016-7028.	4.4	5
517	Analyzing the performance of fuzzy cognitive maps with non-linear hebbian learning algorithm in predicting autistic disorder. Expert Systems With Applications, 2011, 38, 1282-1292.	4.4	97
518	Evaluating the effect of health warnings in influencing Australian smokers' psychosocial and quitting behaviours using fuzzy causal network. Expert Systems With Applications, 2011, 38, 6430-6438.	4.4	5
519	Training Fuzzy Cognitive Maps via Extended Great Deluge Algorithm with applications. Computers in Industry, 2011, 62, 187-195.	5.7	44
520	Structural damage detection using fuzzy cognitive maps and Hebbian learning. Applied Soft Computing Journal, 2011, 11, 1014-1020.	4.1	87
521	A new methodology for Decisions in Medical Informatics using fuzzy cognitive maps based on fuzzy rule-extraction techniques. Applied Soft Computing Journal, 2011, 11, 500-513.	4.1	194
522	Fuzzy cognitive map based approach for predicting yield in cotton crop production as a basis for decision support system in precision agriculture application. Applied Soft Computing Journal, 2011, 11, 3643-3657.	4.1	115
523	A knowledge-based framework for emergency DSS. Knowledge-Based Systems, 2011, 24, 1372-1379.	4.0	49
524	Discrete dynamic simulation models and technique for complex control systems. Simulation Modelling Practice and Theory, 2011, 19, 1061-1087.	2.2	14
525	Formation behavior of multiple robots based on tele-operation. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
526	Intuitionistic fuzzy reasoning with cognitive maps. , 2011, , .		2
527	Nonlinear cause-effect relationships in Fuzzy Cognitive Maps. , 2011, , .		1
528	Autonomic Trust Management for a Component-Based Software System. IEEE Transactions on Dependable and Secure Computing, 2011, 8, 810-823.	3.7	95
529	Cooperative effect analysis of manned/unmanned aerial vehicle team based on fuzzy cognition map. , 2011, , .		3
530	Layered fault management scheme for end-to-end transmission in internet of things. , 2011, , .		1
531	Stereo vision-based self-localization system for RoboCup. , 2011, , .		3
532	Book Reviews and Abstracts. International Journal of General Systems, 2011, 40, 841-851.	1.2	0
533	Development of fuzzy cognitive map (FCM)â€based scenarios for wind energy. International Journal of Energy Sector Management, 2011, 5, 564-584.	1.2	46
534	A new intuitionitic Fuzzy Cognitive Maps building method. , 2011, , .		0
535	A Jess knowledge-based data quality analyzing framework. , 2011, , .		2
536	Causal modeling approximations in the medical domain. , 2011, , .		1
537	Fuzzy cognitive maps in estimating the repercussions of oil/gas exploration on politico-economic issues in Cyprus. , 2011, , .		5
538	Training Fuzzy Cognitive Maps by using Hebbian learning algorithms: A comparative study. , 2011, , .		19
539	Adaptation of fuzzy cognitive maps by migration algorithms. Kybernetes, 2012, 41, 429-443.	1.2	51
540	Dynamic Analysis of Store-to-Store Delivery Service through Fuzzy Cognitive Map. Applied Mechanics and Materials, 0, 253-255, 1558-1562.	0.2	0
541	Speciation with gene flow in a heterogeneous virtual world: can physical obstacles accelerate speciation?. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3055-3064.	1.2	23
542	A distributed, semiotic-inductive, and human-oriented approach to web-scale knowledge retrieval. , 2012, , .		16
543	Enhancement of co-authorship networks with content-similarity information. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
544	Mining research abstracts for exploration of research communities. , 2012, , .		4
545	Learning fuzzy cognitive maps from data by ant colony optimization. , 2012, , .		39
546	Some examples of how to deal with causality computationally in several disciplines. , 2012, , .		0
547	Peer selection in P2P file sharing systems over mobile cellular networks with consideration of downlink bandwidth limitation. , 2012, , .		0
548	An adaptive service selection approach in mobile environment. , 2012, , .		0
549	The challenge of modeling Decision support systems for medical problems using Fuzzy Cognitive Maps: An overview. , 2012, , .		2
550	On supporting mobile peer to mobile peer communications. , 2012, , .		3
552	Automatic Diagnosis of Asthma Using Neurofuzzy System. , 2012, , .		7
553	Artificial Neural Sensory/Short-Term/Long-Term/Emotional Memory Integration for Autonomous AI Systems. , 2012, , .		2
554	Learning of Fuzzy Cognitive Maps Using Density Estimate. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 900-912.	5.5	65
555	Fuzzy Cognitive Maps development using Ant Colony Optimization with local search procedure. , 2012, , .		0
556	Fuzzy cognitive modeling for argumentative agent. , 2012, , .		0
557	Intelligent demand response scheme for energy management of industrial systems. , 2012, , .		23
558	Rebel with many causes: A computational model of insurgency. , 2012, , .		12
559	Autonomous navigation system using Event Driven-Fuzzy Cognitive Maps. Applied Intelligence, 2012, 37, 175-188.	3.3	28
560	Autonomous real-time landing site selection for Venus and Titan using Evolutionary Fuzzy Cognitive Maps. Applied Soft Computing Journal, 2012, 12, 3825-3839.	4.1	17
561	Bi-linear adaptive estimation of Fuzzy Cognitive Networks. Applied Soft Computing Journal, 2012, 12, 3736-3756.	4.1	18
562	Fuzzy Grey Cognitive Maps in reliability engineering. Applied Soft Computing Journal, 2012, 12, 3818-3824.	4.1	56

#	ARTICLE	IF	CITATIONS
563	Application of evolutionary fuzzy cognitive maps to the long-term prediction of prostate cancer. Applied Soft Computing Journal, 2012, 12, 3810-3817.	4.1	87
564	A fuzzy cognitive map of the psychosocial determinants of obesity. Applied Soft Computing Journal, 2012, 12, 3711-3724.	4.1	80
565	A flexible nonlinear approach to represent cause-effect relationships in FCMs. Applied Soft Computing Journal, 2012, 12, 3757-3770.	4.1	15
566	Fuzzy cognitive maps and cellular automata: An evolutionary approach for social systems modelling. Applied Soft Computing Journal, 2012, 12, 3771-3784.	4.1	47
567	Fuzzy cognitive map ensemble learning paradigm to solve classification problems: Application to autism identification. Applied Soft Computing Journal, 2012, 12, 3798-3809.	4.1	82
568	How do you perceive environmental change? Fuzzy Cognitive Mapping informing stakeholder analysis for environmental policy making and non-market valuation. Applied Soft Computing Journal, 2012, 12, 3725-3735.	4.1	68
569	Analysis of injury events with fuzzy cognitive maps. Journal of Loss Prevention in the Process Industries, 2012, 25, 677-685.	1.7	35
570	Gradient-Based Algorithms for the Automatic Construction of Fuzzy Cognitive Maps. , 2012, , .		8
571	Requirements-driven adaptive security: Protecting variable assets at runtime. , 2012, , .		49
573	Cognitive Maps for Knowledge Representation and Reasoning. , 2012, , .		11
574	Simulating Online Consumer Satisfaction Using Fuzzy Cognitive Mapping. , 2012, , .		2
575	Hybrid Fuzzy Sustainability Assessment Model: A Case Study of a Regional Infrastructure Transport Project. , 2012, , .		2
576	Modeling socio-politico-economic systems with time-dependent fuzzy cognitive maps. , 2012, , .		5
577	Using fuzzy cognitive maps to describe current system dynamics and develop land cover scenarios: a case study in the Brazilian Amazon. Journal of Land Use Science, 2012, 7, 149-175.	1.0	30
578	Automatic classification of agro-industrial products through dynamic membership functions in Fuzzy logic systems: An approach to Scallops. , 2012, , .		1
579	Predicting Ecosystem Wide Impacts of Wallaby Management Using a Fuzzy Cognitive Map. Ecosystems, 2012, 15, 1363-1379.	1.6	34
580	Detecting and measuring crucial differences between cognitive maps. Rationality and Society, 2012, 24, 383-407.	0.2	8
581	A self-organizing multi-memory system for autonomous agents. , 2012, , .		4



#	ARTICLE	IF	CITATIONS
582	Dynamic functional modelling of vulnerability and interoperability of Critical Infrastructures. Reliability Engineering and System Safety, 2012, 105, 51-63.	5.1	56
583	Performance measurement scenarios with fuzzy cognitive strategic maps. International Journal of Information Management, 2012, 32, 182-195.	10.5	17
584	Development of a decision making system for selection of dental implant abutments based on the fuzzy cognitive map. Expert Systems With Applications, 2012, 39, 11564-11575.	4.4	32
585	Computer systems for cognitive maps simulation: Approaches and methods. Automation and Remote Control, 2012, 73, 1553-1571.	0.4	2
586	Computer systems for cognitive maps simulation: Approaches and methods. Automation and Remote Control, 2012, 73, 1715-1733.	0.4	3
587	Supporting meningitis diagnosis amongst infants and children through the use of fuzzy cognitive mapping. BMC Medical Informatics and Decision Making, 2012, 12, 98.	1.5	37
588	Bio-inspired optimization of Fuzzy Cognitive Maps for their use as a means in the pricing of complex assets. , 2012, , .		5
589	A Data-Based Fuzzy Cognitive Map Mining Method Using DE-SQP Algorithm. Communications in Computer and Information Science, 2012, , 37-43.	0.4	1
590	Learning Algorithms for Fuzzy Cognitive Maps – A Review Study. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 150-163.	3.3	241
591	A Fuzzy Expert System Architecture for Intelligent Tutoring Systems: A Cognitive Mapping Approach. Journal of Intelligent Learning Systems and Applications, 2012, 04, 29-40.	0.4	18
592	Using Belief Degree Distributed Fuzzy Cognitive Maps for Energy Policy Evaluation. Intelligent Systems Reference Library, 2012, , 39-67.	1.0	4
593	A Fuzzy Cognitive Map for Identifying User Satisfaction from Smartphones. , 2012, , .		2
594	Inferring Fuzzy Cognitive Map models for Gene Regulatory Networks from gene expression data. , 2012, , .		27
595	Structure in creativity: An exploratory study to analyse the effects of structuring tools on scenario workshop results. Futures, 2012, 44, 746-760.	1.4	38
596	A novel fuzzy cognitive map based method for the differentiation of intraductal breast lesions. , 2012, , .		6
597	Adaptation and Genomic Evolution in EcoSim. Lecture Notes in Computer Science, 2012, , 219-229.	1.0	3
598	Computer Applications for Communication, Networking, and Digital Contents. Communications in Computer and Information Science, 2012, , .	0.4	1
599	A study on self-organization system based on Fuzzy Cognitive Map method. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
600	Network Security Evaluation Method via Attack Graphs and Fuzzy Cognitive Maps. Smart Innovation, Systems and Technologies, 2012, , 433-440.	0.5	7
601	Design of Activation Functions for Inference of Fuzzy Cognitive Maps: Application to Clinical Decision Making in Diagnosis of Pulmonary Infection. Healthcare Informatics Research, 2012, 18, 105.	1.0	13
602	BN Applications in Operational Risk Analysis: Scope, Limitations and Methodological Requirements. , 2012, , .		2
604	A DYNAMIC TEMPORAL NEURO FUZZY INFERENCE SYSTEM FOR MINING MEDICAL DATABASES. Journal of Computer Science, 2012, 8, 1924-1931.	0.5	3
605	Using Fuzzy Cognitive Mapping in Environmental Decision Making and Management: A Methodological Primer and an Application. , 0, , .		61
606	Cooperative threat assessment of multi-aircrafts based on synthetic fuzzy cognitive map. Journal of Shanghai Jiaotong University (Science), 2012, 17, 228-232.	0.5	7
607	Design and implementation of an educational virtual pet using the OCC theory. Journal of Ambient Intelligence and Humanized Computing, 2012, 3, 61-71.	3.3	11
608	Cognitive map-based system modeling for identifying interaction failure modes. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2012, 23, 105-124.	1.2	26
609	Mental maps and travel behaviour: meanings and models. Journal of Geographical Systems, 2012, 14, 143-165.	1.9	13
610	Cognitive balanced model: a conceptual scheme of diagnostic decision making. Journal of Evaluation in Clinical Practice, 2012, 18, 82-88.	0.9	46
611	An integrated FCM and fuzzy soft set for supplier selection problem based on risk evaluation. Applied Mathematical Modelling, 2012, 36, 1444-1454.	2.2	105
612	Fuzzy cognitive map software tool for treatment management of uncomplicated urinary tract infection. Computer Methods and Programs in Biomedicine, 2012, 105, 233-245.	2.6	38
613	Formalization of treatment guidelines using Fuzzy Cognitive Maps and semantic web tools. Journal of Biomedical Informatics, 2012, 45, 45-60.	2.5	51
614	Modeling the integration of stakeholder knowledge in socialâ€œecological decision-making: Benefits and limitations to knowledge diversity. Ecological Modelling, 2012, 229, 88-96.	1.2	175
615	An approximate Bayesian algorithm for training fuzzy cognitive map models of forest responses to deer control in a New Zealand adaptive management experiment. Ecological Modelling, 2012, 240, 93-104.	1.2	22
616	A hybrid fuzzy regression-fuzzy cognitive map algorithm for forecasting and optimization of housing market fluctuations. Expert Systems With Applications, 2012, 39, 298-315.	4.4	39
617	Ranking fuzzy cognitive map based scenarios with TOPSIS. Expert Systems With Applications, 2012, 39, 2443-2450.	4.4	80
618	Behavioral simulation and optimization of generation companies in electricity markets by fuzzy cognitive map. Expert Systems With Applications, 2012, 39, 4635-4646.	4.4	30

#	ARTICLE	IF	CITATIONS
619	Semantic annotation of cognitive map for knowledge sharing between heterogeneous businesses. Expert Systems With Applications, 2012, 39, 5857-5860.	4.4	14
620	Analyzing of CPFR success factors using fuzzy cognitive maps in retail industry. Expert Systems With Applications, 2012, 39, 10438-10455.	4.4	69
621	Agent based mobile negotiation for personalized pricing of last minute theatre tickets. Expert Systems With Applications, 2012, 39, 9255-9263.	4.4	15
622	Towards Hebbian learning of Fuzzy Cognitive Maps in pattern classification problems. Expert Systems With Applications, 2012, 39, 10620-10629.	4.4	67
623	A Fuzzy Grey Cognitive Maps-based Decision Support System for radiotherapy treatment planning. Knowledge-Based Systems, 2012, 30, 151-160.	4.0	71
624	Multi-step prediction of pulmonary infection with the use of evolutionary fuzzy cognitive maps. Neurocomputing, 2012, 92, 28-35.	3.5	70
625	Risks for the Black Sea marine environment as perceived by Ukrainian stakeholders: A fuzzy cognitive mapping application. Ocean and Coastal Management, 2012, 62, 34-42.	2.0	29
626	Multi-agent knowledge integration mechanism using particle swarm optimization. Technological Forecasting and Social Change, 2012, 79, 469-484.	6.2	15
627	Forecasting Risk Impact on ERP Maintenance with Augmented Fuzzy Cognitive Maps. IEEE Transactions on Software Engineering, 2012, 38, 439-452.	4.3	76
628	Knowledge Management Toolbox: Machine Learning for Cognitive Radio Networks. IEEE Vehicular Technology Magazine, 2012, 7, 91-99.	2.8	7
629	Model Predictive Control of Unknown Nonlinear Dynamical Systems Based on Recurrent Neural Networks. IEEE Transactions on Industrial Electronics, 2012, 59, 3089-3101.	5.2	221
630	Application of Evolutionary Fuzzy Cognitive Maps for Prediction of Pulmonary Infections. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 143-149.	3.6	80
631	Layered Fault Management Scheme for End-to-end Transmission in Internet of Things. Mobile Networks and Applications, 2013, 18, 195-205.	2.2	12
632	Review Study on Fuzzy Cognitive Maps and Their Applications during the Last Decade. Studies in Computational Intelligence, 2013, , 281-298.	0.7	30
633	Automatic Design and Optimization of Fuzzy Inference Systems. Intelligent Systems Reference Library, 2013, , 287-309.	1.0	2
634	Business Process Management. Studies in Computational Intelligence, 2013, , .	0.7	8
635	Yield prediction in apples using Fuzzy Cognitive Map learning approach. Computers and Electronics in Agriculture, 2013, 91, 19-29.	3.7	64
637	A Subsumption Architecture to Develop Dynamic Cognitive Network-Based Models With Autonomous Navigation Application. Journal of Control, Automation and Electrical Systems, 2013, 24, 117-128.	1.2	4

#	ARTICLE	IF	CITATIONS
638	Integrated risk assessment of urban water supply systems from source to tap. Stochastic Environmental Research and Risk Assessment, 2013, 27, 923-944.	1.9	51
639	A grey-based DEMATEL model for evaluating business process management critical success factors. International Journal of Production Economics, 2013, 146, 281-292.	5.1	344
640	Subjective realities of climate change: how mental maps of impacts deliver socially sensible adaptation options. Sustainability Science, 2013, 8, 159-172.	2.5	34
641	Tackling Travel Behaviour: An approach based on Fuzzy Cognitive Maps. International Journal of Computational Intelligence Systems, 2013, 6, 1012-1039.	1.6	17
642	Fuzzy Cognitive Map Based Situation Assessment Framework for Navigation Goal Detection. , 2013, , .		5
643	Human attitudes in environmental management: Fuzzy Cognitive Maps and policy option simulations analysis for a coal-mine ecosystem in China. Journal of Environmental Management, 2013, 115, 227-234.	3.8	29
644	Modeling and analysis of a hybrid-energy system using fuzzy cognitive maps. , 2013, , .		3
645	Fuzzy cognitive map in differential diagnosis of alterations in urinary elimination: A nursing approach. International Journal of Medical Informatics, 2013, 82, 201-208.	1.6	18
646	Fuzzy cognitive maps learning using Artificial Bee Colony optimization. , 2013, , .		36
647	A preliminary fuzzy cognitive map - based decision support tool for geriatric depression assessment. , 2013, , .		5
648	Particle Swarm Optimization Approach for Fuzzy Cognitive Maps Applied to Autism Classification. IFIP Advances in Information and Communication Technology, 2013, , 516-526.	0.5	8
649	An extension of fuzzy decision maps for multi-criteria decision-making. Egyptian Informatics Journal, 2013, 14, 147-155.	4.4	26
651	On the semantics and the use of fuzzy cognitive maps and dynamic cognitive maps in social sciences. Fuzzy Sets and Systems, 2013, 214, 6-19.	1.6	115
652	Assessment and improvement of integrated HSE and macro-ergonomics factors by fuzzy cognitive maps: The case of a large gas refinery. Journal of Loss Prevention in the Process Industries, 2013, 26, 1015-1026.	1.7	33
653	Dynamic demand response solution for industrial customers. , 2013, , .		9
654	Analyzing the impact of social factors on homelessness: a Fuzzy Cognitive Map approach. BMC Medical Informatics and Decision Making, 2013, 13, 94.	1.5	77
655	Intelligent service-integrated platform based on IOT technology using FCM and QFD method. , 2013, , .		1
656	Web 3.0 Monitoring in Stakeholder-Management. Hmd, 2013, 50, 22-33.	0.3	5

#	ARTICLE	IF	CITATIONS
657	Advanced learning of fuzzy cognitive maps of waste management by bacterial algorithm. , 2013, , .		12
658	Fuzzy Cognitive Maps for Product Planning: Using Stakeholder Knowledge to Achieve Corporate Responsibility. , 2013, , .		12
659	Fuzziness and Medicine: Philosophical Reflections and Application Systems in Health Care. Studies in Fuzziness and Soft Computing, 2013, , .	0.6	9
660	A Verification Method for MASOES. IEEE Transactions on Cybernetics, 2013, 43, 64-76.	6.2	23
661	Different dynamic causal relationship approaches for cognitive maps. Applied Soft Computing Journal, 2013, 13, 271-282.	4.1	26
662	Privacy, Security and Trust in Cloud Computing. Computer Communications and Networks, 2013, , 3-42.	0.8	157
663	Fuzzy cognitive strategic maps in business process performance measurement. Expert Systems With Applications, 2013, 40, 1-14.	4.4	95
664	Experimenting with tagging and context for collaborative MPEG-7 metadata. Multimedia Tools and Applications, 2013, 62, 143-177.	2.6	3
665	Development of a broadened cognitive mapping approach for analysing systems of practices in social-ecological systems. Ecological Modelling, 2013, 250, 352-362.	1.2	66
666	Syntactic recognizability of graphs with fuzzy attributes. Fuzzy Sets and Systems, 2013, 229, 91-100.	1.6	1
667	An integrated modelling tool to evaluate the acceptability of irrigation constraint measures for groundwater protection. Environmental Modelling and Software, 2013, 46, 90-103.	1.9	39
668	Dynamic green self-configuration of 3G base stations using fuzzy cognitive maps. Computer Networks, 2013, 57, 1597-1610.	3.2	4
669	MCDM method based on improved fuzzy decision map. , 2013, , .		6
670	Control engineering education critical success factors modeling via Fuzzy Cognitive Maps. , 2013, , .		14
671	Application of probabilistic and fuzzy cognitive approaches in semantic web framework for medical decision support. Computer Methods and Programs in Biomedicine, 2013, 112, 580-598.	2.6	22
672	Bayesian Belief Network to support conflict analysis for groundwater protection: The case of the Apulia region. Journal of Environmental Management, 2013, 115, 136-146.	3.8	53
673	Revealing market adaptation to a low carbon transport economy: Tales of hydrogen futures as perceived by fuzzy cognitive mapping. International Journal of Hydrogen Energy, 2013, 38, 709-722.	3.8	25
674	A dynamic fuzzy cognitive map applied to chemical process supervision. Engineering Applications of Artificial Intelligence, 2013, 26, 1199-1210.	4.3	28

#	ARTICLE	IF	CITATIONS
675	Mathematical Modelling of Decision Making Support Systems Using Fuzzy Cognitive Maps. Studies in Computational Intelligence, 2013, , 299-337.	0.7	3
676	Intuitionistic Fuzzy Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2013, 21, 342-354.	6.5	101
677	A Review of Fuzzy Cognitive Maps Research During the Last Decade. IEEE Transactions on Fuzzy Systems, 2013, 21, 66-79.	6.5	369
678	Scenario development for water resource planning and management: A review. Technological Forecasting and Social Change, 2013, 80, 749-761.	6.2	86
679	Enhancing IDS performance through comprehensive alert post-processing. Computers and Security, 2013, 37, 176-196.	4.0	29
680	Learning and Reasoning in Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 1761-1777.	24.8	73
681	A knowledge representation approach using fuzzy cognitive maps for better navigation support in an adaptive learning system. SpringerPlus, 2013, 2, 81.	1.2	29
682	RuleML representation and simulation of Fuzzy Cognitive Maps. Expert Systems With Applications, 2013, 40, 1413-1426.	4.4	17
683	Security Risks Assessment Based on Intelligent Systems and Attack Graphs. , 2013, , 149-160.		0
684	An agent-based fuzzy cognitive map approach to the strategic marketing planning for industrial firms. Industrial Marketing Management, 2013, 42, 552-563.	3.7	48
685	A review of scenario planning. Futures, 2013, 46, 23-40.	1.4	608
686	Risk Assessment for SWOP Telemonitoring System Based on Fuzzy Cognitive Maps. Communications in Computer and Information Science, 2013, , 233-247.	0.4	4
687	Content presentation personalisation and media adaptation in tourism web sites using Fuzzy Delphi Method and Fuzzy Cognitive Maps. Expert Systems With Applications, 2013, 40, 2331-2342.	4.4	47
689	A Travel Behaviour Study Through Learning and Clustering of Fuzzy Cognitive Maps. Atlantis Computational Intelligence Systems, 2013, , 259-293.	0.5	0
690	Modelling, Aggregation and Simulation of a Dynamic Biological System through Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2013, , 188-199.	1.0	8
691	Heuristic Search Applied to Fuzzy Cognitive Maps Learning. , 0, , .		0
692	Goal-oriented decision support using Big Bang-Big Crunch learning based Fuzzy Cognitive Map: An ERP management case study. , 2013, , .		19
693	Deriving an information security assurance indicator at the organizational level. Information Management and Computer Security, 2013, 21, 401-419.	1.2	0

#	ARTICLE	IF	CITATIONS
694	The Rough Attribute Graph Analysis Model of Web Social Networks and Its Rough Features. , 2013, , .		1
695	Distributed Computation Multi-agent System. New Generation Computing, 2013, 31, 187-209.	2.5	4
696	A fuzzy cognitive map model of the repercussions of greek PSI on cyriot economy. , 2013, , .		1
697	Knowledge map mining of financial data. Tsinghua Science and Technology, 2013, 18, 68-76.	4.1	5
698	Exploring Potentials of Personality Matching between Users and Target Systems by Using Fuzzy Cognitive Map. , 2013, , .		5
699	A qualitative approach to assess the alignment of Value Systems in collaborative enterprises networks. Computers and Industrial Engineering, 2013, 64, 412-424.	3.4	33
700	Developing an indicator system for local governments to evaluate transport sustainability strategies. Ecological Indicators, 2013, 34, 361-371.	2.6	108
701	Learning sparse Fuzzy Cognitive Maps by Ant Colony Optimization. , 2013, , .		0
702	From manifesta to krypta. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-24.	2.9	13
703	Towards a hierarchically-structured decision support tool for improving seniors' independent living. , 2013, , .		8
704	Using qualitative reasoning for social simulation of crowds. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-21.	2.9	3
705	Decision Aid Models for Disaster Management and Emergencies. Atlantis Computational Intelligence Systems, 2013, , .	0.5	13
706	Application of Fuzzy Cognitive Map for the Development of Scenarios: A Case Study of Wind Energy Deployment. Green Energy and Technology, 2013, , 129-159.	0.4	5
707	Concept by Concept Learning of Fuzzy Cognitive Maps. IFIP Advances in Information and Communication Technology, 2013, , 577-586.	0.5	9
708	THE LINGUISTIC FORECASTING OF TIME SERIES USING IMPROVED FUZZY COGNITIVE MAP. International Journal of Computational Intelligence and Applications, 2013, 12, 1350014.	0.6	2
709	An Approach to Hotel Services Dynamic Pricing Based on the Delphi Method and Fuzzy Cognitive Maps. IFIP Advances in Information and Communication Technology, 2013, , 557-566.	0.5	1
710	A fuzzy grey cognitive maps-based decision support system for maintaining water quality. , 2013, , .		2
711	A new classification scheme using artificial immune systems learning for fuzzy cognitive mapping. , 2013, , .		15

#	ARTICLE	IF	CITATIONS
712	A concept of semantics extraction from web data by induction of fuzzy ontologies. , 2013, , .		9
714	A CURIOUS LEARNING MODEL WITH ELM FOR FUZZY COGNITIVE MAPS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2013, 21, 63-74.	0.9	4
715	From body measurements to body shape perception: an intelligent tool for garment design. International Journal of Advanced Operations Management, 2013, 5, 74.	0.3	3
716	An integrated approach based on business process modeling and fuzzy logic for risk identification and evaluation in production processes. Intelligent Decision Technologies, 2013, 7, 113-122.	0.6	1
717	Application of fuzzy cognitive maps to drug administration risk management.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 438-443.	0.4	7
718	A comparative analysis of three metaheuristic methods applied to fuzzy cognitive maps learning. Pesquisa Operacional, 2013, 33, 443-465.	0.1	2
719	Participatory Development and Analysis of a Fuzzy Cognitive Map of the Establishment of a Bio-Based Economy in the Humber Region. PLoS ONE, 2013, 8, e78319.	1.1	41
720	A FCM-Based Dynamic Modeling of ERP Implementation Critical Failure Factors. International Journal of Enterprise Information Systems, 2014, 10, 32-52.	0.6	26
721	Individual Decision Making Can Drive Epidemics: A Fuzzy Cognitive Map Study. IEEE Transactions on Fuzzy Systems, 2014, 22, 264-273.	6.5	43
722	Selection of wheat variety using improved LFDN method. , 2014, , .		2
723	Three-term relation neuro-fuzzy cognitive maps. , 2014, , .		4
724	Fuzzy cognitive map with linguistic values. , 2014, , .		7
725	A Hybrid MCDM for Private Primary School Assessment Using DEMATEL Based on ANP and Fuzzy Cognitive Map. International Journal of Computational Intelligence Systems, 2014, 7, 615.	1.6	22
726	The research and application of ontology-based information retrieval. , 2014, , .		1
727	Synthesis of Cognitive Maps and Applications. , 2014, , .		2
728	Livelihood vulnerability assessment to climate variability and change using fuzzy cognitive mapping approach. Climatic Change, 2014, 127, 475-491.	1.7	53
729	A first study of Fuzzy Cognitive Maps learning using cultural algorithm. , 2014, , .		6
730	Research on analysis and mining of core traditional Chinese medicine prescription using fuzzy cognitive map. , 2014, , .		1



#	ARTICLE	IF	CITATIONS
731	Granular Cognitive Maps reconstruction. , 2014, , .		3
732	Research on Trojan Detection Method of Computer Memory Mirroring. Applied Mechanics and Materials, 0, 701-702, 1013-1017.	0.2	1
733	How to improve the convergence on sigmoid Fuzzy Cognitive Maps?. Intelligent Data Analysis, 2014, 18, S77-S88.	0.4	20
734	An intelligent neuro fuzzy temporal knowledge representation model for mining temporal patterns. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1167-1178.	0.8	39
735	A Fuzzy Cognitive Maps Approach for Analyzing the Integration of Two Organizations of the Same Corporation. , 2014, , .		2
736	Using Fuzzy Cognitive Maps approach to identify integrated waste management system characteristics. , 2014, , .		2
737	FMMEA automation based on function flow modeling. , 2014, , .		2
738	Using Fuzzy Cognitive Map approach to model the casual relationships in stakeholder management at companies. , 2014, , .		0
739	Modeling causally dependent events using fuzzy cognitive maps. , 2014, , .		0
740	Neurofuzzy inference system for diagnosis of malaria. , 2014, , .		1
741	Neurofuzzy inference system for diagnosis of Leukemia. , 2014, , .		0
742	A model for enterprise architecture scenario analysis based on fuzzy cognitive maps and OWA operators. , 2014, , .		1
743	Use of soft computing techniques in medical decision making: A survey. , 2014, , .		11
744	Triangular fuzzy number representation of relations in Fuzzy Cognitive Maps. , 2014, , .		14
745	Integrity Assessment Scheme for Situational Awareness in Utility Automation Systems. IEEE Transactions on Smart Grid, 2014, 5, 592-601.	6.2	15
746	Managing Industrial Energy Intelligently: Demand Response Scheme. IEEE Industry Applications Magazine, 2014, 20, 53-62.	0.3	41
747	Sustainable development of the wind power industry in a complex environment: a flexibility study. Energy Policy, 2014, 75, 392-397.	4.2	15
748	Learning large-scale fuzzy cognitive maps using a hybrid of memetic algorithm and neural network. , 2014, , .		9

#	ARTICLE	IF	CITATIONS
749	On interpretation of fuzzy cognitive maps trained to model time series. , 2014, , .		1
750	Modeling cognitive network of a physical system using design knowledge base. , 2014, , .		2
751	Fuzzy Cognitive Strategic Maps. Intelligent Systems Reference Library, 2014, , 291-318.	1.0	1
753	The Influence of Changes in Customer's Technology Portfolio on Supplier's Organization. , 2014, , .		1
754	Causality analysis of the technology strategy maps using the fuzzy cognitive strategy map. African Journal of Business Management, 2014, 8, 191-210.	0.4	2
755	Cognitive map of tourist behavior based on Tripadvisor. , 2014, , .		2
756	Maintenance-centric energy management of industrial plants assisted by demand response. , 2014, , .		2
757	Ontological semantic inference based on cognitive map. Expert Systems With Applications, 2014, 41, 2981-2988.	4.4	11
758	Research prioritization using hypothesis maps. Environment Systems and Decisions, 2014, 34, 49-59.	1.9	3
759	Fuzzy grey cognitive maps and nonlinear Hebbian learning in process control. Applied Intelligence, 2014, 41, 223-234.	3.3	34
760	Equipment redesign feasibility through maintenance-work-order records using fuzzy cognitive maps. International Journal of Systems Assurance Engineering and Management, 2014, 5, 21-31.	1.5	14
761	Contemporary evolution and genetic change of prey as a response to predator removal. Ecological Informatics, 2014, 22, 13-22.	2.3	15
762	Development of application-specific adjacency models using fuzzy cognitive map. Journal of Computational and Applied Mathematics, 2014, 270, 178-187.	1.1	7
763	Evolutionary learning of fuzzy grey cognitive maps for the forecasting of multivariate, interval-valued time series. International Journal of Approximate Reasoning, 2014, 55, 1319-1335.	1.9	85
764	A new approach for comparing and categorizing farmers's™ systems of practice based on cognitive mapping and graph theory indicators. Ecological Modelling, 2014, 274, 1-11.	1.2	21
765	A machine learning approach to investigate the reasons behind species extinction. Ecological Informatics, 2014, 20, 58-66.	2.3	16
766	Linear and sigmoidal fuzzy cognitive maps: An analysis of fixed points. Applied Soft Computing Journal, 2014, 15, 193-202.	4.1	57
767	Assessment of resilience engineering factors in high-risk environments by fuzzy cognitive maps: A petrochemical plant. Safety Science, 2014, 68, 99-107.	2.6	111

#	ARTICLE	IF	CITATIONS
768	Toward automated feature model configuration with optimizing non-functional requirements. Information and Software Technology, 2014, 56, 1144-1165.	3.0	29
769	Fuzzy Cognitive Network Process: Comparisons With Fuzzy Analytic Hierarchy Process in New Product Development Strategy. IEEE Transactions on Fuzzy Systems, 2014, 22, 597-610.	6.5	39
770	System Identification and Adaptive Control. Advances in Industrial Control, 2014, , .	0.4	22
771	From Fuzzy Cognitive Maps to Granular Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2014, 22, 859-869.	6.5	54
772	Reinforcement of energy delivery network against natural disaster events. International Journal of Disaster Risk Reduction, 2014, 10, 315-326.	1.8	6
773	Investigating Radicalized Individual Profiles through Fuzzy Cognitive Maps. , 2014, , 559-575.		0
774	Fuzzy Cognitive Map for student evaluation model. , 2014, , .		3
775	ICLA imperialist competitive learning algorithm for fuzzy cognitive map: Application to water demand forecasting. , 2014, , .		12
776	A Network-TOPSIS Based Fuzzy Decision Support System for Supplier Selection in Risky Supply Chain. , 2014, , .		8
777	Towards a hybrid approach of primitive cognitive network process and fuzzy cognitive map for box office analysis. , 2014, , .		1
778	Using Fuzzy Cognitive Maps to Analyze the Information Processing Model of Situation Awareness. , 2014, , .		3
779	The modeling and prediction of time series based on synergy of high-order fuzzy cognitive map and fuzzy c-means clustering. Knowledge-Based Systems, 2014, 70, 242-255.	4.0	81
780	Clean energy investment scenarios using the Bayesian network. International Journal of Sustainable Energy, 2014, 33, 400-415.	1.3	11
781	Differences in farmer and expert beliefs and the perceived impacts of conservation agriculture. Global Environmental Change, 2014, 28, 50-62.	3.6	82
782	Speciesâ€‘area relationship and a tentative interpretation of the function coefficients in an ecosystem simulation. Ecological Complexity, 2014, 19, 84-95.	1.4	9
783	An Enhanced Method for MCDM Based on Improved Fuzzy Decision Map. , 2014, , .		3
785	Causal mechanism in transport collaboration. Expert Systems With Applications, 2014, 41, 1561-1575.	4.4	18
786	Localâ€™Scale Dynamics and Local Drivers of Bushmeat Trade. Conservation Biology, 2014, 28, 1403-1414.	2.4	67

#	ARTICLE	IF	CITATIONS
787	Application of Models of Relational Fuzzy Cognitive Maps for Prediction of Work of Complex Systems. Lecture Notes in Computer Science, 2014, , 307-318.	1.0	14
788	Large Scale Systems and Fuzzy Cognitive Maps: A critical overview of challenges and research opportunities. Annual Reviews in Control, 2014, 38, 93-102.	4.4	3
789	Critical evaluation of cognitive analysis techniques for construction field management. Automation in Construction, 2014, 40, 21-32.	4.8	2
790	Are coastal managers detecting the problem? Assessing stakeholder perception of climate vulnerability using Fuzzy Cognitive Mapping. Ocean and Coastal Management, 2014, 94, 74-89.	2.0	86
791	Two-steps learning of Fuzzy Cognitive Maps for prediction and knowledge discovery on the HIV-1 drug resistance. Expert Systems With Applications, 2014, 41, 821-830.	4.4	65
792	Extracting answers from causal mechanisms in a medical document. Neurocomputing, 2014, 135, 53-60.	3.5	19
793	Weather extremes and street life in India" Implications of Fuzzy Cognitive Mapping as a new tool for semi-quantitative impact assessment and ranking of adaptation measures. Global Environmental Change, 2014, 26, 1-13.	3.6	54
794	Fuzzy Cognitive Maps for futures studies" A methodological assessment of concepts and methods. Futures, 2014, 61, 45-57.	1.4	171
795	Dynamic risks modelling in ERP maintenance projects with FCM. Information Sciences, 2014, 256, 25-45.	4.0	69
796	Learning and clustering of fuzzy cognitive maps for travel behaviour analysis. Knowledge and Information Systems, 2014, 39, 435-462.	2.1	7
797	Using Fuzzy Cognitive Mapping and Nonlinear Hebbian Learning for Modeling, Simulation and Assessment of the Climate System, Based on a Planetary Boundaries Framework. , 2014, , .		0
798	Modelling the spatial and social dynamics of insurgency. Security Informatics, 2014, 3, .	2.5	20
799	Improvement of action selection in robots based on learning fuzzy cognitive map and analysis of variance: the case of soccer server simulation environment. International Journal of Industrial and Systems Engineering, 2014, 16, 184.	0.1	0
800	Specification of CPN models into MAS platform for the modelling of social policy issues: FUPOL project. International Journal of Simulation and Process Modelling, 2014, 9, 195.	0.1	0
802	"Applying fuzzy ontologies to implement the social semantic web" by Edy Portmann, Patrick Kaltenrieder and Noémi Zurlinden with Martin Vesely as coordinator. SIGWEB Newsletter: the Newsletter of ACM's Special Interest Group on Hypertext and Hypermedia, 2014, , 1-12.	0.5	3
803	A hybrid AHP-FCM model for backup supplier selection in presence of disruption risk. International Journal of Decision Sciences, Risk and Management, 2014, 5, 213.	0.1	1
804	Fuzzy cognitive maps: a tool to improve diagnostic decisions. Diagnosis, 2014, 1, 289-293.	1.2	10
805	A new lightweight method for security risk assessment based on fuzzy cognitive maps. International Journal of Applied Mathematics and Computer Science, 2014, 24, 213-225.	1.5	31

#	ARTICLE	IF	CITATIONS
806	Analyzing Stakeholders Using Fuzzy Cognitive Mapping. <i>Procedia Computer Science</i> , 2015, 61, 92-97.	1.2	19
807	Modelling Business and Management Systems Using Fuzzy Cognitive Maps: A Critical Overview. <i>IFAC-PapersOnLine</i> , 2015, 48, 207-212.	0.5	21
808	Unsupervised learning methods for foreign investment using fuzzy cognitive maps. , 2015, , .		7
810	Lessons learnt from the use of prosperity indicators in policy making: Towards community-generated indicators. , 2015, , .		0
811	A Fuzzy Grey Cognitive Maps-based intelligent security system. , 2015, , .		11
812	A computational tool for simulation and learning of Fuzzy Cognitive Maps. , 2015, , .		11
813	Develop Fuzzy Cognitive Maps based on recorded data and information. , 2015, , .		5
814	Unsupervised dynamic fuzzy cognitive map. <i>Tsinghua Science and Technology</i> , 2015, 20, 285-292.	4.1	5
815	Learning of Fuzzy Cognitive Maps for modelling Gene Regulatory Networks through Big Bang-Big Crunch algorithm. , 2015, , .		4
817	Client Service Ability Calculation Based on FCM. , 2015, , .		0
818	Collaborative problem structuring using MARVEL. <i>EURO Journal on Decision Processes</i> , 2015, 3, 249-273.	1.8	11
819	Development of a Fuzzy Rule-based Decision-making System for Evaluating the Lifetime of a Rubber Fender. <i>Quality and Reliability Engineering International</i> , 2015, 31, 811-828.	1.4	8
820	The integration of an individual-based model into toxicokinetics to enhance ecological realism in evaluating population-level impacts of exposure to PCB. , 2015, , .		0
821	A Critical Overview of Net Zero Energy Buildings and Fuzzy Cognitive Maps. <i>International Journal of Monitoring and Surveillance Technologies Research</i> , 2015, 3, 20-43.	0.3	5
822	FCM based Hybrid Evolutionary Computation Approach for Optimization Power Consumption by Varying Cars in EGCS. <i>Applied Mechanics and Materials</i> , 0, 764-765, 1370-1374.	0.2	0
823	Proceso de consenso en modelos mentales usando mapas cognitivos difusos y computaci3n con palabras. <i>Ingenieria Y Universidad</i> , 2015, 19, 173.	0.5	8
824	A research method to capture design state based on multi-fuzzy cognitive mapping. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 29, 2669-2675.	0.8	1
825	NHL and RCGA Based Multi-Relational Fuzzy Cognitive Map Modeling for Complex Systems. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 1399-1411.	1.3	8

#	ARTICLE	IF	CITATIONS
826	Mapping future changes in livelihood security and environmental sustainability based on perceptions of small farmers in the Brazilian Amazon. Ecology and Society, 2015, 20, .	1.0	30
827	Research on FCM and NHL Based High Order Mining Driven by Big Data. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	6
828	Fuzzy Cognitive Maps for Identifying Fault Activation Patterns in Automation Systems. , 0, , .		3
829	Transforming agent-actions into reputational images with probabilistic planning and a fuzzy cognitive map. AI Communications, 2015, 28, 735-749.	0.8	0
830	Intelligent IoT-Enabled System in Green Supply Chain using Integrated FCM Method. International Journal of Business Analytics, 2015, 2, 47-66.	0.2	16
831	Intelligent Decision Making and Risk Analysis of B2c E-Commerce Customer Satisfaction. International Journal of Fuzzy System Applications, 2015, 4, 60-75.	0.5	4
832	Using Fuzzy Control Methods for Increasing the Energy Efficiency of Buildings. International Journal of Monitoring and Surveillance Technologies Research, 2015, 3, 1-22.	0.3	11
833	Fuzzy cognitive mapping of LMS users' Quality of Interaction within higher education blended-learning environment. Expert Systems With Applications, 2015, 42, 7399-7423.	4.4	43
834	A Conceptual Model to Combine Creativity Techniques with Fuzzy Cognitive Maps for Enhanced Knowledge Management. , 2015, , 131-146.		11
835	Artificial bees for improving resilience in a sensor middleware for situation awareness. , 2015, , .		1
836	A FCM analysis for supply chain management. , 2015, , .		1
837	Parameter dependence of fuzzy cognitive maps' behaviour. , 2015, , .		3
838	Learning fuzzy cognitive maps using decomposed parallel ant colony algorithm and gradient descent. , 2015, , .		4
839	Decision Support System Based on Fuzzy Cognitive Maps and Run-to-Run Control for Global Set-Point Determination. , 2015, , .		5
840	Timed Fuzzy Cognitive Maps. , 2015, , .		6
841	Inference reasoning on fishers' knowledge using Bayesian causal maps. Ecological Informatics, 2015, 30, 345-355.	2.3	6
842	MCDM approach based on generalized fuzzy decision map method. , 2015, , .		1
843	Learning Fuzzy Cognitive Map for Traffic Prediction Using an Evolutionary Algorithm. Communications in Computer and Information Science, 2015, , 195-209.	0.4	6

#	ARTICLE	IF	CITATIONS
844	Fuzzy cognitive research on influencing factors of technology innovation: In view of path dependence. , 2015, , .		0
845	Assessing the Kinect technology acceptance/diffusion into healthcare (the case of physical therapy). International Journal of Medical Engineering and Informatics, 2015, 7, 269.	0.2	3
846	Unsupervised fuzzy cognitive map in diagnosis of breast epithelial lesions. , 2015, , .		7
847	FCM based hybrid evolutionary computation approach for optimization power consumption by varying cars in EGCS. Applied Mathematical Modelling, 2015, 39, 5917-5924.	2.2	6
848	Fuzzy knowledge representation in cognitive cities. , 2015, , .		14
849	A Multilayer Fuzzy Cognitive Maps approach to the cloud adoption decision support problem. , 2015, , .		3
850	Linguistic Fuzzy Cognitive Map (LFCM) for pattern recognition. , 2015, , .		9
851	Application of Fuzzy Cognitive Maps to water demand prediction. , 2015, , .		25
852	Learning Fuzzy Cognitive Maps using Structure Optimization Genetic Algorithm. , 0, , .		28
853	Fuzzy Cognitive Maps in the Service of Energy Efficiency. IFAC-PapersOnLine, 2015, 48, 1-6.	0.5	10
854	Knowledge management reliability assessment: an empirical investigation. Aslib Journal of Information Management, 2015, 67, 422-441.	1.3	16
855	Understanding India's skewed sex ratio problem using cognitive maps. , 2015, , .		0
856	Employing Fuzzy Cognitive Maps to support environmental policy development. , 2015, , .		2
858	Dynamic risk modeling and assessing in maintenance outsourcing with FCM. , 2015, , .		4
859	Hybrid Dynamic Fuzzy Cognitive Maps Evolution for autonomous navigation system. , 2015, , .		2
860	A multiple statistical comparison of nature-inspired algorithms for learning Fuzzy Cognitive Maps. , 2015, , .		0
861	Personalized prediction of gestational Diabetes using a clinical decision support system. , 2015, , .		11
862	Customer habit analysis in an e-commerce system using soft computing based methods. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
863	Hybrid model for medical diagnosis using Neutrosophic Cognitive Maps with Genetic Algorithms. , 2015, , .		6
864	A Fuzzy Neural Network based reasoning and learning approach for efficient spectrum management in cognitive radio. , 2015, , .		2
865	Learning of FCMs with causal links represented via fuzzy triangular numbers. , 2015, , .		5
866	Translating local stakeholders' perception in rural development strategies under uncertainty conditions: An application to the case of the bio-based economy in the area of Foggia (South Italy). Journal of Rural Studies, 2015, 37, 61-74.	2.1	15
867	Development of a novel multiple-attribute decision making model via fuzzy cognitive maps and hierarchical fuzzy TOPSIS. Information Sciences, 2015, 301, 75-98.	4.0	106
868	Learning Fuzzy Cognitive Maps using Imperialist Competitive Algorithm. Neural Computing and Applications, 2015, 26, 1333-1354.	3.2	28
869	Managing readiness-relevant activities for the organizational dimension of ERP implementation. Computers in Industry, 2015, 68, 89-104.	5.7	37
870	Can fuzzy cognitive mapping help in agricultural policy design and communication?. Land Use Policy, 2015, 45, 64-75.	2.5	51
871	Identification and Assessment of Factors Influencing Human Reliability in Maintenance Using Fuzzy Cognitive Maps. Quality and Reliability Engineering International, 2015, 31, 169-181.	1.4	25
872	Intelligent Fashion Recommender System: Fuzzy Logic in Personalized Garment Design. IEEE Transactions on Human-Machine Systems, 2015, 45, 95-109.	2.5	58
873	Dynamic Demand Response : A Solution for Improved Energy Efficiency for Industrial Customers. IEEE Industry Applications Magazine, 2015, 21, 54-62.	0.3	23
874	A multi-agent fuzzy consensus model in a Situation Awareness framework. Applied Soft Computing Journal, 2015, 30, 430-440.	4.1	41
875	A hermeneutic phenomenological study of online community participation. Computers in Human Behavior, 2015, 48, 637-643.	5.1	18
876	An FCMâ€“FAHP approach for managing readiness-relevant activities for ERP implementation. Computers and Industrial Engineering, 2015, 88, 501-517.	3.4	27
877	Fuzzy Cognitive Map-based selection of TRIZ (Theory of Inventive Problem Solving) trends for eco-innovation of ceramic industry products. Journal of Cleaner Production, 2015, 107, 202-214.	4.6	56
878	Application of Fuzzy-Rough Oscillation on the Field of Data Mining (Special Attention to the Crime) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	1
879	A New Fuzzy Cognitive Map Structure Based on the Weighted Power Mean. IEEE Transactions on Fuzzy Systems, 2015, 23, 2188-2201.	6.5	18
880	A multi-agent decentralized energy management system based on distributed intelligence for the design and control of autonomous polygeneration microgrids. Energy Conversion and Management, 2015, 103, 166-179.	4.4	251



#	ARTICLE	IF	CITATIONS
881	Construction of holistic Fuzzy Cognitive Maps using ontology matching method. Expert Systems With Applications, 2015, 42, 5954-5962.	4.4	19
882	Use of HFACSâ€“FCM in fire prevention modelling on board ships. Safety Science, 2015, 77, 25-41.	2.6	70
883	Food traceability: New trends and recent advances. A review. Food Control, 2015, 57, 393-401.	2.8	253
884	A Competent Memetic Algorithm for Learning Fuzzy Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2015, 23, 2397-2411.	6.5	41
885	Integration of ontology-based decision support and a cognitive map approach to predict flat-screen TV market trends. Technological Forecasting and Social Change, 2015, 95, 109-119.	6.2	2
887	A proposal for Multi-Purpose Fuzzy Cognitive Maps library for complex system modeling. , 2015, , .		5
888	Trust in Social Media. Synthesis Lectures on Information Security Privacy and Trust, 2015, 10, 1-129.	0.3	21
889	Knowledge Representation through Graphs. Procedia Computer Science, 2015, 62, 245-248.	1.2	18
890	New design approach to MIMO nonlinear controller for direct expansion air conditioning system in building automation system. , 2015, , .		1
891	Application of fuzzy cognitive maps to electricity consumption prediction. , 2015, , .		11
892	New operation scheme and control of Smart Grids using Fuzzy Cognitive Networks. , 2015, , .		4
893	A New Decision Support Tool for Dynamic Risks Analysis in Collaborative Networks. IFIP Advances in Information and Communication Technology, 2015, , 53-62.	0.5	11
895	Computing With Words in fuzzy cognitive maps. , 2015, , .		11
896	Fuzzy Cognitive Maps as a tool for modeling construction labor productivity. , 2015, , .		2
897	Minimisation of uncertainty in decision-making processes using optimised probabilistic Fuzzy Cognitive Maps: A case study for a rural sector. Socio-Economic Planning Sciences, 2015, 52, 31-40.	2.5	11
898	Fuzzy inference system & fuzzy cognitive maps based classification. , 2015, , .		3
899	Innovation Strategy Evaluation Process Using Fuzzy Cognitive Mapping. Intelligent Systems Reference Library, 2015, , 107-128.	1.0	1
900	IDENTIFYING KEY DETERMINANTS OF HOUSING SALES AND TIME-ON-THE-MARKET (TOM) USING FUZZY COGNITIVE MAPPING. International Journal of Strategic Property Management, 2015, 19, 235-244.	0.8	34

#	ARTICLE	IF	CITATIONS
901	Modelling Knowledge Management Processes Using Fuzzy Cognitive Maps. Lecture Notes in Business Information Processing, 2015, , 41-50.	0.8	5
903	Inferring causal networks using fuzzy cognitive maps and evolutionary algorithms with application to gene regulatory network reconstruction. Applied Soft Computing Journal, 2015, 37, 667-679.	4.1	52
904	Exploring a Timed-automata Fuzzy Cognitive Maps Based Approach for Modeling Systems of Systems. Procedia Manufacturing, 2015, 3, 1910-1917.	1.9	1
905	The structure and function of angler mental models about fish population ecology: The influence of specialization and target species. Journal of Outdoor Recreation and Tourism, 2015, 12, 1-13.	1.3	45
906	Simulation of Causal Relations of Stakeholder Management System by Using Fuzzy Cognitive Map Approach – A Comparison of Hungarian and Lithuanian Attitudes. Procedia Computer Science, 2015, 65, 880-890.	1.2	4
907	Optimizing ERP readiness improvements under budgetary constraints. International Journal of Production Economics, 2015, 161, 105-115.	5.1	20
908	Autonomous tracing system for backward design in food supply chain. Food Control, 2015, 51, 70-84.	2.8	62
909	FORA – A fuzzy set based framework for online reputation management. Fuzzy Sets and Systems, 2015, 269, 90-114.	1.6	13
910	A Decision-Support Framework for Promoting Independent Living and Ageing Well. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 199-209.	3.9	48
912	Assessment of learning in environments interactive through fuzzy cognitive maps. Soft Computing, 2015, 19, 1037-1050.	2.1	14
913	Risk assessment for a video surveillance system based on Fuzzy Cognitive Maps. Multimedia Tools and Applications, 2016, 75, 10667-10690.	2.6	18
914	Data mining in emotion color with affective computing. Multimedia Tools and Applications, 2016, 75, 15185-15198.	2.6	8
915	The use of fuzzy logic techniques to improve decision making in apparel supply chains. , 2016, , 9-39.		3
916	Medical Case Based Reasoning Frameworks. International Journal of Decision Support System Technology, 2016, 8, 31-62.	0.4	7
917	Stakeholder Perceptions of Links between Environmental Changes to their Socio-Ecological System and their Adaptive Capacity in the Region of Troms, Norway. Frontiers in Marine Science, 2016, 3, .	1.2	17
918	Research on Steady States of Fuzzy Cognitive Map and its Application in Three-Rivers Ecosystem. Sustainability, 2016, 8, 40.	1.6	7
919	Ranking Fuzzy Cognitive Map based scenarios using ELECTRE III: Applied on housing market. Expert Systems, 2016, 33, 417-431.	2.9	7
920	Fuzzy cognitive map-based reasoning for prediction of multi-stage attacks in risk assessment. International Journal of Intelligent Engineering Informatics, 2016, 4, 151.	0.1	2

#	ARTICLE	IF	CITATIONS
921	Mapping recreational fishersâ€™ informal learning of scientific information using a fuzzy cognitive mapping approach to mental modelling. Fisheries Management and Ecology, 2016, 23, 315-329.	1.0	6
922	Aggregating expert knowledge for the measurement of systemic risk. Decision Support Systems, 2016, 88, 38-50.	3.5	21
923	Assessing the Feasibility of Adaptive Security Models for the Internet of Things. Lecture Notes in Computer Science, 2016, , 201-211.	1.0	3
924	Implementing fuzzy logic to simulate a process of inference on sensory stimuli of deaf people in an e-learning environment. Computer Applications in Engineering Education, 2016, 24, 320-330.	2.2	3
925	Learning fuzzy cognitive map with PSO algorithm for grading celiac disease. , 2016, , .		13
926	Prospective memory aid: A reminding model based on Fuzzy Cognitive Maps. , 2016, , .		2
927	Fuzzy Cognitive Map to model project management problems. , 2016, , .		13
928	Modeling Knowledge Using a Crowd Of Experts. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 183-187.	0.2	5
929	An overview of fuzzy cognitive maps for energy efficiency in intelligent buildings. , 2016, , .		3
930	A study of fuzzy cognitive map model with dynamic adjustment method for the interaction weights. , 2016, , .		6
931	Towards a new approach of fuzzy cognitive maps. , 2016, , .		7
932	A comparative study using the methods of simulated annealing and Non-linear Hebbian Learning for Fuzzy Cognitive Maps performances. , 2016, , .		1
933	Introducing a Fuzzy Cognitive Map for modeling power market auction behavior. , 2016, , .		1
934	Analysis of fuzzy cognitive maps from ambiguity and fuzziness perspective. , 2016, , .		3
935	DMQEA-FCM: An approach for preference-based decision support. , 2016, , .		1
936	Assessing the Impact of Changes and their Knock-on Effects in Manufacturing Systems. Procedia CIRP, 2016, 57, 479-486.	1.0	16
937	Modelling uncertainty in production processes using non-singleton fuzzification and fuzzy cognitive maps - a virgin olive oil case study. , 2016, , .		1
938	Limited Intervention Collaborative Decision Making of MAV-UAV Team Based on VFCM. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
939	Diagnosis of Pulmonary Tuberculosis using fuzzy Inference System. , 2016, , .		5
940	Sentiment Root Cause Analysis Based on Fuzzy Formal Concept Analysis and Fuzzy Cognitive Map. Journal of Computing and Information Science in Engineering, 2016, 16, .	1.7	6
941	Partitive granular Cognitive Maps to graded multilabel classification. , 2016, , .		4
942	A new conception on the Fuzzy Cognitive Maps method. IFAC-PapersOnLine, 2016, 49, 300-304.	0.5	23
943	Deep Learning vs. Wise Learning: A Critical and Challenging Overview. IFAC-PapersOnLine, 2016, 49, 180-189.	0.5	24
944	Personal digital assistant 2.0 "A software prototype for cognitive cities. , 2016, , .		6
945	Multilayer Cognitive Maps in the Resolution of Problems using the FCM Designer Tool. Applied Artificial Intelligence, 2016, 30, 720-743.	2.0	7
946	Information conservational YinYang Bipolar quantum-fuzzy cognitive maps - mapping business data to business intelligence. , 2016, , .		6
947	Performance evaluation of practice courses using fuzzy cognitive maps. , 2016, , .		2
948	Simulation within simulation for agent decision-making: Theoretical foundations from cognitive science to operational computer model. Cognitive Systems Research, 2016, 40, 46-58.	1.9	2
949	Improving performance evaluation of health, safety and environment management system by combining fuzzy cognitive maps and relative degree analysis. Safety Science, 2016, 87, 92-100.	2.6	31
951	Futuristic data-driven scenario building: Incorporating text mining and fuzzy association rule mining into fuzzy cognitive map. Expert Systems With Applications, 2016, 57, 311-323.	4.4	51
952	A Fault Tolerance Mechanism in Distributed and Complex System on a LAN. Lecture Notes in Electrical Engineering, 2016, , 563-568.	0.3	0
953	Dynamic optimization of fuzzy cognitive maps for time series forecasting. Knowledge-Based Systems, 2016, 105, 29-37.	4.0	87
954	Analyzing Interdependencies between Factory Change Enablers Applying Fuzzy Cognitive Maps. Procedia CIRP, 2016, 52, 151-156.	1.0	11
955	Application of FCM for advanced risk assessment of complex and dynamic systems. IFAC-PapersOnLine, 2016, 49, 1910-1915.	0.5	11
956	A new meniscus injury diagnostic model using fuzzy cognitive maps. , 2016, , .		0
957	Cognitive Decision Support System for medical diagnosis. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
958	Developing Robust Climate Policies: A Fuzzy Cognitive Map Approach. Profiles in Operations Research, 2016, , 239-263.	0.3	9
959	Complexity Thinking for Peacebuilding Practice and Evaluation. , 2016, , .		31
960	YinYang bipolar dynamic organizational modeling for equilibrium-based decision analysis: Logical transformation of an indigenous philosophy to a global science. Asia Pacific Journal of Management, 2016, 33, 723-766.	2.9	17
961	Network Neutrality in the IoT: A Fuzzy Cognitive Map Extend Technology Roadmap Perspective. Computer Communications and Networks, 2016, , 235-257.	0.8	1
962	Analysing Complex Conflicts: Requirements for Complexity-Aware Conflict Analysis. , 2016, , 207-237.		1
963	The need for wise decision making support systems (WDMSS) in developing future intelligent systems plenary paper. , 2016, , .		5
964	A revised approach in modeling fuzzy cognitive maps. , 2016, , .		5
965	A new learning approach for fuzzy cognitive maps based on system performance indicators. , 2016, , .		9
966	Hybrid Dynamic Fuzzy Cognitive Maps and Hierarchical Fuzzy logic controllers for Autonomous Mobile Navigation. , 2016, , .		8
967	Collective awareness in Smart City with Fuzzy Cognitive Maps and Fuzzy sets. , 2016, , .		15
968	QUICKScan as a quick and participatory methodology for problem identification and scoping in policy processes. Environmental Science and Policy, 2016, 66, 47-61.	2.4	19
969	Conceptual modeling and decision making support systems for complex dynamical systems: A critical overview. , 2016, , .		5
970	A Study on Fuzzy Cognitive Map Optimization Using Metaheuristics. Lecture Notes in Computer Science, 2016, , 577-588.	1.0	1
971	Robust learning of large-scale fuzzy cognitive maps via the lasso from noisy time series. Knowledge-Based Systems, 2016, 113, 23-38.	4.0	49
972	Critical success factors of online music streaming services - a case study of applying the fuzzy cognitive maps method. International Journal of Technology Marketing, 2016, 11, 276.	0.1	5
973	Forecasting Indoor Temperature Using Fuzzy Cognitive Maps with Structure Optimization Genetic Algorithm. Studies in Computational Intelligence, 2016, , 65-80.	0.7	1
974	Fuzzy cognitive map for visual servoing of flying robot. , 2016, , .		9
975	Hybrid model for water demand prediction based on fuzzy cognitive maps and artificial neural networks. , 2016, , .		13

#	ARTICLE	IF	CITATIONS
976	Development of adaptive environmental management system: A participatory approach through fuzzy cognitive maps. , 2016, , .		1
977	A TRIANGULAR HESITANT FUZZY APPROACH TO FCM: AN ILLUSTRATIVE EXAMPLE. , 2016, , .		0
978	Timed-Fuzzy Cognitive Maps: An overview. , 2016, , .		4
979	Comparative analysis for Fuzzy Cognitive Mapping. , 2016, , .		6
980	Comparison of stakeholder-generated FCMs across generation methods and metrics. , 2016, , .		0
981	Multilayer cognitive maps to model problems. , 2016, , .		3
983	Hybrid learning of fuzzy cognitive maps for sugarcane yield classification. Computers and Electronics in Agriculture, 2016, 127, 147-157.	3.7	45
984	ARE YOU PLEASED WITH YOUR NEIGHBORHOOD? A FUZZY COGNITIVE MAPPING-BASED APPROACH FOR MEASURING RESIDENTIAL NEIGHBORHOOD SATISFACTION IN URBAN COMMUNITIES. International Journal of Strategic Property Management, 2016, 20, 130-141.	0.8	44
985	Research into Structural Reliability and Survivability of Complex Objects. Advances in Intelligent Systems and Computing, 2016, , 463-473.	0.5	1
986	Methods for translating narrative scenarios into quantitative assessments of land use change. Environmental Modelling and Software, 2016, 82, 7-20.	1.9	114
987	Forecasting Daily Water Demand Using Fuzzy Cognitive Maps. Contributions To Statistics, 2016, , 329-340.	0.2	2
988	Digital Personal Assistant for Cognitive Cities: A Paper Prototype. Studies in Systems, Decision and Control, 2016, , 101-121.	0.8	7
989	A novel semi-quantitative Fuzzy Cognitive Map model for complex systems for addressing challenging participatory real life problems. Applied Soft Computing Journal, 2016, 48, 91-110.	4.1	23
990	A Fuzzy Cognitive Maps Tool for Developing a RBI&M Model. Quality and Reliability Engineering International, 2016, 32, 373-390.	1.4	16
991	Understanding the dynamics behind bank branch service quality in Portugal: pursuing a holistic view using fuzzy cognitive mapping. Service Business, 2016, 10, 469-487.	2.2	27
992	A Generic Decision Support System for Environmental Policy Making: Attributes, Initial Findings and Challenges. Progress in IS, 2016, , 297-315.	0.5	0
993	Predation risk tradeoffs in prey: effects on energy and behaviour. Theoretical Ecology, 2016, 9, 251-268.	0.4	21
994	Rough Cognitive Networks. Knowledge-Based Systems, 2016, 91, 46-61.	4.0	38

#	ARTICLE	IF	CITATIONS
995	Artificial intelligence based cognitive routing for cognitive radio networks. <i>Artificial Intelligence Review</i> , 2016, 45, 25-96.	9.7	49
996	An analysis of DEMATEL approaches for criteria interaction handling within ANP. <i>Expert Systems With Applications</i> , 2016, 46, 346-366.	4.4	248
997	A Dynamic Multiagent Genetic Algorithm for Gene Regulatory Network Reconstruction Based on Fuzzy Cognitive Maps. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 419-431.	6.5	63
998	Visual-based quadrotor control by means of fuzzy cognitive maps. <i>ISA Transactions</i> , 2016, 60, 128-142.	3.1	34
999	The role of e-participation and open data in evidence-based policy decision making in local government. <i>Journal of Organizational Computing and Electronic Commerce</i> , 2016, 26, 64-79.	1.0	43
1000	Generalized fuzzy cognitive maps: a new extension of fuzzy cognitive maps. <i>International Journal of Systems Assurance Engineering and Management</i> , 2016, 7, 156-166.	1.5	5
1001	Fuzzy dual experience-based design evaluation model for integrating engineering design into customer responses. <i>International Journal on Interactive Design and Manufacturing</i> , 2016, 10, 439-458.	1.3	14
1002	Intellectual capital evaluation using fuzzy cognitive maps: A scenario-based development planning. <i>Expert Systems With Applications</i> , 2016, 55, 21-36.	4.4	21
1003	A Granular Intrusion Detection System Using Rough Cognitive Networks. <i>Studies in Computational Intelligence</i> , 2016, , 169-191.	0.7	10
1004	A cognitive map framework to support integrated environmental assessment. <i>Environmental Modelling and Software</i> , 2016, 77, 81-94.	1.9	41
1005	Using mental-modelling to explore how irrigators in the Murray-Darling Basin make water-use decisions. <i>Journal of Hydrology: Regional Studies</i> , 2016, 6, 1-12.	1.0	16
1006	On the convergence of sigmoid Fuzzy Cognitive Maps. <i>Information Sciences</i> , 2016, 349-350, 154-171.	4.0	70
1007	Best practices for conceptual modelling in environmental planning and management. <i>Environmental Modelling and Software</i> , 2016, 80, 113-121.	1.9	51
1009	Integrating qualitative comparative analysis (QCA) and fuzzy cognitive maps (FCM) to enhance the selection of independent variables. <i>Journal of Business Research</i> , 2016, 69, 1471-1478.	5.8	26
1010	Fuzzy cognitive mapping in support of integrated ecosystem assessments: Developing a shared conceptual model among stakeholders. <i>Journal of Environmental Management</i> , 2016, 166, 348-356.	3.8	69
1011	A dynamic ERP critical failure factors modelling with FCM throughout project lifecycle phases. <i>Production Planning and Control</i> , 2016, 27, 65-82.	5.8	42
1012	A fuzzy information-based approach for breast cancer risk factors assessment. <i>Applied Soft Computing Journal</i> , 2016, 38, 437-452.	4.1	31
1013	Technology roadmap through fuzzy cognitive map-based scenarios: the case of wind energy sector of a developing country. <i>Technology Analysis and Strategic Management</i> , 2016, 28, 131-155.	2.0	55

#	ARTICLE	IF	CITATIONS
1014	A new DSS based on situation awareness for smart commerce environments. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2016, 7, 47-61.	3.3	23
1015	Learning of Fuzzy Cognitive Maps With Varying Densities Using A Multiobjective Evolutionary Algorithm. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 71-81.	6.5	58
1016	Use of fuzzy cognitive maps to study urban resilience and transformation. <i>Environmental Innovation and Societal Transitions</i> , 2016, 18, 18-40.	2.5	79
1017	Design of Fuzzy Cognitive Maps for Modeling Time Series. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 120-130.	6.5	76
1018	A fuzzy multiple-attribute decision making model to evaluate new product pricing strategies. <i>Annals of Operations Research</i> , 2017, 251, 205-242.	2.6	18
1019	Semantic Memory Modeling and Memory Interaction in Learning Agents. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 2882-2895.	5.9	15
1020	Integrating Expert Perceptions into Food Web Conservation and Management. <i>Conservation Letters</i> , 2017, 10, 67-76.	2.8	38
1021	Bi-TOPSIS: A New Multicriteria Decision Making Method for Interrelated Criteria With Bipolar Measurement. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 3272-3283.	5.9	13
1022	Semantics-aware detection of targeted attacks: a survey. <i>Journal of Computer Virology and Hacking Techniques</i> , 2017, 13, 47-85.	1.6	43
1023	Learning and Convergence of Fuzzy Cognitive Maps Used in Pattern Recognition. <i>Neural Processing Letters</i> , 2017, 45, 431-444.	2.0	36
1024	Exploring the perceived intrusion of mining into the landscape using the fuzzy cognitive mapping approach. <i>Ecological Engineering</i> , 2017, 101, 60-74.	1.6	36
1026	Application of Fuzzy Cognitive Maps and Run-to-Run Control to a Decision Support System for Global Set-Point Determination. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 2256-2267.	5.9	13
1027	Development of a two-phase structural model for evaluating ERP critical success factors along with a case study. <i>Computers and Industrial Engineering</i> , 2017, 106, 256-274.	3.4	35
1028	A review of fuzzy cognitive maps in medicine: Taxonomy, methods, and applications. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 142, 129-145.	2.6	110
1029	ENHANCING KNOWLEDGE AND STRATEGIC PLANNING OF BANK CUSTOMER LOYALTY USING FUZZY COGNITIVE MAPS. <i>Technological and Economic Development of Economy</i> , 2017, 23, 860-876.	2.3	30
1030	A FUZZY KNOWLEDGE-BASED FRAMEWORK FOR RISK ASSESSMENT OF RESIDENTIAL REAL ESTATE INVESTMENTS. <i>Technological and Economic Development of Economy</i> , 2017, 23, 140-156.	2.3	57
1031	Simulacra and Sustainability Disclosure: Analysis of the Interpretative Models of Creating Shared Value. <i>Corporate Social Responsibility and Environmental Management</i> , 2017, 24, 414-434.	5.0	43
1032	Open innovation in the power & energy sector: Bringing together government policies, companies' interests, and academic essence. <i>Energy Policy</i> , 2017, 104, 316-324.	4.2	36



#	ARTICLE	IF	CITATIONS
1033	Fuzzy cognitive maps enabled root cause analysis in complex projects. <i>Applied Soft Computing Journal</i> , 2017, 57, 235-249.	4.1	32
1034	Bio-inspired computing tools and applications: position paper. <i>International Journal of Information Technology (Singapore)</i> , 2017, 9, 7-17.	1.8	4
1035	Assessment of failures in automobiles due to maintenance errors. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017, 8, 719.	1.5	9
1036	Who Gains and Who Loses in the Shift to Electric Vehicles: Impact Assessment through Multi-criteria Multi-stakeholder Analysis. <i>Procedia Environmental Sciences</i> , 2017, 37, 257-268.	1.3	9
1037	Toward automated quality-centric product line configuration using intentional variability. <i>Journal of Software: Evolution and Process</i> , 2017, 29, e1870.	1.2	18
1038	Modeling economic system using fuzzy cognitive maps. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017, 8, 1472-1486.	1.5	11
1039	Complex Systems Modeling. <i>Topics in Safety, Risk, Reliability and Quality</i> , 2017, , 101-125.	0.1	1
1040	A novel model-based on FCMâ€“LM algorithm for prediction of protein folding rate. <i>Journal of Bioinformatics and Computational Biology</i> , 2017, 15, 1750012.	0.3	4
1041	Exploring the connection between emergent animal personality and fitness using a novel individual-based model and decision tree approach. <i>Ecological Informatics</i> , 2017, 40, 81-92.	2.3	13
1042	Decision making in a complex world: Using OPTamos in a multi-criteria process for land management in the Cuitzmala watershed in Mexico. <i>Land Use Policy</i> , 2017, 67, 73-85.	2.5	12
1043	Enabling sustainable energy futures: factors influencing green supply chain collaboration. <i>Production Planning and Control</i> , 2017, 28, 684-705.	5.8	56
1044	Fuzzy cognitive maps of public support for insurgency and terrorism. <i>Journal of Defense Modeling and Simulation</i> , 2017, 14, 17-32.	1.2	33
1045	Screening models for integrated environmental planning â€“ A feasibility study for Flanders. <i>Futures</i> , 2017, 88, 55-68.	1.4	2
1046	Efficiency in Energy Decision Support Systems Using Soft Computing Techniques. <i>Studies in Computational Intelligence</i> , 2017, , 33-52.	0.7	3
1047	Rough cognitive ensembles. <i>International Journal of Approximate Reasoning</i> , 2017, 85, 79-96.	1.9	20
1048	Optimum design approach based on integrated macro-ergonomics and resilience engineering in a tile and ceramic factory. <i>Safety Science</i> , 2017, 96, 62-74.	2.6	21
1049	Representing qualitative social science in computational models to aid reasoning under uncertainty: National security examples. <i>Journal of Defense Modeling and Simulation</i> , 2017, 14, 57-78.	1.2	7
1050	Medical diagnosis of Rheumatoid Arthritis using data driven PSOâ€“FCM with scarce datasets. <i>Neurocomputing</i> , 2017, 232, 104-112.	3.5	40

#	ARTICLE	IF	CITATIONS
1051	Interactive evolutionary optimization of fuzzy cognitive maps. Neurocomputing, 2017, 232, 58-68.	3.5	32
1052	Learning FCMs with multi-local and balanced memetic algorithms for forecasting industrial drying processes. Neurocomputing, 2017, 232, 52-57.	3.5	25
1053	Towards improving the efficiency of the fuzzy cognitive map classifier. Neurocomputing, 2017, 232, 83-93.	3.5	27
1054	A concept reduction approach for fuzzy cognitive map models in decision making and management. Neurocomputing, 2017, 232, 16-33.	3.5	60
1055	Multi-stage cognitive map for failures assessment of production processes: An extension in structure and algorithm. Neurocomputing, 2017, 232, 69-82.	3.5	46
1056	A two-stage model for time series prediction based on fuzzy cognitive maps and neural networks. Neurocomputing, 2017, 232, 113-121.	3.5	56
1057	Clustering techniques for Fuzzy Cognitive Map design for time series modeling. Neurocomputing, 2017, 232, 3-15.	3.5	27
1058	A cooperative architecture for swarm robotic based on dynamic fuzzy cognitive maps. Engineering Applications of Artificial Intelligence, 2017, 59, 122-132.	4.3	24
1059	Causal effect analysis for fuzzy cognitive maps designed with non-singleton fuzzy numbers. Neurocomputing, 2017, 232, 122-132.	3.5	16
1060	A framework for static and dynamic analysis of multi-layer fuzzy cognitive maps. Neurocomputing, 2017, 232, 133-145.	3.5	35
1061	Wavelet fuzzy cognitive maps. Neurocomputing, 2017, 232, 94-103.	3.5	20
1063	Continuously self-adjusting fuzzy cognitive map with semi-autonomous concepts. Neurocomputing, 2017, 232, 34-51.	3.5	14
1064	Striving for semantic convergence with fuzzy cognitive maps and graph databases. , 2017, , .		6
1065	Characterizing Crowdsourced Data Collected Using DESIM (Descriptive to Executable Simulation) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> /Overlock 0,2		
1066	Policy mixes towards sustainability transition in the Italian biofuel sector: Dealing with alternative crisis scenarios. Energy Research and Social Science, 2017, 33, 105-114.	3.0	41
1067	Fuzzy Logic Patterns Communication and Team Performance. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 145-149.	0.2	1
1068	Drivers of adoption of agroecological practices for winegrowers and influence from policies in the province of Trento, Italy. Land Use Policy, 2017, 68, 200-211.	2.5	28
1069	A mix-method model for adaptation to climate change in the agricultural sector: A case study for Italian wine farms. Journal of Cleaner Production, 2017, 166, 891-900.	4.6	31

#	ARTICLE	IF	CITATIONS
1070	Learning Large-Scale Fuzzy Cognitive Maps Based on Compressed Sensing and Application in Reconstructing Gene Regulatory Networks. <i>IEEE Transactions on Fuzzy Systems</i> , 2017, 25, 1546-1560.	6.5	39
1071	The effect of open innovation on technological entrepreneurship capabilities in high-tech firms: a fuzzy analysis. <i>International Journal of Technoentrepreneurship</i> , 2017, 3, 173.	0.2	2
1073	A Medical Decision Support System for the Prediction of the Coronary Artery Disease Using Fuzzy Cognitive Maps. <i>Communications in Computer and Information Science</i> , 2017, , 269-283.	0.4	9
1074	Situation-driven Fuzzy Cognitive Maps applied in air-to-ground target attack. , 2017, , .		1
1075	Using fuzzy cognitive maps for predicting river management responses: A case study of the Esla River basin, Spain. <i>Ecological Modelling</i> , 2017, 360, 260-269.	1.2	43
1076	Multi-leader PSO (MLPSO): A new PSO variant for solving global optimization problems. <i>Applied Soft Computing Journal</i> , 2017, 61, 256-263.	4.1	42
1077	Intelligent decision making and analysis using fuzzy cognitive maps for disaster recovery planning. <i>International Journal of Information Technology (Singapore)</i> , 2017, 9, 225-238.	1.8	4
1078	An Evolutionary Algorithm Based on Graph Theory Metrics for Fuzzy Cognitive Maps Learning. <i>Lecture Notes in Computer Science</i> , 2017, , 137-149.	1.0	4
1079	Semiautomated cognitive tutor, to serve as a support in upper secondary students in solving algebra problems. , 2017, , .		0
1080	Learning Fuzzy Cognitive Maps Using a Genetic Algorithm with Decision-Making Trial and Evaluation. <i>Lecture Notes in Computer Science</i> , 2017, , 845-857.	1.0	0
1081	Translating community narratives into semi-quantitative models to understand the dynamics of socio-environmental crises. <i>Environmental Modelling and Software</i> , 2017, 97, 46-55.	1.9	19
1082	Pathways for drought resilient livelihoods based on people's perception. <i>Climatic Change</i> , 2017, 140, 179-193.	1.7	21
1083	Modeling renewable energy usage with hesitant Fuzzy cognitive map. <i>Complex &amp; Intelligent Systems</i> , 2017, 3, 155-166.	4.0	10
1084	Programming the mind and decrypting the universe " A bipolar quantum-neuro-fuzzy associative memory model for quantum cognition and quantum intelligence. , 2017, , .		10
1085	Dependencies among environmental performance indicators for buildings and their implications. <i>Building and Environment</i> , 2017, 123, 101-108.	3.0	3
1086	A time series driven decomposed evolutionary optimization approach for reconstructing large-scale gene regulatory networks based on fuzzy cognitive maps. <i>BMC Bioinformatics</i> , 2017, 18, 241.	1.2	20
1087	How do individuals and groups perceive wetland functioning? Fuzzy cognitive mapping of wetland perceptions in Uganda. <i>Land Use Policy</i> , 2017, 60, 181-196.	2.5	26
1088	A survey on computational intelligence approaches for predictive modeling in prostate cancer. <i>Expert Systems With Applications</i> , 2017, 70, 1-19.	4.4	73

#	ARTICLE	IF	CITATIONS
1089	Modelling multicriteria value interactions with Reasoning Maps. European Journal of Operational Research, 2017, 258, 1054-1071.	3.5	27
1090	On Complementarity and the Need for a Transdisciplinary Approach in Addressing Emerging Global Health Issues. , 2017, , 193-212.		2
1091	Fuzzy cognitive maps in the modeling of granular time series. Knowledge-Based Systems, 2017, 115, 110-122.	4.0	48
1092	Transdisciplinary Perspectives on Complex Systems. , 2017, , .		75
1093	Biologically Inspired Techniques for Cognitive Decision-Making. Advances in Intelligent Systems and Computing, 2017, , 353-361.	0.5	0
1094	Human Emotional Understanding for Empathetic Companion Robots. Advances in Intelligent Systems and Computing, 2017, , 277-285.	0.5	4
1095	Modelling Solar Energy Usage with Fuzzy Cognitive Maps. Intelligent Systems Reference Library, 2017, , 159-187.	1.0	8
1096	Fuzzy cognitive maps as a decision support tool for container transport logistics. Evolving Systems, 2017, 8, 19-33.	2.4	10
1097	A Fuzzy Cognitive Map Approach Applied in Cost-Benefit Analysis for Highway Projects. International Journal of Fuzzy Systems, 2017, 19, 1512-1527.	2.3	24
1098	Mental Models Analysis and Comparison Based on Fuzzy Rules: A Case Study of the Protests of June and July 2013 in Brazil. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2021-2033.	5.9	5
1099	A Medical Diagnosis Method Based on Interval-valued Fuzzy Cognitive Map. , 2017, , .		3
1100	A new approach using mixed graphical model for automatic design of fuzzy cognitive maps from ordinal data. , 2017, , .		7
1101	Fuzzy cognitive maps for decision making in triage of non-critical elderly patients. , 2017, , .		12
1102	Modelling inoperability propagation mechanism in interdependent systems. , 2017, , .		2
1103	A New Approach of Dynamic Fuzzy Cognitive Knowledge Networks in Modelling Diagnosing Process of Meniscus Injury * *The present work was financially supported by the "Andreas Mentzelopoulos Scholarships University of Patras".. IFAC-PapersOnLine, 2017, 50, 5861-5866.	0.5	7
1104	Fuzzy cognitive model development for monitoring of results and reporting within the UN FAO food security program. Procedia Computer Science, 2017, 120, 430-437.	1.2	5
1105	Suggestion of Emotion Model for a Communication Agent. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2017, 29, 501-506.	0.0	2
1106	A survey of fuzzy cognitive maps forecasting methods. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
1107	Interval valued data enhanced fuzzy cognitive maps: Towards an approach for Autism deduction in Toddlers. , 2017, , .		5
1108	Adaptive and intelligent navigation of autonomous planetary rovers " A survey. , 2017, , .		20
1109	Analyzing and simplifying model uncertainty in fuzzy cognitive maps. , 2017, , .		11
1110	Analysing Latin American and Caribbean forest vulnerability from socio-economic factors. Journal of Integrative Environmental Sciences, 2017, 14, 109-130.	1.0	6
1111	Accurate prediction of differential GPS corrections using fuzzy cognitive map. , 2017, , .		2
1112	Fuzzy cognitive maps based on text analysis for supporting strategic planning. , 2017, , .		2
1113	Computational intelligence for risk analysis in software testing. , 2017, , .		0
1114	Improved estimation of effective brain connectivity in functional neuroimaging through higher order fuzzy cognitive maps. , 2017, , .		4
1115	Deriving Cognitive Map Concepts on the Basis of Social Media Data Clustering. , 2017, , .		3
1116	Intelligent security and risk analysis in network systems. , 2017, , .		1
1117	A management experiment reveals the difficulty of altering seedling growth and palatable plant biomass by culling invasive deer. Wildlife Research, 2017, 44, 623.	0.7	7
1118	Soft-computing methods applied in parameter analysis of educational models. , 2017, , .		1
1119	A fuzzy-statistical approach to cognitive maps: Application to modelling finnish dairy farms' profitability. , 2017, , .		0
1120	Factors affecting the human error: representations of mental models for emergency management. International Journal of Simulation and Process Modelling, 2017, 12, 287.	0.1	5
1121	A hesitant fuzzy cognitive mapping approach with risk preferences for student accommodation problems. International Journal of Applied Management Science, 2017, 9, 253.	0.1	5
1122	Risk analysis in a production system using fuzzy cognitive map. International Journal of Mathematics in Operational Research, 2017, 11, 29.	0.1	3
1123	A New Perspective on Formation of Haze-Fog: The Fuzzy Cognitive Map and Its Approaches to Data Mining. Sustainability, 2017, 9, 352.	1.6	9
1124	Exploring Precision Farming Scenarios Using Fuzzy Cognitive Maps. Sustainability, 2017, 9, 1241.	1.6	25

#	ARTICLE	IF	CITATIONS
1125	Fuzzy Cognitive Maps Tool for Scenario Analysis and Pattern Classification. , 2017, , .		12
1126	A Design of a Hybrid Non-Linear Control Algorithm. Energies, 2017, 10, 1823.	1.6	2
1127	Accountability as a Governance Paradox in the Norwegian Salmon Aquaculture Industry. Frontiers in Marine Science, 2017, 4, .	1.2	4
1128	A New Fuzzy Cognitive Map Learning Algorithm for Speech Emotion Recognition. Mathematical Problems in Engineering, 2017, 2017, 1-12.	0.6	2
1129	New concerns on fuzzy cognitive maps equation and sigmoid function. , 2017, , .		5
1130	Behavioral analysis of fuzzy cognitive map models by simulation. , 2017, , .		4
1131	Improving the performance of classification models with fuzzy cognitive maps. , 2017, , .		3
1132	Content Analysis Using Fuzzy Cognitive Map (FCM): A Guide to Capturing Causal Relationships from Secondary Sources of Data. , 2017, , .		8
1133	Remarks on the uncertainty expansion problem in calculations of models of relational fuzzy cognitive maps. , 2017, , .		1
1134	Obtaining Reliability Insights during a Productâ€™s Conceptual Design Process through Bayesian Network Modeling. Industrial Engineering & Management, 2017, 06, .	0.1	0
1135	Towards a Coherent Theory of Project Alliancing: Discovering the Systemâ€™s Complex Mechanisms Yielding Value for Money. Construction Economics and Building, 2017, 17, 41-61.	0.5	14
1136	Mobile robot navigation based on Fuzzy Cognitive Map optimized with Grey Wolf Optimization Algorithm used in Augmented Reality. , 2017, , .		5
1137	A Participatory Approach for Adapting River Basins to Climate Change. Water (Switzerland), 2017, 9, 958.	1.2	20
1138	"Compatible" Fuzzy Cognitive Maps for Direct and Inverse Inference. , 2017, , .		3
1139	Operationalizing integrated ecosystem assessments within a multidisciplinary team: lessons learned from a worked example. ICES Journal of Marine Science, 2017, 74, 2076-2086.	1.2	58
1140	Is Connectivity a Desirable Property in Urban Resilience Assessments?. Lecture Notes in Energy, 2018, , 195-211.	0.2	4
1141	On the Accuracyâ€™Convergence Tradeoff in Sigmoid Fuzzy Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2018, 26, 2479-2484.	6.5	19
1142	A Mutual Information-Based Two-Phase Memetic Algorithm for Large-Scale Fuzzy Cognitive Map Learning. IEEE Transactions on Fuzzy Systems, 2018, 26, 2120-2134.	6.5	38

#	ARTICLE	IF	CITATIONS
1143	Two-Stage Learning Based Fuzzy Cognitive Maps Reduction Approach. IEEE Transactions on Fuzzy Systems, 2018, 26, 2938-2952.	6.5	19
1144	Re-approaching fuzzy cognitive maps to increase the knowledge of a system. AI and Society, 2018, 33, 175-188.	3.1	41
1145	Influence of different discourses on the outcomes of development policies and projects: Insights from water project implementation in Nepal. Environmental Policy and Governance, 2018, 28, 141-152.	2.1	2
1146	Emergence of new knowledge for climate change adaptation. Environmental Science and Policy, 2018, 83, 46-53.	2.4	61
1147	Automatic Fuzzy Cognitive Map Building Online System. Procedia Computer Science, 2018, 123, 228-233.	1.2	10
1148	New Approach for Mapping the Vulnerability of Agroecosystems Based on Expert Knowledge. Mathematical Geosciences, 2018, 50, 679-696.	1.4	12
1149	Scientific discourse of citizen scientists: Models as a boundary object for collaborative problem solving. Computers in Human Behavior, 2018, 87, 480-492.	5.1	24
1150	Analytic hierarchy process in artificial life model based on fuzzy cognitive maps. Journal of Ambient Intelligence and Smart Environments, 2018, 10, 127-141.	0.8	3
1151	Application of Fuzzy Cognitive Map for geospatial dengue outbreak risk prediction of tropical regions of Southern India. Intelligent Decision Technologies, 2018, 12, 231-250.	0.6	7
1152	Strategizing sustainability in e-commerce channels for additive manufacturing using value-focused thinking and fuzzy cognitive maps. Industrial Management and Data Systems, 2018, 118, 390-411.	2.2	31
1153	A YinYang bipolar fuzzy cognitive TOPSIS method to bipolar disorder diagnosis. Computer Methods and Programs in Biomedicine, 2018, 158, 1-10.	2.6	25
1154	A model for assessment of uncertainty in tacit knowledge acquisition. Journal of Knowledge Management, 2018, 22, 413-431.	3.2	18
1155	A scenario-based modeling method for controlling ECM performance. Expert Systems With Applications, 2018, 97, 253-265.	4.4	6
1156	Extended evidential cognitive maps and its applications. Journal of the Franklin Institute, 2018, 355, 381-405.	1.9	4
1157	Simplifying humanitarian assistance/disaster relief analytic models using activity-based intelligence. Disaster Prevention and Management, 2018, 27, 60-73.	0.6	0
1158	Time-Series Forecasting Based on High-Order Fuzzy Cognitive Maps and Wavelet Transform. IEEE Transactions on Fuzzy Systems, 2018, 26, 3391-3402.	6.5	75
1159	Additive Fuzzy Systems: From Generalized Mixtures to Rule Continua. International Journal of Intelligent Systems, 2018, 33, 1573-1623.	3.3	19
1160	Relative importance of explanatory variables: Traditional method versus soft regression. International Journal of Intelligent Systems, 2018, 33, 1180-1196.	3.3	7

#	ARTICLE	IF	CITATIONS
1161	Readiness assessment of leagility supply chain based on fuzzy cognitive maps and interpretive structural modeling: a case study. <i>Journal of Business and Industrial Marketing</i> , 2018, 33, 442-456.	1.8	17
1162	Affordances of agricultural systems analysis tools: A review and framework to enhance tool design and implementation. <i>Agricultural Systems</i> , 2018, 164, 20-30.	3.2	47
1163	Energy Management – Collective and Computational Intelligence with Theory and Applications. <i>Studies in Systems, Decision and Control</i> , 2018, , .	0.8	4
1165	A scenario simulation approach for sustainable mobility project evaluation based on fuzzy cognitive maps. <i>International Journal of Modelling and Simulation</i> , 0, , 1-11.	2.3	7
1166	An Environment for Collective Perception based on Fuzzy and Semantic Approaches. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , 2018, 8, 191-210.	3.5	14
1167	A decision system using fuzzy cognitive map and multi-group data envelopment analysis to estimate hospitals – outputs level. <i>Neural Computing and Applications</i> , 2018, 29, 761-777.	3.2	37
1168	A novel hybrid method based on fuzzy cognitive maps and fuzzy clustering algorithms for grading celiac disease. <i>Neural Computing and Applications</i> , 2018, 30, 1573-1588.	3.2	36
1169	Artificial Life Environment Modeled by Dynamic Fuzzy Cognitive Maps. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018, 10, 88-101.	2.6	16
1170	From Equilibrium-Based Business Intelligence to Information Conservational Quantum-Fuzzy Cryptography – A Cellular Transformation of Bipolar Fuzzy Sets to Quantum Intelligence Machinery. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 656-669.	6.5	23
1171	New Mechanisms for Reasoning and Impacts Accumulation for Rule-Based Fuzzy Cognitive Maps. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 543-555.	6.5	13
1172	An intelligent decision making approach for identifying and analyzing airport risks. <i>Journal of Air Transport Management</i> , 2018, 68, 14-27.	2.4	36
1173	Fuzzy-Rough Cognitive Networks. <i>Neural Networks</i> , 2018, 97, 19-27.	3.3	38
1174	Exploring strengths and weaknesses of bioethanol production from bio-waste in Greece using Fuzzy Cognitive Maps. <i>Energy Policy</i> , 2018, 112, 4-11.	4.2	19
1175	The potential impact of Brexit on the energy, water and food nexus in the UK: A fuzzy cognitive mapping approach. <i>Applied Energy</i> , 2018, 210, 487-498.	5.1	52
1176	Trust Management in Mobile Platforms. , 2018, , 83-113.		1
1177	Dynamic risk assessment of complex systems using FCM. <i>International Journal of Production Research</i> , 2018, 56, 1070-1088.	4.9	30
1178	Fuzzy Cognitive Map Approach to Analyze Causes of Change Orders in Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	26
1179	Policy developments for the reduction of climate change impacts by the transportation sector. <i>Transport Policy</i> , 2018, 61, 36-50.	3.4	41



#	ARTICLE	IF	CITATIONS
1180	Managing food security through food waste and loss: Small data to big data. Computers and Operations Research, 2018, 98, 367-383.	2.4	98
1181	Fuzzy cognitive maps for adverse drug event risk management. Safety Science, 2018, 102, 194-210.	2.6	40
1182	The networking dynamics of the Italian biofuel industry in time of crisis: Finding an effective instrument mix for fostering a sustainable energy transition. Energy Policy, 2018, 112, 334-348.	4.2	42
1183	A traceability chain algorithm for artificial neural networks using Tâ€™S fuzzy cognitive maps in blockchain. Future Generation Computer Systems, 2018, 80, 198-210.	4.9	71
1184	Fuzzy Cognitive Maps Based Models for Pattern Classification: Advances and Challenges. Studies in Fuzziness and Soft Computing, 2018, , 83-98.	0.6	21
1185	Temporal Sleuth Machine with decision tree for temporal classification. Soft Computing, 2018, 22, 8077-8095.	2.1	3
1186	Causal Graphs and Concept-Mapping Assumptions. Applied System Innovation, 2018, 1, 25.	2.7	1
1187	The Role of Smart Technologies to Support Citizen Engagement and Decision Making. International Journal of Electronic Government Research, 2018, 14, 1-17.	0.5	14
1188	Innovative Method of Urban Planning Management Based on the Mathematical Modelling of the Network Objects. MATEC Web of Conferences, 2018, 251, 03040.	0.1	0
1189	The Taxonomic Cognitive Map Query Language: A General Approach to Analyse Cognitive Maps. , 2018, , .		1
1190	Overcoming Intelligently Some of the Drawbacks of Fuzzy Cognitive Maps. , 2018, , .		1
1191	Towards an agent-driven scenario awareness in remote sensing environments. , 2018, , .		7
1192	Key Development Factors of Hydrothermal Processes in Germany by 2030: A Fuzzy Logic Analysis. Energies, 2018, 11, 3532.	1.6	8
1193	Modelling Construction Management Problems with Fuzzy Cognitive Maps. , 2018, , 413-449.		8
1195	Diagnosis of Autoimmune Hepatitis with High-Order Fuzzy Cognitive Map. , 2018, , .		0
1196	Exploring the Influencing Factors of the Diffusion of Electric Vehicles Sharing Service in Shanghai Using Fuzzy Cognitive Maps. , 2018, , .		1
1197	Intelligent Technology of Decision-Making Support in Problem of Assessment of Technical Condition with Use of Causal Cognitive Maps. , 2018, , .		0
1198	Modeling Irrational Consumer Behaviors with Cognitive Maps : An Outline of a Framework. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1199	Models experience presentation for logistics projects implementation based on geoinformation models. , 2018, , .		0
1200	Knowledge modeling for root cause analysis of complex systems based on dynamic fuzzy cognitive maps. IFAC-PapersOnLine, 2018, 51, 13-18.	0.5	3
1201	Increasing the Energy Efficiency of Buildings using Human Cognition; via Fuzzy Cognitive Maps. IFAC-PapersOnLine, 2018, 51, 727-732.	0.5	9
1202	Expert views on low-carbon transition strategies for the Dutch solar sector: A delay-based fuzzy cognitive mapping approach. IFAC-PapersOnLine, 2018, 51, 715-720.	0.5	6
1203	Modeling nearly Zero Energy Building using new equations and separating concepts on Fuzzy Cognitive Maps. IFAC-PapersOnLine, 2018, 51, 709-714.	0.5	3
1204	Fuzzy cognitive mapping vs. statistic approach of geomorphological analysis of active faults: Preliminary results from a case study within the Corinth Graben, Greece. IFAC-PapersOnLine, 2018, 51, 372-377.	0.5	4
1205	Hybrid Decision Support System based on DEMATEL and Fuzzy Cognitive Maps. IFAC-PapersOnLine, 2018, 51, 1636-1642.	0.5	12
1206	Customer Requirement Analysis of Engineering Project Safety Management Intelligent System. , 2018, , .		1
1207	Objective Functions in Fuzzy Cognitive Maps: the Case of Time Series Modeling. , 2018, , .		1
1208	FCM Expert: Software Tool for Scenario Analysis and Pattern Classification Based on Fuzzy Cognitive Maps. International Journal on Artificial Intelligence Tools, 2018, 27, 1860010.	0.7	36
1209	Agents and Multi-agent Coordination. Cognitive Intelligence and Robotics, 2018, , 57-88.	0.6	0
1210	Fuzzy Cognitive Maps and Fuzzy Logic applied in industrial processes control. , 2018, , .		9
1211	Stochastic season-wide optimal production planning of virgin olive oil. Journal of Process Control, 2018, 72, 64-73.	1.7	4
1212	Switching Control of DC Motor Using Multiple Fuzzy Cognitive Network Models. , 2018, , .		2
1213	Prediction of DNA-binding residues in local segments of protein sequences with Fuzzy Cognitive Maps. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 17, 1-1.	1.9	15
1214	Engineering the Future of Sepsis Care: An Application of Fuzzy Logic Cognitive Mapping for Sepsis Diagnosis. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2018, 7, 103-104.	0.2	0
1215	Fuzzy Cognitive Map-Based Modeling of Social Acceptance to Overcome Uncertainties in Establishing Waste Biorefinery Facilities. Frontiers in Energy Research, 2018, 6, .	1.2	51
1216	System Identification and Indirect Inverse Control Using Fuzzy Cognitive Networks with Functional Weights. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
1217	Application of Fuzzy Cognitive Maps to Multi-Step Ahead Prediction of Electricity Consumption. , 2018, , .		3
1218	Implementing Fuzzy Cognitive Maps with Neural Networks for Natural Gas Prediction. , 2018, , .		6
1219	The use of fuzzy cognitive maps in evaluation of prognosis of chronic heart failure patients. , 2018, , .		3
1220	Network Security Risk Assessment Using Intelligent Agents. , 2018, , .		5
1221	A Framework for Building Integrative Scenarios of Autonomous Vehicle Technology Application and Impacts, using Fuzzy Cognitive Maps (FCM). , 2018, , .		5
1222	CA-FCM: Towards a formal representation of experts' causal judgements over construction project changes. Advanced Engineering Informatics, 2018, 38, 620-638.	4.0	6
1223	A comparison of stable and fluctuating resources with respect to evolutionary adaptation and life-history traits using individual-based modeling and machine learning. Journal of Theoretical Biology, 2018, 459, 52-66.	0.8	6
1224	Mathematical Modeling in Adaptive Corporate Training. , 2018, , .		0
1225	Effects of Future Connected Autonomous Vehicles on Freeway Congestion using Fuzzy Cognitive Mapping. , 2018, , .		1
1226	Aggregate experts knowledge in Fuzzy Cognitive Maps. , 2018, , .		11
1227	Exploring the Core Attributes of Digitalization Causing High Impact on Learning Trends Of Students Using LIFAM. International Journal of Engineering and Technology(UAE), 2018, 7, 169.	0.2	0
1228	The Fuzziness of the Molecular World and Its Perspectives. Molecules, 2018, 23, 2074.	1.7	51
1229	Dental Caries Degree Detection Based on Fuzzy Cognitive Maps and Genetic Algorithm. , 2018, , .		4
1230	Assessment of workplace accident risks in underground collieries by integrating a multi-goal cause-and-effect analysis method with MCDM sensitivity analysis. Stochastic Environmental Research and Risk Assessment, 2018, 32, 3317-3332.	1.9	36
1231	Using Fuzzy Grey Cognitive Maps To Model Threat Assessment For UAVs. , 2018, , .		3
1232	Fuzzy Reasoning in Cognitive Cities : An Exploratory Work on Fuzzy Analogical Reasoning Using Fuzzy Cognitive Maps. , 2018, , .		14
1233	Fuzzy Cognitive Maps designing through large dataset and experts' knowledge balancing. , 2018, , .		9
1234	Conceptual model for analysing domino effect among concepts affecting supply chain resilience. Supply Chain Forum, 2018, 19, 282-299.	2.7	14

#	ARTICLE	IF	CITATIONS
1235	Parallel Fuzzy Cognitive Map Using Evolutionary Feature Reduction for Big Data Classification Problem. Communications in Computer and Information Science, 2018, , 226-239.	0.4	3
1236	The Use of Fuzzy Cognitive Maps to Support Problem Structuring in Watershed Committee. , 2018, , .		2
1237	Urban land-use change: The role of strategic spatial planning. Global Environmental Change, 2018, 51, 32-42.	3.6	204
1238	An integrated OSH risk management approach to surgical flow disruptions in operating rooms. Safety Science, 2018, 109, 281-293.	2.6	6
1240	Beyond the tradition: Using Fuzzy Cognitive Maps to elicit expert views on coastal susceptibility to erosion in Bangladesh. Catena, 2018, 170, 36-50.	2.2	12
1241	The Diversity of Adaptation in a Multilevel Governance Setting. , 2018, , 49-172.		2
1243	Review of Control Techniques for HVAC Systemsâ€™ Nonlinearity Approaches Based on Fuzzy Cognitive Maps. Energies, 2018, 11, 495.	1.6	130
1244	Downscaling Africaâ€™s Drought Forecasts through Integration of Indigenous and Scientific Drought Forecasts Using Fuzzy Cognitive Maps. Geosciences (Switzerland), 2018, 8, 135.	1.0	13
1245	The Waterâ€™Energyâ€™Food Nexus: A Fuzzy-Cognitive Mapping Approach to Support Nexus-Compliant Policies in Andalusia (Spain). Water (Switzerland), 2018, 10, 664.	1.2	53
1246	Fuzzy spatial maps to identify oil palm units: Spatial fuzzy maps. , 2018, , .		3
1247	Interval-valued intuitionistic fuzzy cognitive maps for stock index forecasting. , 2018, , .		3
1248	Risk analysis of sequential processes in food industry integrating multi-stage fuzzy cognitive map and process failure mode and effects analysis. Computers and Industrial Engineering, 2018, 123, 325-337.	3.4	73
1249	Transparency and Reproducibility in Participatory Systems Modelling: the Case of Fuzzy Cognitive Mapping. Systems Research and Behavioral Science, 2018, 35, 791-810.	0.9	31
1250	Inferring gene regulatory networks with hybrid of multi-agent genetic algorithm and random forests based on fuzzy cognitive maps. Applied Soft Computing Journal, 2018, 69, 585-598.	4.1	12
1251	Criteria evaluation for pricing decisions in strategic marketing management using an intuitionistic cognitive map approach. Soft Computing, 2018, 22, 4989-5005.	2.1	25
1252	A multi-perspective aerial monitoring system for scenario detection. , 2018, , .		4
1253	A comparison of sexual selection versus random selection with respect to extinction and speciation rates using individual based modeling and machine learning. Ecological Complexity, 2018, 36, 126-137.	1.4	7
1254	Motor Fault Detection and Diagnosis Using Fuzzy Cognitive Networks with Functional Weights. , 2018, , .		12

#	ARTICLE	IF	CITATIONS
1255	Calibrating the factors of management quality in banking performance: a mixed method approach. <i>Measuring Business Excellence</i> , 2018, 22, 242-257.	1.4	5
1256	Ensemble Interval-Valued Fuzzy Cognitive Maps. <i>IEEE Access</i> , 2018, 6, 38356-38366.	2.6	15
1257	Consequence-based framework for buried infrastructure systems: A Bayesian belief network model. <i>Reliability Engineering and System Safety</i> , 2018, 180, 290-301.	5.1	53
1258	On the Existence and Uniqueness of Fixed Points of Fuzzy Cognitive Maps. <i>Communications in Computer and Information Science</i> , 2018, , 490-500.	0.4	19
1259	A hybrid intelligent model for assessment of critical success factors in high-risk emergency system. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 1933-1953.	3.3	86
1260	The Role of Digital Technologies in Promoting Smart City Governance. , 2018, , .		10
1261	A novel medical decision support system based on fuzzy cognitive maps enhanced by intuitive and learning capabilities for modeling uncertainty. <i>Applied Mathematics and Computation</i> , 2018, 337, 562-582.	1.4	25
1262	Prioritisation of Nielsen's Usability Heuristics for User Interface Design Using Fuzzy Cognitive Maps. <i>Communications in Computer and Information Science</i> , 2018, , 511-522.	0.4	0
1263	Interpretation-aware Cognitive Map construction for time series modeling. <i>Fuzzy Sets and Systems</i> , 2019, 361, 33-55.	1.6	5
1264	An integrated Taguchi loss function's fuzzy cognitive map's MCGP with utility function approach for supplier selection problem. <i>Neural Computing and Applications</i> , 2019, 31, 7595-7614.	3.2	22
1265	Granular cognitive maps: a review. <i>Granular Computing</i> , 2019, 4, 451-467.	4.4	8
1266	High-order Intuitionistic Fuzzy Cognitive Map Based on Evidential Reasoning Theory. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 16-30.	6.5	20
1267	Applications of Fuzzy Cognitive Maps in Human Systems Integration. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 391-399.	0.5	0
1268	Proactive UAVs for Cognitive Contextual Awareness. <i>IEEE Systems Journal</i> , 2019, 13, 3568-3579.	2.9	17
1269	Bridging uncertainty concepts across narratives and simulations in environmental scenarios. <i>Regional Environmental Change</i> , 2019, 19, 655-666.	1.4	25
1270	Evaluation of supply chain configuration criteria using fuzzy cognitive map. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
1271	A Sparse Fireworks Algorithm for Gene Regulatory Network Reconstruction based on Fuzzy Cognitive Maps. , 2019, , .		3
1272	Learning of Boosting Fuzzy Cognitive Maps Using a Real-coded Genetic Algorithm. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
1273	Hierarchical fuzzy situational networks for online decision-making: Application to telecommunication systems. Knowledge-Based Systems, 2019, 185, 104935.	4.0	19
1274	Analyzing energy poverty with Fuzzy Cognitive Maps: A step-forward towards a more holistic approach. Energy Sources, Part B: Economics, Planning and Policy, 2019, 14, 159-182.	1.8	19
1275	Soft computing decision making system to analyze the risk factors of T2DM. AIP Conference Proceedings, 2019, , .	0.3	5
1276	A study on the symptoms of migraine using induced fuzzy cognitive maps. AIP Conference Proceedings, 2019, , .	0.3	0
1277	Designing Intelligent MIMO Nonlinear Controller Based on Fuzzy Cognitive Map Method for Energy Reduction of the Buildings. Energies, 2019, 12, 2713.	1.6	4
1278	Analysis of influencing factors in emergency management based on an integrated methodology. Adaptive Behavior, 2019, 27, 331-345.	1.1	10
1279	A Stable, Unified Density Controlled Memetic Algorithm for Gene Regulatory Network Reconstruction Based on Sparse Fuzzy Cognitive Maps. Neural Processing Letters, 2019, 50, 2843-2870.	2.0	1
1280	An evaluation of the role of fuzzy cognitive maps and Bayesian belief networks in the development of causal knowledge systems. Journal of Intelligent and Fuzzy Systems, 2019, 37, 1905-1920.	0.8	2
1281	A Measure of Structural Complexity of Hierarchical Fuzzy Systems Adapted from Software Engineering. , 2019, , .		4
1282	How impacting factors affect Chinese green purchasing behavior based on Fuzzy Cognitive Maps. Journal of Cleaner Production, 2019, 240, 118199.	4.6	51
1283	A Systemic Approach to City Image Building. The Case of Katowice City. Sustainability, 2019, 11, 4470.	1.6	11
1284	Causal reasoning of emergency cases based on Fuzzy Cognitive Map. Procedia Computer Science, 2019, 159, 1238-1245.	1.2	2
1285	Caught by the fuzz: Using FCM to prevent coastal adaptation stakeholders from fleeing the scene. Marine Policy, 2019, 109, 103688.	1.5	8
1286	Bipolar Fuzzy Rough Cognitive Network. , 2019, , .		0
1287	Categorising and clustering knowledge in fuzzy cognitive maps. International Journal of System of Systems Engineering, 2019, 9, 235.	0.4	1
1288	Fuzzy cognitive mapping: An old tool with new uses in nursing research. Journal of Advanced Nursing, 2019, 75, 3823-3830.	1.5	20
1289	Medical decision support systems based on Fuzzy Cognitive Maps. International Journal of Biomathematics, 2019, 12, 1950069.	1.5	12
1290	Application of fuzzy cognitive map-based TRIZ inventive principles for sustainable sediment management in dam reservoirs. H2Open Journal, 2019, 2, 137-145.	0.8	1

#	ARTICLE	IF	CITATIONS
1291	A hybrid decision-making approach based on FCM and MOORA for occupational health and safety risk analysis. <i>Journal of Safety Research</i> , 2019, 71, 111-123.	1.7	69
1292	Semi-Unknown Environments Exploration Inspired by Swarm Robotics using Fuzzy Cognitive Maps. , 2019, , .		8
1293	Animal communication of fear and safety related to foraging behavior and fitness: An individual-based modeling approach. <i>Ecological Informatics</i> , 2019, 54, 101011.	2.3	4
1294	Causal Inference of Optimal Control Water Level and Inflow in Reservoir Optimal Operation Using Fuzzy Cognitive Map. <i>Water (Switzerland)</i> , 2019, 11, 2147.	1.2	7
1295	A Fuzzy Cognitive Map (FCM) as a Learning Model for Early Prognosis of Seasonal Related Virus Diseases in Tropical Regions. , 2019, , .		2
1296	Time Series Classification using Fuzzy Cognitive Maps. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, , 1-1.	6.5	8
1297	A fuzzy decision aid for evaluating agile project management performance indicators. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
1298	Dynamic Modeling of the Relationship Between Risks of Activities and Reduction of Activities Time in the Post-Implementation Phase of the Enterprise Resource Planning System Using Fuzzy Cognitive Maps. , 2019, , .		0
1299	Issues of transport security and human factor. <i>E3S Web of Conferences</i> , 2019, 91, 08062.	0.2	3
1300	A generalised fuzzy cognitive mapping approach for modelling complex systems. <i>Applied Soft Computing Journal</i> , 2019, 84, 105754.	4.1	27
1301	Evaluating Socio-Ecological Interactions for the Management of Protected Urban Green Spaces. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	7
1302	Characteristics and scenarios of solar energy development in Iran: Fuzzy cognitive map-based approach. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 116, 109410.	8.2	42
1303	Modeling the process of shaping the public opinion through Multilevel Fuzzy Cognitive Maps. <i>Applied Soft Computing Journal</i> , 2019, 85, 105756.	4.1	18
1304	From individual Fuzzy Cognitive Maps to Agent Based Models: Modeling multi-factorial and multi-stakeholder decision-making for water scarcity. <i>Journal of Environmental Management</i> , 2019, 250, 109482.	3.8	38
1305	Instrument mix for energy transition: A method for policy formulation. <i>Technological Forecasting and Social Change</i> , 2019, 148, 119706.	6.2	53
1306	A fuzzy scenario-based approach to analyzing neuromarketing technology evaluation factors. <i>Soft Computing</i> , 2019, 23, 12295-12304.	2.1	5
1307	Visualization and Interpretation Tool for Expert Systems Based on Fuzzy Cognitive Maps. <i>IEEE Access</i> , 2019, 7, 6140-6150.	2.6	6
1308	Comparative Analysis of Symbolic Reasoning Models for Fuzzy Cognitive Maps. <i>Studies in Fuzziness and Soft Computing</i> , 2019, , 127-139.	0.6	2

#	ARTICLE	IF	CITATIONS
1309	Industrial Engineering in the Big Data Era. Lecture Notes in Management and Industrial Engineering, 2019, , .	0.3	8
1310	Are you thinking what iâ€™m thinking? A conceptual modeling approach to understand stakeholdersâ€™ assessments of the fate of chesapeake oysters. Marine Policy, 2019, 99, 99-110.	1.5	4
1311	Fuzzy Cognitive Maps as a Tool to Forecast Emotions in Refugee and Migrant Communities for Site Management. Lecture Notes in Business Information Processing, 2019, , 3-14.	0.8	3
1312	Risk Analysis: Fuzzy Cognitive Maps Vs Fault Trees. Journal of Computer and Systems Sciences International, 2019, 58, 200-211.	0.2	1
1313	A dynamic multiple attribute decision making model with learning of fuzzy cognitive maps. Computers and Industrial Engineering, 2019, 135, 1063-1076.	3.4	20
1314	Building a Collaborative Model of Sacroiliac Joint Dysfunction and Pelvic Girdle Pain to Understand the Diverse Perspectives of Experts. PM and R, 2019, 11, S11-S23.	0.9	8
1315	A cognitive map in a poison frog. Journal of Experimental Biology, 2019, 222, .	0.8	29
1316	Optimal technical and economic configuration of photovoltaic powered reverse osmosis desalination systems operating in autonomous mode. Desalination, 2019, 466, 97-106.	4.0	63
1318	Computational intelligence techniques for medical diagnosis and prognosis: Problems and current developments. Biocybernetics and Biomedical Engineering, 2019, 39, 638-672.	3.3	31
1319	Cognitive Software-Defined Networking Using Fuzzy Cognitive Maps. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 517-539.	4.9	14
1320	On the Implementation of Evolving Dynamic Cognitive Maps. Advances in Intelligent Systems and Computing, 2019, , 201-213.	0.5	1
1321	Adaptive online time series prediction based on a novel dynamic fuzzy cognitive map. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5291-5303.	0.8	18
1322	Renewable energy based mine reclamation strategy: A hybrid fuzzy-based network analysis. Journal of Cleaner Production, 2019, 230, 253-263.	4.6	29
1323	Value Chains in Sub-Saharan Africa. Advances in African Economic, Social and Political Development, 2019, , .	0.1	3
1324	Critical barriers to the introduction of shore power supply for green port development: case of Djibouti container terminals. Clean Technologies and Environmental Policy, 2019, 21, 1293-1306.	2.1	39
1325	Effectiveness assessment of ship navigation safety countermeasures using fuzzy cognitive maps. Safety Science, 2019, 117, 352-364.	2.6	43
1326	A sparse and decomposed particle swarm optimization for inferring gene regulatory networks based on fuzzy cognitive maps. Journal of Bioinformatics and Computational Biology, 2019, 17, 1950023.	0.3	1
1327	ENERGY ENTERPRISE RISKS ANALYSIS USING FUZZY LOGIC METHODS. International Journal of Energy Economics and Policy, 2019, 9, 366-372.	0.5	0



#	ARTICLE	IF	CITATIONS
1328	The road from fuzzy sets to definable causality and bipolar quantum intelligence – To the memory of Lotfi A. Zadeh. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 3019-3032.	0.8	10
1329	An Analysis on Barriers to Biomass and Bioenergy Development in Rural China Using Intuitionistic Fuzzy Cognitive Map. <i>Energies</i> , 2019, 12, 1598.	1.6	5
1330	A novel quantum inspired algorithm for sparse fuzzy cognitive maps learning. <i>Applied Intelligence</i> , 2019, 49, 3652-3667.	3.3	11
1331	Assessing the impact of processes on the Occupational Safety and Health Management System's effectiveness using the fuzzy cognitive maps approach. <i>Safety Science</i> , 2019, 117, 71-80.	2.6	35
1332	The need for simple educational case-studies to show the benefit of soft operations research to real-world problems. <i>International Journal of System of Systems Engineering</i> , 2019, 9, 75.	0.4	4
1333	Management of Control Impacts Based on Maximizing the Spread of Influence. <i>International Journal of Automation and Computing</i> , 2019, 16, 341-353.	4.5	6
1334	Exploring the interactions among factors impeding the diffusion of prefabricated building technologies. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 535-553.	1.8	48
1335	Comparison of Isotropic and Anisotropic Models for Solar Radiation on Sloped Surfaces Under Fuzzy Logic. <i>Lecture Notes in Management and Industrial Engineering</i> , 2019, , 19-31.	0.3	0
1336	Analysis of an evolutionary algorithm for complex fuzzy cognitive map learning based on graph theory metrics and output concepts. <i>BioSystems</i> , 2019, 179, 39-47.	0.9	20
1337	Exploring the determinants of digital entrepreneurship using fuzzy cognitive maps. <i>International Entrepreneurship and Management Journal</i> , 2019, 15, 1077-1101.	2.9	45
1338	Short-term cognitive networks, flexible reasoning and nonsynaptic learning. <i>Neural Networks</i> , 2019, 115, 72-81.	3.3	15
1339	Analysing determinants of small and medium-sized enterprise resilience using fuzzy cognitive mapping. <i>Journal of Multi-Criteria Decision Analysis</i> , 2019, 26, 252-264.	1.0	20
1340	A new method (K-method) of calculating the mutual influence of nodes in directed weight complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120899.	1.2	1
1342	Toward a sustainable supply chain for social credit: learning by experience using single-valued neutrosophic sets and fuzzy cognitive maps. <i>Annals of Operations Research</i> , 0, , 1.	2.6	23
1344	Clustering method based on the elastic energy functional of directed signed weighted graphs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 392-407.	1.2	2
1345	Integrating TOPSIS with interval-valued intuitionistic fuzzy cognitive maps for effective group decision making. <i>Information Sciences</i> , 2019, 485, 394-412.	4.0	68
1346	Fuzzy Cognitive Maps for Evaluating Software Usability. <i>Studies in Fuzziness and Soft Computing</i> , 2019, , 141-155.	0.6	1
1347	Role of Fuzzy Cognitive Maps in Smart Education System. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
1348	Scenario analysis of smart, sustainable supply chain on the basis of a fuzzy cognitive map. Management Research Review, 2019, 43, 463-496.	1.5	21
1349	Knowledge discovery model based on the effective control theory for decision support systems. , 2019, , .		0
1350	FCM Based Parameter Analysis of Educational Models. , 2019, , .		0
1351	Exploring the effect of physical, human and technical factors on bucket wheel excavators' efficiency: a fuzzy cognitive map approach. International Journal of Mining and Mineral Engineering, 2019, 10, 189.	0.1	2
1352	Innovative Management Technologies of Decision Making in Modern Business Systems. , 2019, , 71-85.		1
1353	Study on factors affecting preschool education service quality. Kybernetes, 2019, 49, 1065-1081.	1.2	3
1354	Analysing causal relationships between delay factors in construction projects. International Journal of Managing Projects in Business, 2021, 14, 412-444.	1.3	13
1355	Interactive scenario analysis of banking credit risks in intuitive fuzzy space. Journal of Modelling in Management, 2019, 15, 257-275.	1.1	2
1356	A New Adaptive Fuzzy Cognitive Map-Based Forecasting Model for Time Series. , 2019, , .		3
1357	Evaluating the Effectiveness of Climate Change Adaptations in the World's Largest Mangrove Ecosystem. Sustainability, 2019, 11, 6655.	1.6	22
1358	Sensitivity Analysis of Policy Options for Urban Mental Health Using System Dynamics and Fuzzy Cognitive Maps. , 2019, , .		3
1359	Operational Framework for Managing Risk Interactions in Product Development Projects. , 2019, , .		1
1360	Control and Identification in Cognitive Maps with Suppressing Constrained External and Internal Disturbances in Impulse Processes. , 2019, , .		0
1361	Supplier Selection Problem in Fuzzy Environment Considering Risk Factors. , 2019, , .		2
1362	Using Models of Cognitive Maps for Wireless Sensor Network Monitoring. , 2019, , .		0
1363	Fuzzy cognitive maps and induced fuzzy cognitive maps approach to traffic flow. Journal of Physics: Conference Series, 2019, 1377, 012012.	0.3	1
1364	Cognition of complexity and trade-offs in a wildfire-prone social-ecological system. Environmental Research Letters, 2019, 14, 125017.	2.2	19
1365	Predicting Energy Theft under Uncertainty Conditions: A Fuzzy Cognitive Maps Approach: Energy Theft Prediction. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
1366	Fuzzy-Rough Cognitive Networks: Building Blocks and Their Contribution to Performance. , 2019, , .		0
1367	The Intersection of Agent Based Models and Fuzzy Cognitive Maps: A Review of an Emerging Hybrid Modeling Practice. , 2019, , .		10
1368	Analysis of the System Engineering Problems in the Automated Dispatch Control Systems for Oil and Gas Production Technological Processes. , 2019, , .		0
1369	Synaptic Learning of Long-Term Cognitive Networks with Inputs. , 2019, , .		1
1370	Open Innovation with Fuzzy Cognitive Mapping for Modeling the Barriers of University Technology Transfer: A Philippine Scenario. Journal of Open Innovation: Technology, Market, and Complexity, 2019, 5, 94.	2.6	17
1371	Evaluation of the Impact of Strategic Offers on the Financial and Strategic Health of the Companyâ€™A Soft System Dynamics Approach. Mathematics, 2019, 7, 208.	1.1	11
1372	Complex neural fuzzy system and its application on multi-class prediction â€™ A novel approach using complex fuzzy sets, IIM and multi-swarm learning. Applied Soft Computing Journal, 2019, 84, 105735.	4.1	16
1373	Previous Studies and Differences Between Lean Management and World Class Manufacturing. International Journal of Information Technology and Decision Making, 2019, 18, 1941-1966.	2.3	2
1374	Exploring an Ensemble of Methods that Combines Fuzzy Cognitive Maps and Neural Networks in Solving the Time Series Prediction Problem of Gas Consumption in Greece. Algorithms, 2019, 12, 235.	1.2	20
1375	Assessing (Social-Ecological) Systems Thinking by Evaluating Cognitive Maps. Sustainability, 2019, 11, 5753.	1.6	24
1377	Reprint of: Analysis of an evolutionary algorithm for complex fuzzy cognitive map learning based on graph theory metrics and output concepts. BioSystems, 2019, 186, 104068.	0.9	3
1378	Analysis of key performance indicators in a manufacturing plant via fuzzy cognitive maps. , 2019, , .		1
1379	Adjustable Autonomy for Human-UAVs Collaborative Searching Using Fuzzy Cognitive Maps. , 2019, , .		5
1380	Target Assignment for Anti-Ship Missile Groups based on Fuzzy Cognitive Maps. , 2019, , .		0
1381	A software tool for FCM aggregation employing credibility weights and learning OWA operators. , 2019, , .		2
1382	An integrated new threshold FCMs Markov chain based forecasting model for analyzing the power of stock trading trend. Financial Innovation, 2019, 5, .	3.6	5
1383	Fault Diagnosis of Railway Turnout Based on Fuzzy Cognitive Map. , 2019, , .		1
1384	Construction Industry Pursuit Intel Modeling Insights with FCM. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1385	Using Fuzzy Cognitive Maps in Analyzing and Studying International Economic and Political Stability. IFAC-PapersOnLine, 2019, 52, 23-28.	0.5	7
1386	FORA: An OWO based framework for finding outliers in web usage mining. Information Fusion, 2019, 48, 27-38.	11.7	6
1387	Diagnosis in SEMs Based on Cognitive Models. Studies in Systems, Decision and Control, 2019, , 275-284.	0.8	8
1388	Cognitive Architectures. Intelligent Systems, Control and Automation: Science and Engineering, 2019, , .	0.3	17
1389	EcoSim, an Enhanced Artificial Ecosystem: Addressing Deeper Behavioral, Ecological, and Evolutionary Questions. Intelligent Systems, Control and Automation: Science and Engineering, 2019, , 223-278.	0.3	4
1390	Fuzzy cognitive mapping to support multi-agent decisions in development of urban policymaking. Sustainable Cities and Society, 2019, 46, 101402.	5.1	34
1391	A Hybrid Fuzzy Cognitive Map/Support Vector Machine Approach for EEG-Based Emotion Classification Using Compressed Sensing. International Journal of Fuzzy Systems, 2019, 21, 263-273.	2.3	27
1392	Using Multilayer Fuzzy Cognitive Maps to diagnose Autism Spectrum Disorder. Applied Soft Computing Journal, 2019, 75, 58-71.	4.1	47
1393	Information systems model for targeting policies: A graph-theoretic analysis of expert knowledge. Expert Systems With Applications, 2019, 119, 400-414.	4.4	9
1394	Learning of fuzzy cognitive maps using a niching-based multi-modal multi-agent genetic algorithm. Applied Soft Computing Journal, 2019, 74, 356-367.	4.1	23
1395	Development of supply chain risk management approaches for construction projects: A grounded theory approach. Computers and Industrial Engineering, 2019, 128, 837-850.	3.4	57
1396	Fuzzy logic based approaches for gene regulatory network inference. Artificial Intelligence in Medicine, 2019, 97, 189-203.	3.8	26
1397	Iterative generation of insight from text collections through mutually reinforcing visualizations and fuzzy cognitive maps. Applied Soft Computing Journal, 2019, 76, 459-472.	4.1	17
1398	The AXIOM approach for probabilistic and causal modeling with expert elicited inputs. Technological Forecasting and Social Change, 2019, 138, 292-308.	6.2	4
1399	A semi-quantitative modelling application for assessing energy efficiency strategies. Applied Soft Computing Journal, 2019, 76, 140-155.	4.1	33
1400	How to promote a new and sustainable food consumption model: A fuzzy cognitive map study. Journal of Cleaner Production, 2019, 208, 563-574.	4.6	89
1401	Using Fuzzy Cognitive Maps to Arouse Learning Processes in Cities. Studies in Systems, Decision and Control, 2019, , 107-130.	0.8	4
1402	Learning Fuzzy Cognitive Maps with modified asexual reproduction optimisation algorithm. Knowledge-Based Systems, 2019, 163, 723-735.	4.0	77

#	ARTICLE	IF	CITATIONS
1403	Mapping the influences of resilience engineering on health, safety, and environment and ergonomics management system by using Z-number cognitive map. <i>Human Factors and Ergonomics in Manufacturing</i> , 2019, 29, 141-153.	1.4	20
1404	Structure Optimization and Learning of Fuzzy Cognitive Map with the Use of Evolutionary Algorithm and Graph Theory Metrics. <i>Studies in Computational Intelligence</i> , 2019, , 131-147.	0.7	0
1405	A review on methods and software for fuzzy cognitive maps. <i>Artificial Intelligence Review</i> , 2019, 52, 1707-1737.	9.7	147
1406	A hybrid FCM-AHP approach to predict impacts of offshore outsourcing location decisions on supply chain resilience. <i>Journal of Business Research</i> , 2019, 103, 495-507.	5.8	63
1407	Analyzing the dynamics behind ethical banking practices using fuzzy cognitive mapping. <i>Operational Research</i> , 2019, 19, 679-700.	1.3	35
1408	Uncertainty Propagation in Fuzzy Grey Cognitive Maps With Hebbian-Like Learning Algorithms. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 211-220.	6.2	42
1409	Designing a fuzzy cognitive map to evaluate drilling and blasting problems of the tunneling projects in Iran. <i>Engineering With Computers</i> , 2019, 35, 35-45.	3.5	18
1410	Reconstructing gene regulatory networks with a memetic-neural hybrid based on fuzzy cognitive maps. <i>Natural Computing</i> , 2019, 18, 301-312.	1.8	8
1411	A comprehensive study on APT attacks and countermeasures for future networks and communications: challenges and solutions. <i>Journal of Supercomputing</i> , 2019, 75, 4543-4574.	2.4	69
1412	Comprehensive fuzzy FMEA model: a case study of ERP implementation risks. <i>Operational Research</i> , 2020, 20, 795-826.	1.3	28
1413	Decision support models in climate policy. <i>European Journal of Operational Research</i> , 2020, 280, 1-24.	3.5	84
1414	Modelling the social dimension of sustainable development using fuzzy cognitive maps. <i>International Journal of Construction Management</i> , 2020, 20, 223-236.	2.2	21
1415	Nonsynaptic Error Backpropagation in Long-Term Cognitive Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 865-875.	7.2	14
1416	<i>Artificial Psychology</i> . , 2020, , .		6
1417	The role of the policy mix in the transition toward a circular forest bioeconomy. <i>Forest Policy and Economics</i> , 2020, 110, 101937.	1.5	48
1419	Pathways for the transition of the Polish power sector and associated risks. <i>Environmental Innovation and Societal Transitions</i> , 2020, 35, 271-291.	2.5	49
1420	An Integrated Fuzzy Cognitive Map Approach in Modelling Factors of Management Quality in Banking Performance. <i>Global Business Review</i> , 2020, 21, 763-779.	1.6	1
1421	A novel IFCM integrated distance based hierarchical intuitionistic decision making procedure for agile supplier selection. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 653-662.	0.8	6

#	ARTICLE	IF	CITATIONS
1422	Contested energy futures, conflicted rewards? Examining low-carbon transition risks and governance dynamics in China's built environment. <i>Energy Research and Social Science</i> , 2020, 59, 101306.	3.0	30
1423	A novel forecasting model for the long-term fluctuation of time series based on polar fuzzy information granules. <i>Information Sciences</i> , 2020, 512, 760-779.	4.0	23
1424	Multi-level cognitive concept learning method oriented to data sets with fuzziness: a perspective from features. <i>Soft Computing</i> , 2020, 24, 3753-3770.	2.1	15
1425	Controllability of $\alpha$ -Valued Fuzzy Cognitive Maps. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 1694-1707.	6.5	9
1426	Learning fuzzy cognitive maps with convergence using a multi-agent genetic algorithm. <i>Soft Computing</i> , 2020, 24, 4055-4066.	2.1	6
1427	An Improved Fuzzy Cognitive Mapping Method. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 115-122.	0.5	1
1429	Sustainable supply chain flexibility and its relationship to circular economy-target performance. <i>International Journal of Production Research</i> , 2020, 58, 5893-5910.	4.9	78
1430	Developing scenario-based technology roadmap in the big data era: an utilisation of fuzzy cognitive map and text mining techniques. <i>Technology Analysis and Strategic Management</i> , 2020, 32, 272-291.	2.0	18
1432	Effects of new shipping routes on the operational resilience of container lines: potential impacts of the Arctic Sea Route and the Kra Canal on the Europe-Far East seaborne trades. <i>Maritime Economics and Logistics</i> , 2020, 22, 308-325.	2.0	14
1433	Fuzzy cognitive maps approach for analysing the domino effect of factors affecting supply chain resilience: a fashion industry case study. <i>International Journal of Production Research</i> , 2020, 58, 6370-6398.	4.9	38
1434	Marine accident learning with fuzzy cognitive maps (MALFCMs) and Bayesian networks. <i>Safety in Extreme Environments</i> , 2020, 2, 69-78.	1.8	6
1435	Fast and Effective Learning for Fuzzy Cognitive Maps: A Method Based on Solving Constrained Convex Optimization Problems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2958-2971.	6.5	12
1436	A combined group decision making based IFCM and SERVQUAL approach for strategic analysis of airline service quality. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 859-872.	0.8	14
1437	Multidrug-resistant tuberculosis risk factors assessment with intuitionistic fuzzy cognitive maps. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 1083-1095.	0.8	5
1438	Analyzing the development of the third-generation biodiesel production from microalgae by a novel hybrid decision-making method: The case of Iran. <i>Energy</i> , 2020, 195, 116895.	4.5	29
1439	Risk-based performance evaluation of improvement strategies for sustainable e-waste management. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104664.	5.3	21
1440	A Novel Fuzzy Inference Approach: Neuro-fuzzy Cognitive Map. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 859-872.	2.3	15
1441	Strategizing SCM-M Interface Using DeLone and McLean Model of IS Success and Fuzzy Cognitive Maps. <i>Journal of Electronic Commerce in Organizations</i> , 2020, 18, 59-88.	0.6	3

#	ARTICLE	IF	CITATIONS
1442	Modeling of Complex System Phenomena via Computing With Words in Fuzzy Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2020, 28, 3122-3132.	6.5	3
1443	Fuzzy cognitive maps (FCMs) for the analysis of team communication. Applied Ergonomics, 2020, 83, 102979.	1.7	9
1444	Evolutionary multitasking fuzzy cognitive map learning. Knowledge-Based Systems, 2020, 192, 105294.	4.0	27
1445	XAI-Based Fuzzy SWOT Maps for Analysis of Complex Systems. , 2020, , .		4
1446	Fast k-Fuzzy-Rough Cognitive Networks. , 2020, , .		2
1447	From Undirected Structures to Directed Graphical Lasso Fuzzy Cognitive Maps using Ranking-based Approaches. , 2020, , .		5
1448	Further Developments on Application of Dynamic Fuzzy Cognitive Map Concept for Digital Business Models. International Journal of Fuzzy Systems, 2020, 22, 2680-2689.	2.3	1
1449	A Medical Decision Support System to Assess Risk Factors for Gastric Cancer Based on Fuzzy Cognitive Map. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-13.	0.7	6
1450	Analysis and decision based on specialist self-assessment for prognosis factors of acute leukemia integrating data-driven Bayesian network and fuzzy cognitive map. Medical and Biological Engineering and Computing, 2020, 58, 2845-2861.	1.6	4
1451	A Fuzzy Cognitive Mapping Approach to the Conference Selection Problem. International Journal of Information Technology and Decision Making, 2020, 19, 1451-1484.	2.3	2
1452	Robust empirical wavelet fuzzy cognitive map for time series forecasting. Engineering Applications of Artificial Intelligence, 2020, 96, 103978.	4.3	27
1453	Study of football social responsibility in Iran with Fuzzy cognitive mapping approach. Sport in Society, 2022, 25, 982-999.	0.8	2
1454	Stream processing data decision model for higher environmental performance and resilience in sustainable logistics infrastructure. Journal of Enterprise Information Management, 2021, 34, 140-167.	4.4	8
1455	An intelligent stock trading decision support system based on rough cognitive reasoning. Expert Systems With Applications, 2020, 160, 113763.	4.4	9
1456	Deep Fuzzy Cognitive Maps for Interpretable Multivariate Time Series Prediction. IEEE Transactions on Fuzzy Systems, 2021, 29, 2647-2660.	6.5	24
1457	A System Model of Post-Migration Risk Factors Affecting the Mental Health of Unaccompanied Minor Refugees in Austriaâ€”A Multi-Step Modeling Process Involving Expert Knowledge from Science and Practice. International Journal of Environmental Research and Public Health, 2020, 17, 5058.	1.2	6
1458	Marine accident learning with fuzzy cognitive maps (MALFCMs). MethodsX, 2020, 7, 100940.	0.7	3
1459	Mapping long-term coral reef ecosystems regime shifts: A small island developing state case study. Science of the Total Environment, 2020, 716, 137024.	3.9	17

#	ARTICLE	IF	CITATIONS
1460	Extending Fuzzy Cognitive Maps with Tensor-Based Distance Metrics. Mathematics, 2020, 8, 1898.	1.1	2
1461	Fuzzy expert system for the impact of emotional eating in people with T2DM. AIP Conference Proceedings, 2020, , .	0.3	0
1462	How humans learn and represent networks. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29407-29415.	3.3	49
1463	Analysis of a new business model to fundraise non-governmental organizations using fuzzy cognitive maps. Journal of Intelligent and Fuzzy Systems, 2020, 39, 6231-6243.	0.8	0
1464	Marine accident learning with Fuzzy Cognitive Maps: a method to model and weight human-related contributing factors into maritime accidents. Ships and Offshore Structures, 2022, 17, 555-563.	0.9	5
1465	Fuzzy Cognitive Maps Optimization for Decision Making and Prediction. Mathematics, 2020, 8, 2059.	1.1	19
1466	Ranking method for uncertain problems using TpFCMs model. AIP Conference Proceedings, 2020, , .	0.3	0
1467	Asynchronous Fuzzy Cognitive Networks Modeling and Control for Goethite Iron Precipitation Process. Journal of Systems Science and Complexity, 2020, 33, 1422-1445.	1.6	1
1468	Diffuse cognitive maps for analysis of vulnerability to climate variability in Andean rural micro-watersheds. DYNA (Colombia), 2020, 87, 38-46.	0.2	3
1469	A Review of Methods for Processing Unstructured Data in the Assessment of Mining Personnel. E3S Web of Conferences, 2020, 174, 04040.	0.2	3
1470	Adaptive level of autonomy for human-UAVs collaborative surveillance using situated fuzzy cognitive maps. Chinese Journal of Aeronautics, 2020, 33, 2835-2850.	2.8	25
1471	On the Use of Soft Computing Methods in Educational Data Mining and Learning Analytics Research: a Review of Years 2010â€”2018. International Journal of Artificial Intelligence in Education, 2020, 30, 371-430.	3.9	35
1472	Making Predictions of Global Warming Impacts Using a Semantic Web Tool that Simulates Fuzzy Cognitive Maps. Computational Economics, 2021, 58, 715-745.	1.5	7
1473	Feedback generation using Fuzzy Cognitive Maps to reduce dropout in situation-aware e-Learning systems. , 2020, , .		8
1474	Towards the development of future trend scenarios through dynamic analysis : A proposal of integration of Artificial Intelligence, Data Sciences and the field of Futures Studies to adapt to new environments. , 2020, , .		2
1475	Solar Energy Forecasting With Fuzzy Time Series Using High-Order Fuzzy Cognitive Maps. , 2020, , .		4
1476	Credit Card Fraud Prevention Planning using Fuzzy Cognitive Maps and Simulation. , 2020, , .		1
1477	An Integrated GIS-BBN Approach to Quantify Resilience of Roadways Network Infrastructure System against Flood Hazard. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, .	1.1	15



#	ARTICLE	IF	CITATIONS
1478	A fuzzy cognitive map based on Nash bargaining game for supplier selection problem: a case study on auto parts industry. <i>Operational Research</i> , 2022, 22, 2133-2171.	1.3	5
1479	Enhance the Uncertainty Modeling Ability of Fuzzy Grey Cognitive Maps by General Grey Number. <i>IEEE Access</i> , 2020, 8, 163844-163856.	2.6	4
1480	An Application of Fuzzy C-Means, Fuzzy Cognitive Maps, and Fuzzy Rules to Forecasting First Arrival Date of Avian Spring Migrants. , 2020, , .		2
1481	Exploring Brazilian Photovoltaic Solar Energy development scenarios using the Fuzzy Cognitive Map Wizard Tool. , 2020, , .		4
1482	A Situation-aware Learning System based on Fuzzy Cognitive Maps to increase Learner Motivation and Engagement. , 2020, , .		9
1483	A cognitive map integrated intuitionistic fuzzy decision-making procedure for provider selection in project management. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 6645-6655.	0.8	6
1484	Convergence of Generalized Probability Mixtures That Describe Adaptive Fuzzy Rule-based Systems. , 2020, , .		3
1485	Conceptualising, extracting and analysing requirements arguments in users' forums: The CrowdREâ€ƒArg framework. <i>Journal of Software: Evolution and Process</i> , 2020, 32, e2309.	1.2	9
1486	Financial market sustainable development of Kazakhstan: scenario approach based on fuzzy cognitive maps. <i>Journal of Sustainable Finance and Investment</i> , 2020, , 1-22.	4.1	0
1487	A Virtual Reality Memory Palace Variant Aids Knowledge Retrieval from Scholarly Articles. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2021, 27, 4359-4373.	2.9	11
1488	Secure Data Exchange in the Industrial Internet of Things Network of the Fuel and Energy Complex. , 2020, , .		0
1489	Algebraic dynamics of k-valued fuzzy cognitive maps and its stabilization. <i>Knowledge-Based Systems</i> , 2020, 209, 106424.	4.0	8
1490	Dealing with complexity: How to use a hybrid approach to incorporate complexity in health behavior interventions. <i>Intelligence-based Medicine</i> , 2020, 3-4, 100008.	1.4	11
1491	Multi-Criteria Decision Making using Fuzzy Cognitive Maps â€œ Preliminary Results. <i>Procedia Manufacturing</i> , 2020, 51, 1305-1310.	1.9	4
1492	Analyzing ethical practices in the public healthcare sector using fuzzy cognitive mapping. <i>Journal of Multi-Criteria Decision Analysis</i> , 2022, 29, 67-79.	1.0	7
1493	Measuring drivers incapability through euclidean distance intuitionistic fuzzy value with Topsis ranking method. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
1494	Multidimensional medical data modeling based on fuzzy cognitive maps and k-means clustering. <i>Procedia Computer Science</i> , 2020, 176, 118-127.	1.2	0
1495	A Method for Enhancing Capacity of Local Governance for Climate Change Adaptation. <i>Earth's Future</i> , 2020, 8, e2020EF001506.	2.4	11

#	ARTICLE	IF	CITATIONS
1496	A Novel Centrality for Finding Key Persons in a Social Network by the Bi-Directional Influence Map. Symmetry, 2020, 12, 1747.	1.1	0
1497	A Combined method to model policy interventions for local communities based on people knowledge. MethodsX, 2020, 7, 100877.	0.7	9
1498	Non - invasive modelling methodology for the diagnosis of coronary artery disease using fuzzy cognitive maps. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 879-887.	0.9	18
1499	Examining the sustainability and development challenge in agricultural-forest frontiers of the Amazon Basin through the eyes of locals. Natural Hazards and Earth System Sciences, 2020, 20, 797-813.	1.5	6
1500	Influence control method on directed weighted signed graphs with deterministic causality. Annals of Operations Research, 2022, 311, 1281-1305.	2.6	6
1501	Effective Brain Connectivity for fNIRS With Fuzzy Cognitive Maps in Neuroergonomics. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 50-63.	2.6	16
1502	The Complex Pathway towards Farm-Level Sustainable Intensification: An Exploratory Network Analysis of Stakeholders' Knowledge and Perception. Sustainability, 2020, 12, 2578.	1.6	7
1503	Intuitionistic fuzzy grey cognitive maps for forecasting interval-valued time series. Neurocomputing, 2020, 400, 173-185.	3.5	26
1504	Integrating Problem Structuring Methods And Concept-Knowledge Theory For An Advanced Policy Design: Lessons From A Case Study In Cyprus. Journal of Comparative Policy Analysis: Research and Practice, 2020, 22, 626-647.	1.8	5
1505	Decision making for risk management: A multi-criteria perspective. Methods in Chemical Process Safety, 2020, 4, 239-287.	0.5	18
1506	Using a system thinking approach to assess the contribution of nature based solutions to sustainable development goals. Science of the Total Environment, 2020, 738, 139693.	3.9	89
1507	Mind the map? Mapping the academic, citizen and professional stakeholder views on buildings and heating behaviour in Spain. Energy Research and Social Science, 2020, 69, 101587.	3.0	11
1508	Banking Digitalization: (Re)Thinking Strategies and Trends Using Problem Structuring Methods. IEEE Transactions on Engineering Management, 2022, 69, 1517-1531.	2.4	19
1509	A robust time series prediction method based on empirical mode decomposition and high-order fuzzy cognitive maps. Knowledge-Based Systems, 2020, 203, 106105.	4.0	33
1510	Effects of historical land-use change in the Mediterranean environment. Science of the Total Environment, 2020, 732, 139315.	3.9	20
1511	Participatory modelling for poverty alleviation using fuzzy cognitive maps and OWA learning aggregation. PLoS ONE, 2020, 15, e0233984.	1.1	7
1512	Institutional Management Elaboration through Cognitive Modeling of the Balanced Sustainable Development of Regional Innovation Systems. Journal of Open Innovation: Technology, Market, and Complexity, 2020, 6, 32.	2.6	16
1513	Web celebrity shop assessment and improvement based on online review with probabilistic linguistic term sets by using sentiment analysis and fuzzy cognitive map. Fuzzy Optimization and Decision Making, 2020, 19, 561-586.	3.4	26

#	ARTICLE	IF	CITATIONS
1514	Identification of Variables That Cause Agricultural Graduates Not to Return to the Rural Sector in Ecuador. Application of Fuzzy Cognitive Maps. Sustainability, 2020, 12, 4270.	1.6	2
1515	Parameters of the strategy for managing the economic growth of agricultural production in Russia. Agricultural Economics (Czech Republic), 2020, 66, 140-148.	0.4	3
1516	Circular bio-economy via energy transition supported by Fuzzy Cognitive Map modeling towards sustainable low-carbon environment. Science of the Total Environment, 2020, 721, 137754.	3.9	65
1517	Assessment of influence productivity in cognitive models. Artificial Intelligence Review, 2020, 53, 5383-5409.	9.7	9
1518	Haze pollution causality mining and prediction based on multi-dimensional time series with PS-FCM. Information Sciences, 2020, 523, 307-317.	4.0	13
1519	A Preference-Based Evolutionary Biobjective Approach for Learning Large-Scale Fuzzy Cognitive Maps: An Application to Gene Regulatory Network Reconstruction. IEEE Transactions on Fuzzy Systems, 2020, 28, 1035-1049.	6.5	9
1520	Fuzzy Cognitive Mapping Analysis to Recommend Machine Learning-Based Effort Estimation Technique for Web Applications. International Journal of Fuzzy Systems, 2020, 22, 1212-1223.	2.3	10
1521	A multi-stage learning-based fuzzy cognitive maps for tobacco use. Neural Computing and Applications, 2020, 32, 15101-15118.	3.2	3
1522	Improved DEMATEL methodology for effective safety management decision-making. Safety Science, 2020, 127, 104705.	2.6	208
1523	A simulation study shows impacts of genetic diversity on establishment success of digital invaders in heterogeneous environments. Ecological Modelling, 2020, 431, 109173.	1.2	4
1524	Foundation Coursesâ€™ Soft Skills Evaluation using Fuzzy Cognitive Maps. , 2020, , .		0
1525	Effects of Uncertainty Shocks on Household Consumption and Working Hours: A Fuzzy Cognitive Map-Based Approach. Mathematics, 2020, 8, 889.	1.1	3
1526	Pseudoinverse learning of Fuzzy Cognitive Maps for multivariate time series forecasting. Applied Soft Computing Journal, 2020, 95, 106461.	4.1	19
1527	Scenario based examination of institutional leaning using fuzzy cognitive maps. Computers and Industrial Engineering, 2020, 147, 106642.	3.4	2
1528	Computational Modeling of Prefrontal Cortex for Meta-Cognition of a Humanoid Robot. IEEE Access, 2020, 8, 98491-98507.	2.6	4
1529	Analysis of interaction among the factors affecting delay in construction projects using interpretive structural modelling approach. International Journal of Construction Management, 2022, 22, 1455-1463.	2.2	17
1530	Implementation of a Coastal Management Model at Kinvara Bay in the North Atlantic Ocean. Journal of Marine Science and Engineering, 2020, 8, 71.	1.2	4
1531	Fuzzy Cognitive Map-Based Sustainable Socio-Economic Development Planning for Rural Communities. Sustainability, 2020, 12, 305.	1.6	43

#	ARTICLE	IF	CITATIONS
1532	An Extended Intuitionistic Fuzzy Cognitive Map via Dempster-Shafer Theory. IEEE Access, 2020, 8, 23186-23196.	2.6	3
1533	Decision making with a sequential modeling of pairwise comparison process. Knowledge-Based Systems, 2020, 195, 105642.	4.0	14
1534	Integrating fuzzy cognitive maps and multi-agent systems for sustainable agriculture. Euro-Mediterranean Journal for Environmental Integration, 2020, 5, 1.	0.6	13
1535	Enhancing nature-based solutions acceptance through stakeholders' engagement in co-benefits identification and trade-offs analysis. Science of the Total Environment, 2020, 713, 136552.	3.9	97
1536	Wisdom of stakeholder crowds in complex social-ecological systems. Nature Sustainability, 2020, 3, 191-199.	11.5	70
1537	An influenza epidemic model with dynamic social networks of agents with individual behaviour. Ecological Complexity, 2020, 41, 100810.	1.4	10
1538	Time Series Prediction Using Sparse Autoencoder and High-Order Fuzzy Cognitive Maps. IEEE Transactions on Fuzzy Systems, 2020, 28, 3110-3121.	6.5	31
1539	Evaluating poverty alleviation strategies in a developing country. PLoS ONE, 2020, 15, e0227176.	1.1	62
1540	A system dynamics-based approach to determinants of family business growth. Annals of Operations Research, 2022, 311, 799-819.	2.6	15
1541	Modeling influence of change readiness on knowledge acquisition process: A case study. Cognitive Systems Research, 2020, 61, 14-31.	1.9	3
1542	Intuitionistic fuzzy cognitive map approach for the evaluation of supply chain configuration criteria. Mathematical Methods in the Applied Sciences, 2020, 43, 7788-7801.	1.2	10
1543	A fuzzy cognitive mapping-system dynamics approach to energy-change impacts on the sustainability of small and medium-sized enterprises. Journal of Cleaner Production, 2020, 256, 120154.	4.6	30
1544	Deterministic learning of hybrid Fuzzy Cognitive Maps and network reduction approaches. Neural Networks, 2020, 124, 258-268.	3.3	19
1545	Analyzing determinants of environmental conduct in small and medium-sized enterprises: A sociotechnical approach. Journal of Cleaner Production, 2020, 256, 120380.	4.6	20
1546	Fuzzy Cognitive Map Clustering to Assess Local Knowledge of Ecosystem Conservation in Ecuador. Sustainability, 2020, 12, 2550.	1.6	4
1547	Decision-Making Process for Photovoltaic Solar Energy Sector Development using Fuzzy Cognitive Map Technique. Energies, 2020, 13, 1427.	1.6	17
1548	A System of Systems of Mental Health in Cities, Digging Deep into the Origins of Complexity. Administration and Policy in Mental Health and Mental Health Services Research, 2020, 47, 961-971.	1.2	5
1549	Evaluating strategies for environmental sustainability in a supply chain of an emerging economy. Journal of Cleaner Production, 2020, 262, 121389.	4.6	28

#	ARTICLE	IF	CITATIONS
1550	Causal effect analysis of logistics processes risks in manufacturing industries using sequential multi-stage fuzzy cognitive map: a case study. <i>International Journal of Computer Integrated Manufacturing</i> , 2020, 33, 1055-1075.	2.9	18
1551	Climate change perception: Driving forces and their interactions. <i>Environmental Science and Policy</i> , 2020, 108, 112-120.	2.4	44
1552	Generalised fuzzy cognitive maps: Considering the time dynamics between a cause and an effect. <i>Applied Soft Computing Journal</i> , 2020, 92, 106309.	4.1	12
1553	On a system's environment relationship in scientific inquiry: A response to "Definition of System" by A. D. Hall and R. E. Fagen. <i>Systems Research and Behavioral Science</i> , 2021, 38, 517-526.	0.9	3
1554	Intelligent fuzzy rule-based approach with outlier detection for secured routing in WSN. <i>Soft Computing</i> , 2020, 24, 16483-16497.	2.1	46
1555	Multiple perspectives of resilience: A holistic approach to resilience assessment using cognitive maps in practitioner engagement. <i>Water Research</i> , 2020, 178, 115780.	5.3	19
1556	Fuzzy cognitive maps for decision-making in dynamic environments. <i>Genetic Programming and Evolvable Machines</i> , 2021, 22, 101-135.	1.5	5
1557	Multivariate Time Series Forecasting Based on Elastic Net and High-Order Fuzzy Cognitive Maps: A Case Study on Human Action Prediction Through EEG Signals. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 2336-2348.	6.5	19
1558	Strategizing sustainability in the banking industry using fuzzy cognitive maps and system dynamics. <i>International Journal of Sustainable Development and World Ecology</i> , 2021, 28, 93-108.	3.2	18
1559	Reasoning with words: A hedge algebra linguistic cognitive map approach. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e5711.	1.4	3
1560	Unveiling the Dynamic Behavior of Fuzzy Cognitive Maps. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1252-1261.	6.5	9
1561	Construction and Supervised Learning of Long-Term Grey Cognitive Networks. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 686-695.	6.2	12
1562	Assessing the operational and economic efficiency benefits of dynamic manufacturing networks through fuzzy cognitive maps: a case study. <i>Operational Research</i> , 2021, 21, 925-950.	1.3	3
1563	A fuzzy cognitive map approach to predict the hazardous effects of malathion to environment (air). <i>Tj ETQq1 1 0.784314 rgBT/Overlo</i>	4.2	25
1564	Risk assessment in discrete production processes considering uncertainty and reliability: Z-number multi-stage fuzzy cognitive map with fuzzy learning algorithm. <i>Artificial Intelligence Review</i> , 2021, 54, 1349-1383.	9.7	36
1565	Prioritization of Influence Factors for Selecting "Learning Systems. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 550-556.	0.5	7
1566	Scoping review of the potentials of fuzzy cognitive maps as a modeling approach for integrated environmental assessment and management. <i>Environmental Modelling and Software</i> , 2021, 135, 104891.	1.9	17
1567	Green blasting policy: Simultaneous forecast of vertical and horizontal distribution of dust emissions using artificial causality-weighted neural network. <i>Journal of Cleaner Production</i> , 2021, 283, 124562.	4.6	34

#	ARTICLE	IF	CITATIONS
1568	A Fuzzy Cognitive Map method for integrated and participatory water governance and indicators affecting drinking water supplies. <i>Science of the Total Environment</i> , 2021, 750, 142193.	3.9	15
1569	A sociotechnical approach to causes of urban blight using fuzzy cognitive mapping and system dynamics. <i>Cities</i> , 2021, 108, 102963.	2.7	11
1570	Circular Business Ecosystem Innovation: A guide for mapping stakeholders, capturing values, and finding new opportunities. <i>Sustainable Production and Consumption</i> , 2021, 27, 436-448.	5.7	43
1571	Fuzzy cognitive maps in systems risk analysis: a comprehensive review. <i>Complex &amp; Intelligent Systems</i> , 2021, 7, 621-637.	4.0	37
1572	Factors Affecting Disaster Resilience in Oman: Integrating Stakeholder Analysis and Fuzzy Cognitive Mapping. <i>Risk, Hazards and Crisis in Public Policy</i> , 2021, 12, 29-50.	1.4	4
1573	A systemic analysis of green computing adoption using genetically evolved fuzzy cognitive map: a Philippine scenario. <i>Kybernetes</i> , 2021, 50, 2668-2696.	1.2	1
1574	Measuring variability and association for categorical data. <i>Fuzzy Sets and Systems</i> , 2021, 421, 29-43.	1.6	1
1575	Pattern classification with Evolving Long-term Cognitive Networks. <i>Information Sciences</i> , 2021, 548, 461-478.	4.0	6
1576	Qualitative and Quantitative Fisher Perceptions to Complement Natural Science Data for Managing Fisheries. <i>Fisheries</i> , 2021, 46, 209-219.	0.6	1
1577	An intelligent strategy map to evaluate improvement projects of auto industry using fuzzy cognitive map and fuzzy slack-based efficiency model. <i>Computers and Industrial Engineering</i> , 2021, 151, 106920.	3.4	12
1579	An Evolutionary Multiobjective Framework for Complex Network Reconstruction Using Community Structure. <i>IEEE Transactions on Evolutionary Computation</i> , 2021, 25, 247-261.	7.5	11
1580	The Learning of Fuzzy Cognitive Maps With Noisy Data: A Rapid and Robust Learning Method With Maximum Entropy. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2080-2092.	6.2	17
1581	A fuzzy cognitive mapping approach for the assessment of public-goods governance in agricultural landscapes. <i>Land Use Policy</i> , 2021, 107, 103972.	2.5	7
1582	Captive offshoring drivers in the manufacturing industry: criteria and sub-criteria that influence the location choice. <i>International Journal of Production Research</i> , 2021, 59, 76-94.	4.9	5
1583	Intuitionistic Fuzzy Cognitive Map Based Analysis of Supply Chain Risks. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 634-643.	0.5	1
1584	Cognitive Map Query Language for Temporal Domains. <i>Lecture Notes in Computer Science</i> , 2021, , 215-235.	1.0	0
1585	Volatility in Air Traffic Management—How Changes in Traffic Patterns Affect Efficiency in Service Provision. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 25-40.	0.3	0
1586	Fuzzy Cognitive Modeling in Coastal Geomorphology. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1587	Environmental Assessment Based on Health Information Using Artificial Intelligence. Computational Biology, 2021, , 341-367.	0.1	0
1588	FUZZY MODELING TOOLKIT IN STRATEGIC ENTERPRISE MANAGEMENT. State and Regions Series Economics and Business, 2021, , .	0.0	1
1589	COVID-19 Pandemic and Tourism: A Risk Management Analysis of Iran. International Journal of Management, Knowledge and Learning, 0, 10, 235-252.	0.5	0
1590	A Method of Search Space Adaptation in the False Pseudonyms Detection Procedure. Lecture Notes in Networks and Systems, 2021, , 110-120.	0.5	0
1591	P-graph Causality Maps. Process Integration and Optimization for Sustainability, 2021, 5, 319-334.	1.4	5
1592	Supply Chain Risk Management in Indian Manufacturing Industries: An Empirical Study and a Fuzzy Approach. Profiles in Operations Research, 2021, , 107-145.	0.3	3
1593	Predicting University Development Based on Hybrid Cognitive Maps in Combination with Dendritic Networks of Neurons. Advances in Intelligent Systems and Computing, 2021, , 138-151.	0.5	0
1594	Evolutionary Algorithms for Applications of Biological Networks: A Review. Lecture Notes in Computer Science, 2021, , 102-114.	1.0	1
1595	Fuzzy Cognitive Maps in Reliability Modeling. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2021, , 1-19.	0.5	2
1596	Lessons From the Trenches: Studentsâ€™ Perspectives of Their Own Marine Transdisciplinary Education. Frontiers in Marine Science, 2021, 7, .	1.2	8
1597	Public Participation with Fuzzy Cognitive Maps to Assess Safety Perception in Urban Regeneration. Lecture Notes in Computer Science, 2021, , 565-577.	1.0	1
1598	AI-Based Enabled Performances Measurements for MOOCs. Algorithms for Intelligent Systems, 2021, , 605-619.	0.5	0
1599	Ä°kili SÄ±zel GÄ±sterim TabanÄ± BiliÅŸsel HaritanÄ±n Tedarik Zinciri KonfigÄ¼rasyonunda KullanÄ±mÄ±. FÄ±rat Äœniversitesi MÄ¼hendislik Bilimleri Dergisi, 2021, 33, 233-241.	0.2	0
1600	Alpha-cut based fuzzy cognitive maps with applications in decision-making. Computers and Industrial Engineering, 2021, 152, 107007.	3.4	4
1601	Causal cognitive mapping in the entrepreneurial cognition field: A comparison of two alternative methods. Journal of Small Business Management, 2021, 59, 1012-1049.	2.8	3
1602	DIACS: A Blockchain-based Model for Systematic Data Integrity Assessment and Control. , 2021, , .		0
1603	Stakeholdersâ€™ views on sustaining honey bee health and beekeeping: the roles of ecological and social system drivers. Landscape Ecology, 2021, 36, 763-783.	1.9	13
1604	Evaluation of Sustainability Determinants of Small Farming Systems via Participatory Modeling and Fuzzy Multi-Criteria Processes: The Case Study of Heliciculture in Greece. Frontiers in Sustainability, 2021, 2, .	1.3	0

#	ARTICLE	IF	CITATIONS
1605	Impacts of public medical insurance reforms on households: An application of fuzzy cognitive map for scenario evaluation. <i>Soft Computing</i> , 2021, 25, 7947-7956.	2.1	3
1606	Redesign website of engineering faculty in university of Indonesia using fuzzy delphi method and fuzzy cognitive maps. <i>Journal of Physics: Conference Series</i> , 2021, 1780, 012039.	0.3	2
1607	Optimizing Microalgal Biomass Feedstock Selection for Nanocatalytic Conversion Into Biofuel Clean Energy, Using Fuzzy Multi-Criteria Decision Making Processes. <i>Frontiers in Energy Research</i> , 2021, 8, .	1.2	10
1608	Triangular Neutrosophic Cognitive Map for Multistage Sequential Decision-Making Problems. <i>International Journal of Fuzzy Systems</i> , 2021, 23, 657-679.	2.3	7
1609	The Modeling of Time Series Based on Least Square Fuzzy Cognitive Map. <i>Algorithms</i> , 2021, 14, 69.	1.2	6
1610	An integrated approach for modelling and quantifying housing infrastructure resilience against flood hazard. <i>Journal of Cleaner Production</i> , 2021, 288, 125526.	4.6	25
1611	A medical decision support system for predicting the severity level of COVID-19. <i>Complex &amp; Intelligent Systems</i> , 2021, 7, 2037-2051.	4.0	9
1612	Mental models for assessing coastal social-ecological systems following disasters. <i>Marine Policy</i> , 2021, 125, 104334.	1.5	8
1613	Ground-0 Axioms vs. First Principles and Second Law: From the Geometry of Light and Logic of Photon to Mind-Light-Matter Unity-Al&QI. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021, 8, 534-553.	8.5	12
1614	Modeling and understanding <scp>social&quot;ecological</scp> knowledge diversity. <i>Conservation Science and Practice</i> , 2021, 3, e396.	0.9	8
1615	Digital competency evaluation of low-cost airlines using an integrated IVIF AHP and IVIF VIKOR methodology. <i>Journal of Air Transport Management</i> , 2021, 91, 101998.	2.4	12
1616	Revisiting the Concept of Quietness in the Urban Environment&quot;Towards Ecosystems&quot; Health and Human Well-Being. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3151.	1.2	14
1617	Mapping Psychological Spaces: Psychotherapeutic Applications of System Dynamics in Fuzzy Cognitive Maps of Personal Constructs. <i>Revista De Psicoterapia</i> , 2021, 32, 237-252.	0.0	1
1618	An experience of the cognitive map-based classifier usage in astronaut's emotional state monitoring. <i>Acta Astronautica</i> , 2021, 181, 537-543.	1.7	5
1619	Socio-cognitive constraints and opportunities for sustainable intensification in South Asia: insights from fuzzy cognitive mapping in coastal Bangladesh. <i>Environment, Development and Sustainability</i> , 2021, 23, 16588-16616.	2.7	11
1620	Quantifying reputation risk using a fuzzy cognitive map: a case of a pharmaceutical supply chain. <i>Journal of Advances in Management Research</i> , 2022, 19, 78-105.	1.6	4
1621	Fuzzy Stochastic Timed Petri Nets for Causal Properties Representation. <i>New Mathematics and Natural Computation</i> , 0, , 1-21.	0.4	1
1622	Causes of short birth interval (kunika) in Bauchi State, Nigeria: systematizing local knowledge with fuzzy cognitive mapping. <i>Reproductive Health</i> , 2021, 18, 74.	1.2	12



#	ARTICLE	IF	CITATIONS
1623	Modeling discretionary lane-changing decisions using an improved fuzzy cognitive map with association rule mining. <i>Transportation Letters</i> , 2021, 13, 623-633.	1.8	11
1624	Unveiling the dynamics of social credit determinants using fuzzy cognitive mapping and system dynamics. <i>International Transactions in Operational Research</i> , 2023, 30, 2257-2276.	1.8	1
1625	An RVML extension for modeling fuzzy rule bases. , 0, , .		1
1626	Knowledge management visualisation in regional innovation system collaborative decision-making. <i>Management Decision</i> , 2022, 60, 1017-1038.	2.2	6
1627	An FCM-based Dynamic Modeling of Operability and Maintainability Barriers in Road Projects. <i>International Journal of Pavement Research and Technology</i> , 0, , 1.	1.3	3
1628	Algorithm for reasoning with words based on linguistic fuzzy cognitive map. <i>Concurrency Computation Practice and Experience</i> , 2023, 35, e6415.	1.4	2
1629	PARTICIPATORY MODELLING OF THE CAUSAL RELATIONSHIP BETWEEN SELF-BELIEFS AND PERSONALITY USING AGGREGATED FUZZYRELATIONAL MAPMODEL AND KOSKO-HAMMING DISTANCE. <i>Advances in Mathematics: Scientific Journal (discontinued)</i> , 2021, 10, 2409-2418.	0.2	0
1630	Palaeoenvironmental Reconstruction of a Lower Pleistocene Stratigraphic Section in Sousaki Basin, Greece, Using Fuzzy Cognitive Maps. <i>Mathematical Geosciences</i> , 0, , 1.	1.4	1
1631	Root Cause Analysis Based on Relations Among Sentiment Words. <i>Cognitive Computation</i> , 2021, 13, 903-918.	3.6	2
1632	Using Fuzzy Cognitive Maps to Assess Liveability in Slum Upgrading Schemes: Case of Pune, India. <i>Urban Science</i> , 2021, 5, 44.	1.1	0
1633	Modeling of the ship steady turning motion based on multiblocks of fuzzy cognitive maps. <i>Applied Ocean Research</i> , 2021, 110, 102604.	1.8	5
1634	Evaluation of the Fuzzy Cognitive Model of Professional Competences. , 2021, , .		1
1635	Dynamics of Fuzzy-Rough Cognitive Networks. <i>Symmetry</i> , 2021, 13, 881.	1.1	2
1636	Advanced fuzzy cognitive maps: state-space and rule-based methodology for coronary artery disease detection. <i>Biomedical Physics and Engineering Express</i> , 2021, 7, 045007.	0.6	13
1637	Modelling vicious networks with P-graph causality maps. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 173-184.	2.1	3
1638	Investigating the impact of site management on distress in refugee sites using Fuzzy Cognitive Maps. <i>International Journal of Disaster Risk Reduction</i> , 2021, 60, 102282.	1.8	11
1639	Managerial medical decisions and methods of obtaining medical information in conditions of uncertainty. , 2021, , .		0
1640	Toward Modeling Fuzzy Dynamic System Based on Linguistic Values. <i>Mobile Networks and Applications</i> , 2021, 26, 1339-1343.	2.2	1

#	ARTICLE	IF	CITATIONS
1641	Operator State Estimation to Enable Adaptive Assistance in Manned-Unmanned-Teaming. Cognitive Systems Research, 2021, 67, 73-83.	1.9	11
1642	Fuzzy logic applied to opinion mining: A review. Knowledge-Based Systems, 2021, 222, 107018.	4.0	58
1643	Mapping farmer perceptions, Conservation Agriculture practices and on-farm measurements: The role of systems thinking in the process of adoption. Agricultural Systems, 2021, 191, 103171.	3.2	12
1644	Fuzzy representational structures for trend based analysis of time series clustering and classification. Knowledge-Based Systems, 2021, 222, 106991.	4.0	0
1645	Eliciting Model Structures for Multivariate Probabilistic Risk Analysis. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	0.7	5
1646	Forecasting a post-COVID-19 economic crisis using fuzzy cognitive maps: a Spanish tourism-sector perspective. Current Issues in Tourism, 2022, 25, 2048-2062.	4.6	9
1647	Causal network maps of urban circular economies. Clean Technologies and Environmental Policy, 2022, 24, 261-272.	2.1	7
1648	Climate change in the context of whole-farming systems: opportunities for improved outreach. Climatic Change, 2021, 166, 1.	1.7	4
1649	Long-term prediction of time series using fuzzy cognitive maps. Engineering Applications of Artificial Intelligence, 2021, 102, 104274.	4.3	16
1650	A hybrid fuzzy modeling method to improve the strategic scenarios design. : Integrating Artificial Intelligence algorithms and the field of Futures Studies methods. , 2021, , .		1
1651	Latest theoretical approaches to uncertainty modelling in enterprise management: historical, conceptual and instrumental aspects. Strategy of Economic Development of Ukraine, 2021, , 96-113.	0.2	0
1652	Multi-Criteria Analysis of the Mass Tourism Management Model Related to the Impact on the Local Community in Constanta City (Romania). Inventions, 2021, 6, 46.	1.3	2
1653	Case Study for Quantifying Flood Resilience of Interdependent Buildingâ€“Roadway Infrastructure Systems. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, .	1.1	8
1654	Online Fuzzy Cognitive Map Learning. IEEE Transactions on Fuzzy Systems, 2021, 29, 1885-1898.	6.5	14
1655	Classification and feature transformation with Fuzzy Cognitive Maps. Applied Soft Computing Journal, 2021, 105, 107271.	4.1	22
1656	Fuzzy Cognitive Map vs Regression. Cybernetics and Systems Analysis, 2021, 57, 605-616.	0.4	4
1657	Ambiguity in social ecological system understanding: Advancing modelling of stakeholder perceptions of climate change adaptation in Kenya. Environmental Modelling and Software, 2021, 141, 105054.	1.9	6
1658	Nonsynaptic Backpropagation Learning of Interval-valued Long-term Cognitive Networks. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
1659	Time Series Modeling with Fuzzy Cognitive Maps based on Partitioning Strategies. , 2021, , .		2
1660	Harvesting Crowdsourcing Platformsâ€™ Traffic in Favour of Air Forwardersâ€™ Brand Name and Sustainability. Sustainability, 2021, 13, 8222.	1.6	24
1661	A novel integrated intuitionistic fuzzy decision aid for agile outsourcing provider selection: a COVID-19 pandemic-based scenario analysis. Soft Computing, 2021, 25, 13723-13740.	2.1	12
1662	Causal Investigation for Determining Critical Success Factors of Hydropower Plants by Considering Two-Dimensional Uncertain Linguistic Variables. , 2021, , .		0
1663	Fuzzy cognitive networks with functional weights for time series and pattern recognition applications. Applied Soft Computing Journal, 2021, 106, 107415.	4.1	9
1664	Trust-based Cognitive Decision Making by Social Things - A Case Study of Cancer Treatment. , 2021, , .		0
1665	Prediction of Key Parameters of Coal Gasification Process Based on Time Delay Mining Fuzzy Time Cognitive Maps. , 2021, , .		3
1666	Using fuzzy cognitive mapping and social capital to explain differences in sustainability perceptions between farmers in the northeast US and Denmark. Agriculture and Human Values, 2022, 39, 435-453.	1.7	7
1667	Forecasting potential yields under uncertainty using fuzzy cognitive maps. Agriculture and Food Security, 2021, 10, .	1.6	2
1668	Application of novel intuitionistic fuzzy BWAHP process for analysing the efficiency of water treatment plant. Neural Computing and Applications, 2021, 33, 17389-17405.	3.2	17
1669	A framework for designing cognitive trajectory controllers using genetically evolved interval type-2 fuzzy cognitive maps. International Journal of Intelligent Systems, 2022, 37, 305-335.	3.3	9
1670	Analysis of the sharing economy effect on sustainability in the transportation sector using fuzzy cognitive mapping. Journal of Cleaner Production, 2021, 311, 127331.	4.6	15
1671	Doing flood risk modelling differently: Evaluating the potential for participatory techniques to broaden flood risk management decision-making. Journal of Flood Risk Management, 2022, 15, e12757.	1.6	16
1672	Domination in Fuzzy Directed Graphs. Mathematics, 2021, 9, 2143.	1.1	5
1673	Modeling the spread of dangerous pandemics with the utilization of a hybrid-statistical-Advanced-Fuzzy-Cognitive-Map algorithm: the example of COVID-19. Research on Biomedical Engineering, 2021, 37, 749-764.	1.5	5
1674	Multi-Agent-Based Recommender Systems: A Literature Review. Lecture Notes in Networks and Systems, 2022, , 543-555.	0.5	2
1675	Participatory Evaluation of Water Management Options for Climate Change Adaptation in River Basins. Environments - MDPI, 2021, 8, 93.	1.5	2
1676	Energy System Monitoring Based on Fuzzy Cognitive Modeling and Dynamic Clustering. Energies, 2021, 14, 5848.	1.6	2

#	ARTICLE	IF	CITATIONS
1677	Learning large-scale fuzzy cognitive maps using an evolutionary many-task algorithm. <i>Applied Soft Computing Journal</i> , 2021, 108, 107441.	4.1	17
1678	Participatory complexity in tourism policy: Understanding sustainability programmes with participatory systems mapping. <i>Annals of Tourism Research</i> , 2021, 90, 103269.	3.7	14
1679	Conceptualizing and achieving industrial system transition for a dematerialized and decarbonized world. <i>Global Environmental Change</i> , 2021, 70, 102349.	3.6	14
1680	Big Data Contribution in Desktop and Mobile Devices Comparison, Regarding Airlines's Digital Brand Name Effect. <i>Big Data and Cognitive Computing</i> , 2021, 5, 48.	2.9	25
1681	Consent through the lens of semantics: State-of the art survey and best practices. <i>Semantic Web</i> , 2021, , 1-27.	1.1	14
1683	A Framework for Modeling Critical Success Factors in the Selection of Machine Learning Algorithms for Breast Cancer Recognition. <i>Lecture Notes in Networks and Systems</i> , 2022, , 874-881.	0.5	0
1684	An Adaptive Hybrid Model for Determining Subjective Causal Relationships in Fuzzy System Dynamics Models for Analyzing Construction Risks. <i>CivilEng</i> , 2021, 2, 747-764.	0.8	7
1685	Modelling stakeholder perceptions to assess Green Infrastructures potential in agriculture through fuzzy logic: A tool for participatory governance. <i>Environmental Development</i> , 2021, 40, 100671.	1.8	5
1686	A study of dynamic fuzzy cognitive map model with group consensus based on linguistic variables. <i>Technological Forecasting and Social Change</i> , 2021, 171, 120948.	6.2	10
1687	Modeling unaccounted-for gas among residential natural gas consumers using a comprehensive fuzzy cognitive map. <i>Utilities Policy</i> , 2021, 72, 101251.	2.1	4
1688	A network understanding of FinTech (in)capabilities in the global South. <i>Applied Geography</i> , 2021, 135, 102538.	1.7	7
1689	Study on the interactive relationship between urban residents' expenditure and energy consumption of production sectors. <i>Energy Policy</i> , 2021, 157, 112502.	4.2	6
1690	Using mental models to quantify linear and non-linear relationships in complex fishery systems. <i>Marine Policy</i> , 2021, 132, 104695.	1.5	4
1691	An integrated FCM-FBWM approach to assess and manage the readiness for blockchain incorporation in the supply chain. <i>Applied Soft Computing Journal</i> , 2021, 112, 107832.	4.1	13
1692	Re-evaluation of the healthcare service quality criteria for the Covid-19 pandemic: Z-number fuzzy cognitive map. <i>Applied Soft Computing Journal</i> , 2021, 112, 107775.	4.1	25
1693	Evaluation of the impact of blockchain technology on supply chain using cognitive maps. <i>Expert Systems With Applications</i> , 2021, 184, 115455.	4.4	18
1694	Examining wind energy deployment pathways in complex macro-economic and political settings using a fuzzy cognitive map-based method. <i>Energy</i> , 2022, 238, 121673.	4.5	17
1695	Fuzzy Cognitive Map-Based Knowledge Representation of Hazardous Industrial Operations. <i>Procedia Computer Science</i> , 2021, 180, 1042-1048.	1.2	3

#	ARTICLE	IF	CITATIONS
1696	Fuzzy Cognitive Maps and Spiritual Modeling of Management Systems: Issues and Challenges. Springer Proceedings in Business and Economics, 2021, , 65-83.	0.3	0
1697	Proactive Modeling in the Assessment of the Structural Functionality of the Subject of Critical Information Infrastructure. Communications in Computer and Information Science, 2021, , 436-448.	0.4	0
1698	The Dynamic Extensions of Fuzzy Grey Cognitive Maps. IEEE Access, 2021, 9, 98665-98678.	2.6	3
1699	Flood Resilience of Housing Infrastructure Modeling and Quantification Using a Bayesian Belief Network. Sustainability, 2021, 13, 1026.	1.6	13
1700	Sex and recombination purge the genome of deleterious alleles: An Individual Based Modeling Approach. Ecological Complexity, 2021, 45, 100910.	1.4	8
1701	The diversity bonus in pooling local knowledge about complex problems. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	43
1703	Strategizing SCM-M Interface Using DeLone and McLean Model of IS Success and Fuzzy Cognitive Maps. , 2021, , 180-211.		0
1704	Fuzzy logic-based hybrid knowledge systems for the detection and diagnosis of childhood autism. , 2021, , 55-69.		3
1705	Bullwhip effect reduction map for COVID-19 vaccine supply chain. Sustainable Operations and Computers, 2021, 2, 139-148.	6.3	26
1706	The Meta COVID-19 Pandemic Period: A Data Science Driven Wise Future Planet?. Communications in Computer and Information Science, 2021, , 3-15.	0.4	0
1707	Modeling spatial relationships within a fuzzy framework. Journal of the Association for Information Science and Technology, 1998, 49, 253-266.	1.2	17
1708	Building a Fuzzy Trust Network in Unsupervised Multi-agent Environments. Lecture Notes in Computer Science, 2005, , 816-825.	1.0	16
1709	Facilitating Organisational Learning Through Causal Mapping Techniques in IS/IT Project Risk Management. Lecture Notes in Computer Science, 2005, , 145-154.	1.0	2
1710	Introducing Interval Analysis in Fuzzy Cognitive Map Framework. Lecture Notes in Computer Science, 2006, , 571-575.	1.0	7
1711	Integration of Expert Knowledge and Image Analysis Techniques for Medical Diagnosis. Lecture Notes in Computer Science, 2006, , 110-121.	1.0	6
1712	Towards Usage Policies for Fuzzy Inference Methodologies for Trust and QoS Assessment. , 2006, , 263-274.		7
1713	Adaptive Random Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2002, , 402-410.	1.0	22
1714	Integrating Trustfulness and Decision Using Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2003, , 195-210.	1.0	16

#	ARTICLE	IF	CITATIONS
1715	A Fuzzy Cognitive Map Based on the Random Neural Model. Lecture Notes in Computer Science, 2001, , 333-338.	1.0	17
1716	Links between Executive Support and Worker Support: Software Agents for Network Management. IFIP Advances in Information and Communication Technology, 1998, , 227-246.	0.5	2
1718	Bioinformatics for Traumatic Brain Injury: Proteomic Data Mining. Springer Optimization and Its Applications, 2007, , 363-387.	0.6	5
1719	Fuzzy Petri Nets and Applications. , 1994, , 511-527.		18
1720	Fuzzy Cognitive Maps Reasoning with Words Based on Triangular Fuzzy Numbers. Lecture Notes in Computer Science, 2018, , 197-207.	1.0	10
1721	Modeling with Words Based on Hedge Algebra. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 211-217.	0.2	6
1722	Rebalancing Research on World Cities: Mauritius as a Gateway to Sub-Saharan Africa. Advances in African Economic, Social and Political Development, 2019, , 205-220.	0.1	2
1723	An Intuitionistic Fuzzy Cognitive Map Approach to Evaluate Success Factors of Lean Six Sigma Project Management Methodology. Advances in Intelligent Systems and Computing, 2020, , 1138-1143.	0.5	3
1724	How to Use Ambiguity in Problem Framing for Enabling Divergent Thinking: Integrating Problem Structuring Methods and Concept-Knowledge Theory. , 2020, , 93-117.		3
1725	Analysis a Short-Term Time Series of Crop Sales Based on Machine Learning Methods. Communications in Computer and Information Science, 2019, , 189-200.	0.4	4
1726	Impact and Applications of Fuzzy Cognitive Map Methodologies. Studies in Computational Intelligence, 2020, , 229-246.	0.7	6
1727	Making Use of Fuzzy Cognitive Maps in Agent-Based Modeling. Springer Proceedings in Complexity, 2020, , 307-313.	0.2	3
1728	An Analysis of Evolutionary Algorithms for Multiobjective Optimization ofÂStructure and Learning of Fuzzy Cognitive Maps Based onÂMultidimensional Medical Data. Lecture Notes in Computer Science, 2019, , 147-158.	1.0	2
1729	A Compromise-Based New Approach to Learning Fuzzy Cognitive Maps. Advances in Intelligent Systems and Computing, 2021, , 1172-1180.	0.5	2
1730	Augmented Reality to Increase Interaction and Participation: A Case Study of Undergraduate Students in Mathematics Class. Lecture Notes in Computer Science, 2020, , 185-204.	1.0	11
1732	The Web KnowARR Framework: Orchestrating Computational Intelligence with Graph Databases. Studies in Big Data, 2015, , 325-346.	0.8	7
1733	Hybrid Model Based on Rough Sets Theory and Fuzzy Cognitive Maps for Decision-Making. Lecture Notes in Computer Science, 2014, , 169-178.	1.0	7
1735	Nodes Selection Criteria for Fuzzy Cognitive Maps Designed to Model Time Series. Advances in Intelligent Systems and Computing, 2015, , 859-870.	0.5	20

#	ARTICLE	IF	CITATIONS
1736	Integrated Approach for Developing Timed Fuzzy Cognitive Maps. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 193-204.	0.5	3
1737	Expert-Based Method of Integrated Waste Management Systems for Developing Fuzzy Cognitive Map. <i>Studies in Fuzziness and Soft Computing</i> , 2015, , 111-137.	0.6	5
1741	Supporting Environmental Planning: Knowledge Management Through Fuzzy Cognitive Mapping. <i>Lecture Notes in Computer Science</i> , 2015, , 228-235.	1.0	4
1742	Fuzzy-Logic Cognitive Mapping: Introduction and Overview of the Method. , 2017, , 127-143.		3
1743	FCMs as a Common Base for Linking Participatory Products and Models. , 2017, , 145-169.		1
1744	Fuzzy Cognitive Mapping and Nonlinear Hebbian Learning for the Qualitative Simulation of the Climate System, from a Planetary Boundaries Perspective. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 295-312.	0.5	3
1746	Modeling and Forecasting of Well-Being Using Fuzzy Cognitive Maps. <i>Smart Innovation, Systems and Technologies</i> , 2016, , 241-250.	0.5	1
1747	On Modeling the Quality of Nutrition for Healthy Ageing Using Fuzzy Cognitive Maps. <i>Lecture Notes in Computer Science</i> , 2016, , 332-343.	1.0	5
1748	The Extended Hierarchical Linguistic Model in Fuzzy Cognitive Maps. <i>Communications in Computer and Information Science</i> , 2016, , 39-50.	0.4	1
1749	Learning Fuzzy Cognitive Maps Using Evolutionary Algorithm Based on System Performance Indicators. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 554-564.	0.5	3
1750	Enhanced Knowledge Management by Synchronizing Mind Maps and Fuzzy Cognitive Maps. <i>Fuzzy Management Methods</i> , 2017, , 15-23.	0.1	2
1751	Interval-Valued Intuitionistic Fuzzy Cognitive Maps for Supplier Selection. <i>Smart Innovation, Systems and Technologies</i> , 2018, , 207-217.	0.5	8
1753	Fuzzy Cognitive Maps Employing ARIMA Components for Time Series Forecasting. <i>Smart Innovation, Systems and Technologies</i> , 2018, , 255-264.	0.5	8
1754	Exploring the Resilience of Urban Systems Using Fuzzy Cognitive Maps. <i>Lecture Notes in Computer Science</i> , 2017, , 338-353.	1.0	6
1755	Temperature Forecasting for Energy Saving in Smart Buildings Based on Fuzzy Cognitive Map. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 93-103.	0.5	1
1756	Generating Drum Rhythms Through Data-Driven Conceptual Blending of Features and Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2018, , 145-160.	1.0	1
1757	Soft Data Analytics with Fuzzy Cognitive Maps: Modeling Health Technology Adoption by Elderly Women. <i>Smart Innovation, Systems and Technologies</i> , 2018, , 59-74.	0.5	6
1758	The Use of Fuzzy Cognitive Maps for Evaluating the Reuse Project of Military Barracks in Northern Italy. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 691-699.	0.5	3

#	ARTICLE	IF	CITATIONS
1759	A Query Language for Cognitive Maps. Lecture Notes in Computer Science, 2018, , 218-227.	1.0	1
1760	Fuzzy Causal Maps in Business Modeling and Performance-Driven Process Re-engineering. Lecture Notes in Computer Science, 2004, , 331-341.	1.0	8
1761	A Weight Adaptation Method for Fuzzy Cognitive Maps to a Process Control Problem. Lecture Notes in Computer Science, 2004, , 515-522.	1.0	17
1762	Fuzzy Cognitive Maps Learning through Swarm Intelligence. Lecture Notes in Computer Science, 2004, , 344-349.	1.0	16
1763	Designing and Implementing MABS in AKIRA. Lecture Notes in Computer Science, 2005, , 49-64.	1.0	3
1764	Cognitive Map of Conceptual Graphs: A Graphical Model to Help for Decision. Lecture Notes in Computer Science, 2003, , 337-350.	1.0	1
1765	Learning Fuzzy Cognitive Maps from the Web for the Stock Market Decision Support System. , 2007, , 106-111.		9
1766	A Manufacturing-Environmental Model Using Bayesian Belief Networks for Assembly Design Decision Support. , 2007, , 374-383.		6
1767	An Adaptive Trust Control Model for a Trustworthy Component Software Platform. Lecture Notes in Computer Science, 2007, , 226-238.	1.0	12
1768	The Transformation Between Fuzzy Cognitive Maps and a Class of Simplified Dynamical Cognitive Networks. , 2007, , 575-582.		2
1770	Fuzzy Cognitive Networks for Maximum Power Point Tracking in Photovoltaic Arrays. Studies in Fuzziness and Soft Computing, 2010, , 231-257.	0.6	7
1771	Fuzzy Cognitive Maps Applied to Computer Vision Tasks. Studies in Fuzziness and Soft Computing, 2010, , 259-289.	0.6	10
1772	Dynamic Fuzzy Cognitive Maps for the Supervision of Multiagent Systems. Studies in Fuzziness and Soft Computing, 2010, , 307-324.	0.6	6
1773	Soft Computing Technique of Fuzzy Cognitive Maps to Connect Yield Defining Parameters with Yield in Cotton Crop Production in Central Greece as a Basis for a Decision Support System for Precision Agriculture Application. Studies in Fuzziness and Soft Computing, 2010, , 325-362.	0.6	18
1774	Analysis of Farmersâ€™ Concepts of Environmental Management Measures: An Application of Cognitive Maps and Cluster Analysis in Pursuit of Modelling Agentsâ€™ Behaviour. Studies in Fuzziness and Soft Computing, 2010, , 363-381.	0.6	17
1775	Using Fuzzy Cognitive Maps to Support the Analysis of Stakeholdersâ€™ Views of Water Resource Use and Water Quality Policy. Studies in Fuzziness and Soft Computing, 2010, , 383-402.	0.6	16
1776	Fuzzy Cognitive Networks: Adaptive Network Estimation and Control Paradigms. Studies in Fuzziness and Soft Computing, 2010, , 89-134.	0.6	14
1777	Fuzzy Cognitive Maps in Banking Business Process Performance Measurement. Studies in Fuzziness and Soft Computing, 2010, , 161-200.	0.6	20



#	ARTICLE	IF	CITATIONS
1778	Fuzzy Cognitive Maps-Based IT Projects Risks Scenarios. Studies in Fuzziness and Soft Computing, 2010, , 201-215.	0.6	10
1779	Security via Trusted Communications. , 2010, , 719-746.		7
1782	Predictive Capabilities of Adaptive and Evolutionary Fuzzy Cognitive Maps - A Comparative Study. Studies in Computational Intelligence, 2009, , 153-174.	0.7	32
1783	Fuzzy Cognitive Maps for Human Reliability Analysis in Production Systems. Studies in Fuzziness and Soft Computing, 2010, , 381-415.	0.6	14
1784	K-Means Clustering as a Speciation Mechanism within an Individual-Based Evolving Predator-Prey Ecosystem Simulation. Lecture Notes in Computer Science, 2010, , 318-329.	1.0	14
1785	Fuzzy Cognitive Maps for Modeling Complex Systems. Lecture Notes in Computer Science, 2010, , 166-174.	1.0	10
1786	Research of Rough Cognitive Map Model. Communications in Computer and Information Science, 2011, , 224-229.	0.4	11
1788	Adaptive Navigation in a Web Educational System Using Fuzzy Techniques. Smart Innovation, Systems and Technologies, 2011, , 81-90.	0.5	2
1789	Intelligent Risk Identification and Analysis in IT Network Systems. International Federation for Information Processing, 2011, , 370-377.	0.4	3
1790	Retrieving Crisp and Imperfect Causal Sentences in Texts: From Single Causal Sentences to Mechanisms. Studies in Fuzziness and Soft Computing, 2012, , 175-194.	0.6	1
1791	Learning Belief Connections in a Model for Situation Awareness. Lecture Notes in Computer Science, 2011, , 373-384.	1.0	4
1793	Correlation between Genetic Diversity and Fitness in a Predator-Prey Ecosystem Simulation. Lecture Notes in Computer Science, 2011, , 422-431.	1.0	2
1794	A Novel Framework for Complex Networks and Chronic Diseases. Studies in Computational Intelligence, 2013, , 207-215.	0.7	8
1795	Bagged Nonlinear Hebbian Learning Algorithm for Fuzzy Cognitive Maps Working on Classification Tasks. Lecture Notes in Computer Science, 2012, , 157-164.	1.0	7
1796	Innovation in Tourist Management through Critical Success Factors: A Fuzzy Map. Studies in Fuzziness and Soft Computing, 2012, , 361-373.	0.6	4
1797	FIDELITY: Fuzzy Inferential Diagnostic Engine for on-Line support to physicians. IFMBE Proceedings, 2013, , 396-400.	0.2	11
1798	A Double Layer Dementia Diagnosis System Using Machine Learning Techniques. Communications in Computer and Information Science, 2012, , 402-412.	0.4	4
1799	Views and Synthesis of Cognitive Maps. Lecture Notes in Computer Science, 2012, , 119-124.	1.0	3

#	ARTICLE	IF	CITATIONS
1800	Online Reputation Analysis. , 2013, , 65-91.		3
1802	Artificial Intelligence Applications for Risk Analysis, Risk Prediction and Decision Making in Disaster Recovery Planning. International Federation for Information Processing, 2012, , 155-165.	0.4	2
1803	From Fuzzy Cognitive Maps to Granular Cognitive Maps. Lecture Notes in Computer Science, 2012, , 185-193.	1.0	3
1804	The Emergence of New Genes in EcoSim and Its Effect on Fitness. Lecture Notes in Computer Science, 2012, , 52-61.	1.0	5
1805	Fuzzy Cognitive Map Decision Support System for Successful Triage to Reduce Unnecessary Emergency Room Admissions for the Elderly. Studies in Fuzziness and Soft Computing, 2013, , 415-436.	0.6	12
1807	A Cloud Adoption Decision Support Model Based on Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2013, , 240-252.	1.0	2
1808	Methods and Algorithms for Fuzzy Cognitive Map-based Modeling. Intelligent Systems Reference Library, 2014, , 1-28.	1.0	41
1810	FCM-GUI: A Graphical User Interface for Big Bang-Big Crunch Learning of FCM. Intelligent Systems Reference Library, 2014, , 177-198.	1.0	10
1813	Fuzzy Cognitive Maps for Structural Damage Detection. Intelligent Systems Reference Library, 2014, , 267-290.	1.0	3
1814	Fuzzy Cognitive Maps as Representations of Mental Models and Group Beliefs. Intelligent Systems Reference Library, 2014, , 29-48.	1.0	100
1815	Fuzzy Web Knowledge Aggregation, Representation, and Reasoning for Online Privacy and Reputation Management. Intelligent Systems Reference Library, 2014, , 89-105.	1.0	9
1816	Extended Evolutionary Learning of Fuzzy Cognitive Maps for the Prediction of Multivariate Time-Series. Intelligent Systems Reference Library, 2014, , 121-131.	1.0	16
1818	Fuzzy Cognitive Maps with Rough Concepts. IFIP Advances in Information and Communication Technology, 2013, , 527-536.	0.5	3
1819	Self-tuning PI Controllers via Fuzzy Cognitive Maps. IFIP Advances in Information and Communication Technology, 2013, , 567-576.	0.5	9
1820	The Relevance of Fuzzy Cognitive Mapping Approaches for Assessing Adaptive Capacity and Resilience in Socialâ€œEcological Systems. IFIP Advances in Information and Communication Technology, 2013, , 587-596.	0.5	1
1823	Fuzzy Cognitive Maps as Decision Support Tools for Investigating Critical Agile Adoption Factors. Lecture Notes in Business Information Processing, 2013, , 180-193.	0.8	2
1824	Joining Conceptâ€™s Based Fuzzy Cognitive Map Model with Moving Window Technique for Time Series Modeling. Lecture Notes in Computer Science, 2014, , 397-408.	1.0	6
1825	Time Series Modeling with Fuzzy Cognitive Maps: Simplification Strategies. Lecture Notes in Computer Science, 2014, , 409-420.	1.0	20

#	ARTICLE	IF	CITATIONS
1826	Fuzzy Set Approaches to Model Uncertainty in Spatial Data and Geographic Information Systems. <i>Studies in Fuzziness and Soft Computing</i> , 1999, , 345-367.	0.6	3
1828	Development of LTSER Platforms in LTER-Europe: Challenges and Experiences in Implementing Place-Based Long-Term Socio-ecological Research in Selected Regions. , 2013, , 409-442.		15
1829	Design Analysis Based on Fuzzy Reasoning. , 1994, , 679-696.		2
1830	FUZZY ASSOCIATIVE MEMORY APPLICATION TO A PLANT MODELING. , 1991, , 1245-1248.		12
1831	What could be the future of hydrothermal processing wet biomass in Germany by 2030? A semi-quantitative system analysis. <i>Biomass and Bioenergy</i> , 2020, 138, 105588.	2.9	2
1832	Marine Accident Learning with Fuzzy Cognitive Maps (MALFCMs): A case study on bulk carrier's accident contributors. <i>Ocean Engineering</i> , 2020, 208, 107197.	1.9	14
1833	Rethinking urban sustainability using fuzzy cognitive mapping and system dynamics. <i>International Journal of Sustainable Development and World Ecology</i> , 2020, 27, 261-275.	3.2	33
1834	A fuzzy cognitive mapping model for service supply chains performance. <i>Measuring Business Excellence</i> , 2017, 21, 388-404.	1.4	14
1835	A new Mathematical Modell for COVID-19: A Fuzzy Cognitive Map Approach for Coronavirus Diseases. , 2020, , .		3
1836	Factors influencing maternal health in indigenous communities with presence of traditional midwifery in the Americas: protocol for a scoping review. <i>BMJ Open</i> , 2020, 10, e037922.	0.8	6
1837	Creating Metabolic Network Models using Text Mining and Expert Knowledge. , 2003, , 207-238.		9
1838	A Multi-relationship Fuzzy Cognitive Map Stability Method. <i>Journal of Information and Computational Science</i> , 2013, 10, 5373-5379.	0.1	3
1839	Speciation without Pre-Defined Fitness Functions. <i>PLoS ONE</i> , 2015, 10, e0137838.	1.1	15
1840	THE USE OF COMPUTATIONAL INTELLIGENCE IN DIGITAL WATERMARKING: REVIEW, CHALLENGES, AND NEW TRENDS. <i>Neural Network World</i> , 2011, 21, 277-298.	0.5	4
1841	An expanded conceptualization of "smart" cities: adding value with fuzzy cognitive maps. <i>E A M: Economie A Management</i> , 2018, 22, 4-21.	0.4	19
1842	Concepts Selection in Fuzzy Cognitive Map using Evolutionary Learning Algorithm based on Graph Theory Metrics. , 0, , .		2
1843	Numerical Prediction of Time Series Based on FCMs with Information Granules. <i>International Journal of Computers, Communications and Control</i> , 2014, 9, 313.	1.2	10
1844	Why Fuzzy Cognitive Maps Are Efficient. <i>International Journal of Computers, Communications and Control</i> , 2015, 10, 65.	1.2	7

#	ARTICLE	IF	CITATIONS
1845	Introduction of Modeling Complex Management Systems using Fuzzy Cognitive Map. , 2015, , .		1
1846	Fuzzy Mathematical Approach to Analyze the Problems Faced By Turmeric Cultivators at the Time of Marketing. Indian Journal of Science and Technology, 2014, 7, 1426-1427.	0.5	4
1847	Fuzzy Cognitive Map Reconstruction: Dynamics Versus History. Applied Mathematics and Information Sciences, 2016, 10, 93-105.	0.7	2
1848	Using New Triangular Fuzzy Cognitive Maps (TRFCM) to Analyze Causes of Divorce in Family. International Journal of Business Intelligents, 2014, 003, 4-9.	0.1	1
1849	Integrated Decision-Making System for Robot Soccer. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 156-163.	0.5	14
1850	Fuzzy Cognitive Maps and Bacterial Evolutionary Algorithm Approach to Integrated Waste Management Systems. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2014, 18, 538-548.	0.5	3
1851	Proposal of Episodic Memory Retrieval Method on Mood Congruence Effects. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2017, 21, 722-729.	0.5	3
1852	Transition and the Troubled Giant: Opportunities for Colleges and Universities to Invest in Veterans. Journal of Veterans Studies, 2016, 1, 1.	0.2	3
1853	Accident Identification Using Fuzzy Cognitive Maps with Adaptive Non-Linear Hebbian Learning Algorithm. SSRN Electronic Journal, 0, , .	0.4	4
1854	Reasoning with linguistic preferences using NPN logic. Computer Science and Information Systems, 2010, 7, 511-528.	0.7	4
1855	On the Convergence of Sigmoidal Fuzzy Grey Cognitive Maps. International Journal of Applied Mathematics and Computer Science, 2019, 29, 453-466.	1.5	7
1856	Fuzzy FMEA Application Combined with Fuzzy Cognitive Maps to Manage the Risks of a Software Project. European Journal of Engineering and Formal Sciences, 2018, 2, 6-21.	0.1	2
1857	Intelligence and Fuzzy Cognitive Maps: Scientific Issues, Challenges and Opportunities. Studies in Informatics and Control, 2018, 27, 247-264.	0.6	25
1858	Fuzzy FMEA Application Combined with Fuzzy Cognitive Maps to Manage the Risks of a Software Project. European Journal of Engineering and Formal Sciences, 2018, 2, 7.	0.1	2
1859	Using Fuzzy Cognitive Maps as a Modeling Tool for Traveler Satisfaction in Public Transit Systems. Atlantis Computational Intelligence Systems, 2012, , 385-404.	0.5	1
1860	A study on Fuzzy Cognitive Map structures for Medical Decision Support Systems. , 2013, , .		10
1861	Cognitive and Simulation Modeling of Socioeconomic Systems. , 2017, , .		4
1862	Vorgehen zur individuellen Gestaltung der Änderungsauswirkungsanalyse in der Produktion. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2018, 113, 819-823.	0.2	4



#	ARTICLE	IF	CITATIONS
1882	A Study on Miracles through Holy Bible using Neutrosophic Cognitive Maps (NCMS). International Journal of Computer Applications, 2013, 69, 22-27.	0.2	3
1883	Analyzing the Behavioral Changes of Road User through Euclidean Distance Intuitionistic Fuzzy Valued Associative Memories. International Journal of Computer Applications, 2015, 118, 23-27.	0.2	2
1884	Dimensions of Personality of Women in Chennai using CETD Matrix. International Journal of Computer Applications, 2012, 50, 10-17.	0.2	8
1885	A New Bidirectional Associative Neutrosophic Cognitive Dynamical System approaches to study Youth Violence. International Journal of Computer Applications, 2012, 53, 32-36.	0.2	3
1886	FUZZY AIDED APPLICATION LAYER SEMANTIC INTRUSION DETECTION SYSTEM - FASIDS. International Journal of Network Security and Its Applications, 2010, 2, 39-56.	0.4	4
1887	Development of the Indicative System for Assessing GDP Per Capita Using Cumulative Indices, Including Human Capital. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 1139-1152.	0.3	3
1889	Improving Projects Performance With Lean Construction: State Of The Art, Applicability And Impacts. Organization, Technology and Management in Construction, 2013, 5, 775-783.	0.5	11
1890	ROZMYTA MAPA KOGNITYWNA JAKO INTELIGENTNY SYSTEM REKOMENDACYJNY ZASOBŃ W STRONY INTERNETOWEJ. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Œrodowiska, 2017, 7, 74-78.	0.2	1
1891	Adaptation of Induced Fuzzy Cognitive Maps to the Problems Faced by the Power Loom Workers. International Journal of Intelligent Systems and Applications, 2012, 4, 75-80.	0.9	6
1892	Using fuzzy cognitive map and structural equation model for market-oriented hotel and performance. African Journal of Business Management, 2011, 5, .	0.4	1
1893	Application of Fuzzy Cognitive Maps to analysis of development scenarios for academic units. Automatyka/Automatics, 2013, 17, 229.	0.1	6
1894	Estimation of Maximum Age Group Affected by Stress Problems for the Teachers in Chennai by Using (RTDmatrix) (or) Fuzzy Matrix. International Journal of Applied Physics and Mathematics, 2012, , 224-226.	0.3	1
1895	A Review Paper on Knowledge Map Construction for Monitoring the Health of the Company. IOSR Journal of Computer Engineering, 2014, 16, 19-25.	0.1	1
1896	Network approaches for formalizing conceptual models in ecosystem-based management. ICES Journal of Marine Science, 2021, 78, 3674-3686.	1.2	9
1897	The technology of using fuzzy cognitive maps from a mathematical point of view. Keldysh Institute Preprints, 2021, , 1-22.	0.1	1
1898	A systems thinking approach to value-added services adoption in national research and education networks. , 2021, , .		0
1899	From Distance Learning to Integrated Digital Learning: A Fuzzy Cognitive Analysis Focused on Engagement, Motivation, and Participation During COVID-19 Pandemic. Technology, Knowledge and Learning, 2022, 27, 1259-1289.	3.1	17
1900	Combining grey clustering and fuzzy grey cognitive maps: an approach to group decision-making on cause-and-effect relationships. Soft Computing, 2021, 25, 15201-15220.	2.1	2

#	ARTICLE	IF	CITATIONS
1901	Spatially Explicit Fuzzy Cognitive Mapping for Participatory Modeling of Stormwater Management. Land, 2021, 10, 1114.	1.2	4
1902	The landscape of soft computing applications for terrorism analysis: A review. Applied Soft Computing Journal, 2021, 113, 107977.	4.1	3
1903	Knowledge transfer in project-based organisations: A dynamic granular cognitive maps approach. Knowledge Management Research and Practice, 2022, 20, 233-250.	2.7	5
1904	<i>Weight of Evidence</i>: Participatory Methods and Bayesian Updating to Contextualize Evidence Synthesis in Stakeholdersâ€™ Knowledge. Journal of Mixed Methods Research, 2022, 16, 281-306.	1.8	12
1906	An intelligent decentralized energy management strategy for the optimal electric vehicles' charging in low-voltage islanded microgrids. International Journal of Energy Research, 2022, 46, 2988-3016.	2.2	33
1909	Representational Issues for Risk Scenarios. , 2000, , 173-184.		0
1910	Virtual Agentsâ€™ Self-Perception in Story Telling. Lecture Notes in Computer Science, 2001, , 155-158.	1.0	3
1911	Automatic Implementation and Simulation of Qualitative Cognitive Maps. Lecture Notes in Computer Science, 2001, , 217-220.	1.0	1
1912	Optical Music Recognition: the Case of Granular Computing. Studies in Fuzziness and Soft Computing, 2001, , 341-366.	0.6	0
1913	A Multi-Agent Framework for Collaborative Reasoning. , 2002, , .		3
1914	Multi-agent Systems Reliability, Fuzziness, and Deterrence. Lecture Notes in Computer Science, 2004, , 41-56.	1.0	3
1915	A NEW METHOD FOR WEIGHT UPDATING IN FUZZY COGNITIVE MAPS USING SYSTEM FEEDBACK. , 2005, , .		2
1917	A Framework for Web Services Trust. International Federation for Information Processing, 2006, , 74-86.	0.4	4
1918	Conversational Agent Model in Intelligent User Interface. Lecture Notes in Computer Science, 2006, , 46-54.	1.0	1
1919	A Neural Network Model for Image Change Detection Based on Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2007, , 595-602.	1.0	2
1920	A Qualitative Model for Service Oriented Computing. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2007, 11, 1209-1215.	0.5	0
1921	Cognitive Approach to Control in Ill-Structured Situation and the Problem of Risks. , 0, , .		2
1922	Adaptive Estimation of Fuzzy Cognitive Networks and Applications. , 2009, , 329-363.		0

#	ARTICLE	IF	CITATIONS
1923	Fuzzy Modelling for Integrated Strategic Planning for Information Systems and Business Process Design. , 2009, , 59-77.		2
1924	Study on Armament System of System Based on Fuzzy Cognitive Map. Advances in Intelligent and Soft Computing, 2009, , 51-59.	0.2	0
1925	A Novel Approach on Designing Augmented Fuzzy Cognitive Maps Using Fuzzified Decision Trees. Communications in Computer and Information Science, 2009, , 266-275.	0.4	1
1926	Control of Mental Stability in Emotion-Logic Interactive Dynamics. Studies in Computational Intelligence, 2009, , 175-207.	0.7	1
1927	Bilinear Adaptive Parameter Estimation in Fuzzy Cognitive Networks. Lecture Notes in Computer Science, 2009, , 875-884.	1.0	3
1928	Multi-Criteria Models in Autonomous Decision Making Systems. , 2009, , .		4
1929	The FCN Framework: Development and Applications. , 2010, , 231-265.		0
1931	An Emotional Agent in Virtual Learning Environment. Lecture Notes in Computer Science, 2010, , 22-33.	1.0	2
1932	A Cognitive Map Network Model. Studies in Computational Intelligence, 2010, , 63-72.	0.7	0
1934	Emotion Generation System based on MaC Model with Neural Networks. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2010, 22, 25-38.	0.0	0
1935	Development of Project Success Model in Enterprise Using FCM. Journal of Korean Institute of Intelligent Systems, 2010, 20, 123-128.	0.0	0
1936	A note on Linguistic quantifiers modeled by Sugeno integral with respect to an interval-valued fuzzy measures. Journal of Korean Institute of Intelligent Systems, 2010, 20, 1-6.	0.0	0
1938	A solution to Control Suicides using Combined Overlap Block Fuzzy Cognitive Maps. International Journal of Computer Applications, 2010, 11, 1-4.	0.2	2
1939	Towards a Framework for Privacy Preserving Medical Data Mining Based on Standard Medical Classifications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 204-211.	0.2	1
1940	Chapter 6. Modelling Stakeholdersâ€™ Interplay and Policy Scenarios for Biorefinery Implementation. RSC Green Chemistry, 2011, , 280-310.	0.0	1
1942	An Observer Approach for Deterministic Learning Using Patchy Neural Networks with Applications to Fuzzy Cognitive Networks. International Journal of Artificial Life Research, 2011, 2, 1-16.	0.1	4
1943	Cognition and Decision Making in Construction Engineering and Management: A Case of Construction Project Contract Negotiation. Journal of Convergence Information Technology, 2011, 6, 226-233.	0.1	3
1944	Analysis and Design of the Knowledge Representation for the Implementation of a Distributed Reasoning. Revista De Matemática: Teoría Y Aplicaciones, 2009, 16, 267-281.	0.1	5



#	ARTICLE	IF	CITATIONS
1945	EVALUATION OF SUBJECTIVE PREFERENCES BY FUZZY COGNITIVE MAPS OF SEMI-AUTONOMOUS DECISION MAKING SYSTEMS. , 2011, , .		0
1946	Remedy for Effective Cure of Diseases using Combined Neutrosophic Relational Maps. International Journal of Computer Applications, 2011, 12, 18-23.	0.2	0
1947	A new method for identifying the central nodes in Fuzzy Cognitive Maps using Consensus Centrality Measure. , 0, , .		1
1948	Fuzzy Cognitive Map Reasoning Mechanism for Handling Uncertainty and Missing Data. Advances in Computational Intelligence and Robotics Book Series, 2012, , 583-608.	0.4	0
1949	Evaluation of E-government Systems with Cognitive Mapping Simulation. Communications in Computer and Information Science, 2012, , 369-376.	0.4	0
1950	Use of Fuzzy Cognitive Maps for Climate System Stability Analysis. , 2012, , .		0
1951	Simulating Vaccination Control and Herd Immunity Threshold in EcoDemics. , 2012, , .		0
1952	Fuzzy Cognitive Maps for Modelling, Predicting and Interpreting HIV Drug Resistance. Lecture Notes in Computer Science, 2012, , 31-40.	1.0	4
1953	PREDICTION OF IMMINENT SPECIESâ€™ EXTINCTION IN EcoSim. , 2012, , .		0
1955	Imperfect Causality: Combining Experimentation and Theory. Studies in Fuzziness and Soft Computing, 2012, , 371-389.	0.6	1
1956	Fuzzy Approach for Monitoring Projects Success in the IT/IS Industry. , 2012, , 120-135.		0
1957	Multi-Agent Systems in Distributed Computation. Lecture Notes in Computer Science, 2012, , 629-637.	1.0	2
1958	Systems Theoretic Techniques for Modeling, Control and Decision Support in Complex Dynamic Systems. , 2012, , 15-72.		2
1959	Comparing Distance-Based Phylogenetic Tree Construction Methods Using An Individual-Based Ecosystem Simulation, EcoSim. , 0, , .		1
1960	A Study on Miracles through Holy Bible using Combined Overlap Block Fuzzy Cognitive Maps (COBFCMS). International Journal of Computer Applications, 2012, 53, 17-21.	0.2	4
1961	A Study of the Attitudes of Road User using Combined Fuzzy Cognitive Maps (CFCMs). International Journal of Computer Applications, 2012, 59, 39-43.	0.2	2
1962	Node Selection in P2P Content Sharing Service in Mobile Cellular Networks with Reduction Bandwidth. American Journal of Networks and Communications, 2013, 2, 40.	0.2	0
1963	Developing Metacognitive Models for Team-Based Dynamic Environment Using Fuzzy Cognitive Mapping. Lecture Notes in Computer Science, 2013, , 325-334.	1.0	1

#	ARTICLE	IF	CITATIONS
1964	A Study on Problems Faced by the People with Disabilities (PWDs) Using Combined Overlap Block Fuzzy Cognitive Maps (COBFCMS). International Journal of Computer Theory and Engineering, 2013, , 735-740.	3.2	0
1966	ABC Intelligence on Fuzziness. Studies in Fuzziness and Soft Computing, 2013, , 377-381.	0.6	0
1967	User Centered Cognitive Maps. Studies in Computational Intelligence, 2013, , 203-220.	0.7	3
1968	Intelligent Systems Applied to the Control of an Industrial Mixer. IFIP Advances in Information and Communication Technology, 2013, , 537-546.	0.5	2
1969	Learning of Fuzzy Cognitive Maps for simulation and knowledge discovery. , 2013, , .		5
1970	Recursive Fuzzy Predictions of Future Patient Paths to Support Clinical Decision Making in ICU. Engineering, 2013, 05, 584-589.	0.4	0
1971	Fuzzy Cognitive Strategic Maps in Business Process Performance Measurement. Studies in Computational Intelligence, 2013, , 339-364.	0.7	0
1972	Human Intention Reading by Fuzzy Cognitive Map: A Human-Robot Cooperative Object Carrying Task. Advances in Intelligent Systems and Computing, 2013, , 127-135.	0.5	0
1973	Fuzzy Cognitive Maps Based Election Results Prediction System. International Journal of Computers & Technology, 2013, 7, 483-492.	0.2	4
1974	A New FCM Classifier Model Based on KDTICM. Journal of Information and Computational Science, 2013, 10, 2601-2609.	0.1	1
1975	Study of sustainable development using Fuzzy Cognitive Relational Maps (FCM). International Journal of Data Mining Techniques and Applications, 2013, 2, 38-42.	0.0	0
1976	A Study on Miracles through The Holy Bible using Modified Induced Fuzzy Relational Maps (MIFRM). International Journal of Computer Applications, 2013, 75, 33-39.	0.2	0
1977	Youth Gang Formation: Basic Instinct or Something Else?. Intelligent Systems Reference Library, 2014, , 161-177.	1.0	0
1978	FRM (Fuzzy Relational Maps) Model of Hypertension Problem Faced by Adult in Tamilnadu. International Journal of Computer Applications, 2013, 82, 7-11.	0.2	0
1980	Employing Fuzzy Cognitive Map for Periodontal Disease Assessment. Intelligent Systems Reference Library, 2014, , 375-389.	1.0	2
1981	Analyzing the Role of a Family in Constructing Gender Roles Using Combined Overlap Block Fuzzy Cognitive Maps. International Journal of Data Mining Techniques and Applications, 2013, 2, 67-70.	0.0	0
1982	The Complex Nature of Migration at a Conceptual Level: An Overlook of the Internal Migration Experience of Gebze Through Fuzzy Cognitive Mapping Method. Intelligent Systems Reference Library, 2014, , 319-354.	1.0	0
1983	Designing and Training Relational Fuzzy Cognitive Maps. Intelligent Systems Reference Library, 2014, , 145-157.	1.0	0

#	ARTICLE	IF	CITATIONS
1984	Application of Topsis Method to Analyze Causes of Suicide Thought in Domestic Violence. International Journal of Computing Algorithm, 2013, 2, 131-134.	0.1	3
1985	Using RuleML for Representing and Prolog for Simulating Fuzzy Cognitive Maps. Intelligent Systems Reference Library, 2014, , 65-87.	1.0	0
1986	Synthesis and Analysis of Multi-Step Learning Algorithms for Fuzzy Cognitive Maps. Intelligent Systems Reference Library, 2014, , 133-144.	1.0	2
1987	Understanding Public Participation and Perceptions of Stakeholders for a Better Management in Danube Delta Biosphere Reserve (Romania). Intelligent Systems Reference Library, 2014, , 355-374.	1.0	1
1989	A Study on Miracles through the Holy Bible Using Fuzzy Cognitive Maps (FCMs). International Journal of Applied Physics and Mathematics, 2014, 4, 345-351.	0.3	0
1990	Fuzzy Cognitive Map of Research Team Activity. Lecture Notes in Computer Science, 2014, , 342-350.	1.0	1
1991	A Review of the Application of Fuzzy Cognitive Maps in the Policy Decision-Making Life Cycle. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2014, , 129-148.	0.2	0
1992	Methodical maintenance of strategic risk assessment of innovative activity of commercial bank. Forestry Engineering Journal, 2014, 3, 177-185.	0.1	0
1993	Preliminary Results on a New Fuzzy Cognitive Map Structure. Studies in Fuzziness and Soft Computing, 2014, , 171-180.	0.6	1
1994	Technology Assessment: Energy Storage Technologies for Wind Power Generation. Innovation, Technology and Knowledge Management, 2014, , 91-113.	0.4	0
1995	Using Affective Computing to Detect Emotions with Color. Lecture Notes in Electrical Engineering, 2014, , 337-345.	0.3	0
1996	Introduction and Outline of Part II. Advances in Industrial Control, 2014, , 185-196.	0.4	0
1997	Using FCM Based Hybrid Computational Approach for Diseases Diagnosis in Traditional Chinese Medicine. International Journal of Machine Learning and Computing, 2014, 4, 389-393.	0.8	0
1998	Fuzzy Influence of Design Widgets to Blog Visibility. Lecture Notes in Business Information Processing, 2014, , 52-60.	0.8	0
1999	Strategic Decision Support in Waste Management Systems by State Reduction in FCM Models. Lecture Notes in Computer Science, 2014, , 447-457.	1.0	4
2000	An Affective-Motivational Interface for a Pedagogical Agent. International Journal of Intelligence Science, 2014, 04, 17-23.	0.6	3
2001	A Mining Method to Create Knowledge Map by Analysing the Data Resource. SSRG International Journal of Engineering Trends and Technology, 2014, 9, 430-435.	0.3	0
2002	Mutating HIV Protease Protein Using Ant Colony Optimization and Fuzzy Cognitive Maps: Drug Susceptibility Analysis. Computacion Y Sistemas, 2014, 18, .	0.2	0

#	ARTICLE	IF	CITATIONS
2004	HISTORY AND DEVELOPMENT OF NEURAL NETWORKS. , 1990, , 13-27.		0
2005	Dynamic Knowledge Systems for New Production Trends. , 1992, , 301-310.		3
2006	Computer-Aided Decision Support Engineering. , 1993, , 313-335.		2
2007	Conceptual design problem. , 1994, , 93-110.		0
2008	Fuzzy Neural Net System. International Series in Intelligent Technologies, 1994, , 295-369.	0.1	1
2009	Alternative Database Models and Approaches. International Series in Intelligent Technologies, 1996, , 145-184.	0.1	0
2010	Performance Prediction of Composting Processes Using Fuzzy Cognitive Maps. , 1996, , 1083-1086.		0
2011	Emotion-oriented Man-machine Interface for Welfare Intelligent Robot.. Journal of the Robotics Society of Japan, 1998, 16, 993-1000.	0.0	16
2012	INFORMATION SYSTEM FOR A FUZZY COGNITIVE ANALYSIS AND MODELING. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Środowiska, 2014, 4, 31-33.	0.2	3
2013	n Enhanced Artificial Ecosystem: Investigating Emergence of Ecological Niches. , 0, , .		1
2014	Fuzzy Logic-Based Application Security Risk Assessment. , 2014, , 49-66.		0
2015	Fuzzy Logic-Based Application Security Risk Assessment. , 2014, , 72-89.		0
2016	Modelo, basado en computación con palabras y mapas cognitivos difusos competitivos, para la representación de las interrelaciones entre síntomas, signos y enfermedades cardiovasculares. Investigación, Tecnología e Innovación, 2014, 6, 1-15.	0.0	0
2017	A Study of Factors Affecting the Personality Using Weighted Multi Expert Neural Networks System. International Journal of Computing Algorithm, 2014, 3, 154-157.	0.1	0
2018	The Study of Hazards of Plastic Pollution Using Induced Fuzzy Cognitive Maps (IFCMS). International Journal of Computing Algorithm, 2014, 3, 147-149.	0.1	0
2019	An Analysis of Risk Factors of Breast Cancer using Interval Weighted Fuzzy Cognitive Maps (IWFCMs). International Journal of Computing Algorithm, 2014, 3, 161-166.	0.1	0
2020	Evocación de hábitos en personajes virtuales mediante Mapas Cognitivos Difusos y técnicas de videojuegos. Research in Computing Science, 2014, 73, 73-87.	0.1	1
2021	A Study on the Non-awareness and Impact of Right to Information Act among People in Tamil Nadu region using Neutrosophic Cognitive Maps (Ncms). International Journal of Computing Algorithm, 2014, 3, 158-160.	0.1	1

#	ARTICLE	IF	CITATIONS
2022	Connecting the Educational and Fuzzy Worlds. Advances in Educational Technologies and Instructional Design Book Series, 2015, , 241-259.	0.2	0
2023	Automatic Data Understanding. Advances in Intelligent Systems and Computing, 2015, , 217-228.	0.5	0
2024	A Probabilistic Semantics for Cognitive Maps. Lecture Notes in Computer Science, 2015, , 151-169.	1.0	0
2025	The use of fuzzy cognitive map in modeling on-line advertising. Zeszyty Naukowe Uniwersytetu Szczecińskiego Studia Informatica, 2015, 38, 227-240.	0.1	0
2026	Infusing Innovation in the Policy Analysis and Evaluation Phases of the Policy Cycle. , 2015, , 1236-1252.		0
2027	FCM-Based Modeling of LMS Users' Quality of Interaction. Advances in Educational Technologies and Instructional Design Book Series, 2015, , 388-420.	0.2	0
2028	Fuzzy Logic-Based Inference Systems. Advances in Educational Technologies and Instructional Design Book Series, 2015, , 209-239.	0.2	0
2029	Monitoring and Prediction of Time Series Based on Fuzzy Cognitive Maps with Multi-step Gradient Methods. Advances in Intelligent Systems and Computing, 2015, , 197-206.	0.5	3
2030	Study of FCM Model for Fault Clustering Using Optimization Method. , 2015, , .		0
2031	Enhancing Blended Environments Through Fuzzy Cognitive Mapping of LMS Users' Quality of Interaction: The Rare and Contemporary Dance Paradigms. Lecture Notes in Computer Science, 2015, , 31-42.	1.0	0
2032	An Intelligent Knowledge-based Approach for the Management of Human Immunodeficiency Virus and Tuberculosis. International Journal of Computer Applications, 2015, 115, 30-37.	0.2	0
2033	Utilización de Mapas de Conocimiento Difuso (MCD) en la asignación de prioridades de la restauración fluvial: Aplicación al Río Esla. Cuadernos De La Sociedad Española De Ciencias Forestales, 2015, , .	0.1	1
2034	USING ANP TO DESIGN A LIVING SYSTEM LIKE BALANCED OPERATING MODEL FOR INTANGIBLE SERVICES. International Journal of the Analytic Hierarchy Process, 2015, 7, .	0.2	0
2035	IT Business Service-Level-Management – An Intuitionistic Fuzzy Approach. Studies in Fuzziness and Soft Computing, 2016, , 249-271.	0.6	0
2036	Design Method of FCM Representation with Optimization Algorithm. Communications in Computer and Information Science, 2016, , 482-492.	0.4	0
2037	Reservation for Other Backward Classes in Indian Central Government Institutions like IITS, IIMS and AIIMS A Study of the Role of Media Using Fuzzy Super FRM Models. SSRN Electronic Journal, 0, , .	0.4	0
2038	Applying the Fuzzy Analytical Network Process in Digital Marketing. , 2016, , 1159-1188.		0
2039	Population Modelling by Examples II. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
2040	Ecological Effects of Cyclically Fluctuating Resources. , 2016, , .		0
2041	Embedded Dynamic Fuzzy Cognitive Maps for Controller in Industrial Mixer. Smart Innovation, Systems and Technologies, 2016, , 251-261.	0.5	1
2042	Analyzing Human Communities using Fuzzy Graphs. Pakistan Journal of Engineering Technology & Science, 2016, 4, .	0.2	0
2043	Cognitive modeling of reinsurance flows on the global reinsurance market. Geopolitics Under Globalization, 2016, 1, 5-11.	1.0	1
2044	Usprawnianie podejmowania decyzji w budownictwie dzięki zracjonalizowaniu sposobów wykorzystywania porównywania parami. Materiały Budowlane, 2016, 1, 96-98.	0.0	0
2045	Fuzzy Cognitive Research on Factors Influencing Technological Innovation – From Path Dependence Perspective. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2016, 20, 543-553.	0.5	0
2046	An FCM-based Personalized Affective Model for Agile Software Development. , 2016, , .		0
2047	Natural Immune System Response As Complex Adaptive System Using Learning Fuzzy Cognitive Maps. IAES International Journal of Artificial Intelligence, 2016, 5, 95.	0.6	0
2048	Dynamic game difficulty balancing in real time using Evolutionary Fuzzy Cognitive Maps with automatic calibration. Journal of Interactive Systems, 2016, 7, 1.	0.4	0
2049	Development of Fuzzy Cognitive Map for Optimizing E-learning Course. Communications in Computer and Information Science, 2017, , 47-56.	0.4	3
2050	Fuzzy Analysis Of Social, Emotional Maturity Of Post Graduate Social Work Students In Trichy, Tamilnadu. IOSR Journal of Humanities and Social Science, 2017, 22, 41-43.	0.0	0
2051	Models of Improving the Efficiency of the Functioning of State Institutions. DAAAM International Scientific Book, 2017, , 133-144.	0.1	0
2052	Intelligent Decision Making and Risk Analysis of B2c E-Commerce Customer Satisfaction. , 2017, , 969-986.		0
2053	A Fuzzy Rule Model for High Level Musical Features on Automated Composition Systems. Computational Music Science, 2017, , 243-251.	0.1	0
2054	Learning of Sparse Fuzzy Cognitive Maps Using Evolutionary Algorithm with Lasso Initialization. Lecture Notes in Computer Science, 2017, , 385-396.	1.0	2
2055	An Individual-Based Modeling Approach to Investigate Sympatric Speciation via Specialized Resource Usage. Open Journal of Ecology, 2017, 07, 222-269.	0.4	3
2056	Durability and Service Life Design Concepts for Structures and (Non-)Structural Members Made of or Strengthened/Repaired with SHCC. RILEM State-of-the-Art Reports, 2017, , 171-200.	0.3	0
2057	Using Fuzzy Control Methods for Increasing the Energy Efficiency of Buildings. , 2017, , 1256-1277.		0

#	ARTICLE	IF	CITATIONS
2058	A Fuzzy Cognitive Map-Based Approach for Understanding Value Creation Mechanisms of Artistic Interventions. <i>Advances in Business Strategy and Competitive Advantage Book Series</i> , 2017, , 74-88.	0.2	1
2059	Applied Fuzzy Management Methods for IT Service-Level-Management. , 2017, , 35-47.		0
2060	Why Modeling Complex Dynamic Systems using Fuzzy Cognitive Maps?. <i>International Journal of Business &amp; Technology</i> , 2017, 5, 1-7.	0.0	0
2061	Digital Humanities, Social Sciences and Intercultural Studies: Principles and Methodology. , 2017, , 323-346.		0
2063	Veterans in STEM: Supporting the Transition from Military Culture to the Culture of College. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 43-53.	0.5	0
2065	Classifying the Level of Coupling by Intuitionistic Fuzzy Sets. <i>Fuzzy Management Methods</i> , 2018, , 45-70.	0.1	0
2067	IFSFA Solution Approach. <i>Fuzzy Management Methods</i> , 2018, , 73-108.	0.1	0
2068	An Intuitionistic Fuzzy Approach for Service Level Management. <i>Fuzzy Management Methods</i> , 2018, , 129-143.	0.1	0
2069	A UtilizaĂşĂo de Ferramentas Prospectivas em Gerenciamento de Risco de Projetos EstratĂ©gicos â€ AnĂlise dos Institutos de InovaĂşĂo e Tecnologia do Sistema Fiesc. <i>Future Studies Research Journal: Trends and Strategies</i> , 2017, 9, 88-115.	0.2	0
2070	Fuzzy Cognitive Map to Analyze the Impact of Modern Technology on Bangladeshi Handloom Weavers. <i>International Journal of Computer Applications</i> , 2017, 174, 24-27.	0.2	0
2072	Selection Among Solar Power Plants Using Fuzzy Economics. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 487-496.	0.5	0
2073	ZMODYFIKOWANA METODA UĂ»YCIA FUNKCJI PROGOWYCH W MODELACH RELACYJNYCH ROZMYTYCH MAP KOGNITYWNYCH. <i>Informatyka Automatyka Pomiary W Gospodarce I Ochronie Ăşrodowiska</i> , 2017, 7, 86-89.	0.2	0
2074	BulanĂ±k BiliĂşsel Haritalar KullanĂ±larak YeĂşil Tedarik Zinciri YĂnetimi Ă°Ăşin Bir DeĂşerlendirme Modeli. <i>Academic Platform Journal of Engineering and Science</i> , 0, , 26-34.	0.5	2
2075	ZASTOSOWANIE ROZMYTEJ MAPY KOGNITYWNEJ W PROGNOZOWANIU EFEKTYWNOĂşCI PRACY WYPOĂ»YWCZALNI, ROWEROWYCH. <i>Informatyka Automatyka Pomiary W Gospodarce I Ochronie Ăşrodowiska</i> , 2017, 7, 70-73.	0.2	0
2076	Opening in Conclusion: An Anthropological Approach to Transformationâ€Shaping Shapes. <i>Sustainability and Innovation</i> , 2018, , 135-143.	0.1	0
2077	ĐšĐžĐ“ĐĐ†ĐĐĐ”ĐĐĐĐ™ ĐŸĐ†Đ”ĐŸĐ†Đ” Đ”Đž ĐœĐžĐ”Đ•Đ•Đ®Đ’ĐĐĐĐĐ ĐĐžĐ—Đ’ĐĐĐĐšĐĐĐ Đ•Đ†ĐĐĐžĐŸĐĐĐĐĐœĐ’ĐĐĐĐžĐ’ĐžĐ		
2078	Using Fuzzy Control Methods for Increasing the Energy Efficiency of Buildings. , 2018, , 1244-1265.		0
2079	A UAV-Driven Surveillance System to Support Rescue Intervention. <i>Lecture Notes in Computer Science</i> , 2018, , 124-135.	1.0	1

#	ARTICLE	IF	CITATIONS
2080	A Systematic Review of Analytical Management Techniques Applied to Competition Analysis Modeling Towards a Framework for Integrating them with BPM. Lecture Notes in Business Information Processing, 2018, , 166-185.	0.8	1
2081	Improved Behavioral Analysis of Fuzzy Cognitive Map Models. Lecture Notes in Computer Science, 2018, , 630-641.	1.0	6
2082	Modelling the interrelation among software quality criteria using Computational Intelligence techniques. International Journal of Computational Intelligence Systems, 2018, 11, 1170.	1.6	0
2083	Modelling occupational health and safety management systems with fuzzy cognitive maps and leading indicators: a theoretical approach. Occupational Safety & Science and Practice, 2018, 557, 11-15.	0.0	1
2084	A novel approach for institutionalization analysis based on fuzzy cognitive maps. Sakarya University Journal of Science, 2018, 22, 557-571.	0.3	1
2085	Development of the comprehensive method to manage risks in projects related to information technologies. Eastern-European Journal of Enterprise Technologies, 2018, 2, 37-43.	0.3	2
2086	System Analysis on the Basis of Imprecise Cognitive Cards. Vestnik of the Plekhanov Russian University of Economics, 2018, , 152-160.	0.1	2
2087	Implementation of Fuzzy Cognitive Map and Support Vector Machine for Classification of Oral Cancers. EAI Endorsed Transactions on Energy Web, 2018, 5, 155559.	0.3	0
2088	Use of fuzzy cognitive maps for enhanced interaction with multiple mobile devices. , 0, , .		1
2089	Banking Applications of FCM Models. Studies in Computational Intelligence, 2019, , 61-72.	0.7	3
2090	Modern Approaches to Risk Situation Modeling in Creation of Complex Technical Systems. Advances in Intelligent Systems and Computing, 2019, , 209-217.	0.5	10
2091	Performance Indicators Evaluation of Business Process Outsourcing Employing Fuzzy Cognitive Map. Advances in Intelligent Systems and Computing, 2019, , 201-208.	0.5	0
2092	A Case Study on Wildfire Propagation Modelling Using Evolving Rule Based Fuzzy Cognitive Maps. , 0, , .		1
2093	A Preliminary Study on Symbolic Fuzzy Cognitive Maps for Pattern Classification. Communications in Computer and Information Science, 2019, , 285-295.	0.4	2
2094	Managing influence in complex systems to ensure safety of their operation. , 2019, , .		0
2095	A Fuzzy Reasoning Process for Conversational Agents in Cognitive Cities. Lecture Notes in Business Information Processing, 2019, , 104-129.	0.8	3
2096	Toward Aggregating Fuzzy Graphs a Model Theory Approach. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 215-222.	0.2	3
2097	A Critical Overview of Net Zero Energy Buildings and Fuzzy Cognitive Maps. , 2019, , 537-559.		0



#	ARTICLE	IF	CITATIONS
2098	Intelligent IoT-Enabled System in Green Supply Chain Using Integrated FCM Method. , 2019, , 602-623.		0
2101	Cognitive modeling of factors of influence on the processes of formation and reproduction of fixed assets of agricultural enterprises. Development Management, 2019, 16, 73-87.	0.1	5
2102	Cognitive Control of Self-Evolving Life Forms (SELF) Utilizing Artificial Procedural Memories. , 2020, , 121-128.		0
2103	Ontology-Based Knowledge Management for Artificial Intelligent Systems. , 2020, , 99-120.		1
2104	Fuzzy Cognitive Modeling: Theoretical and Practical Considerations. Smart Innovation, Systems and Technologies, 2020, , 77-87.	0.5	8
2105	Method for Searching of an Optimal Scenario of Impact in Cognitive Maps During Information Operations Recognition. Advances in Intelligent Systems and Computing, 2020, , 182-193.	0.5	2
2106	Outcomes of Kidney Transplant Recipients With Posttransplant Genitourinary Infectious Complications: A Single Center Study. Experimental and Clinical Transplantation, 2019, 17, 470-477.	0.2	0
2107	Fuzzy Optimization and Reasoning Approaches. Studies in Fuzziness and Soft Computing, 2020, , 43-66.	0.6	0
2108	Toward Combining Fuzzy Graphs Based on Hedge Algebra. EAI Endorsed Transactions on Context-aware Systems and Applications, 2019, 6, 162801.	0.1	0
2109	Analyzing Success Factors of Digital Transformation in Aviation Industry Using Fuzzy Cognitive Map Approach. , 2019, , .		5
2110	Fuzzy Cognitive Mapping Approach for Assessing Industry 4.0 Tendency. Scientia Iranica, 2019, .	0.3	3
2111	Concept of Risk-Management of International Tour Operator on the Base of Fuzzy Cognitive Model. Advances in Intelligent Systems and Computing, 2020, , 420-428.	0.5	0
2112	Fuzzy dynamic models of situation analysis, decision support, and control in complex systems. Journal of Physics: Conference Series, 2019, 1391, 012048.	0.3	0
2113	A cognitive model for managing the national innovation system parameters based on international comparisons (the case of the EU countries). Problems and Perspectives in Management, 2019, 17, 153-162.	0.5	8
2114	Fuzzy cognitive maps in the dependability analysis of systems. Dependability, 2019, 19, 24-31.	0.1	2
2115	FUZZY COGNITIVE MAPS AS A MEANS OF MODELING THE ENTERPRISE LOGISTICS SERVICES SYSTEM. Market Infrastructure, 2020, , .	0.0	0
2116	Method for Validating Graph Models Based on the Effective Control Algorithm. Proceedings of Telecommunication Universities, 2020, 6, 58-65.	0.1	0
2117	Symbolic Explanation Module for Fuzzy Cognitive Map-Based Reasoning Models. Lecture Notes in Computer Science, 2020, , 21-34.	1.0	1

#	ARTICLE	IF	CITATIONS
2118	Environmental, Social and Governance Risk in Public and Private Financial Systems. , 2020, , .		2
2119	Fuzzy cognitive mapping of Baltic Archipelago Sea food webs reveals no cliqued views of the system structure between stakeholder groups. Socio-Environmental Systems Modeling, 0, 2, 16343.	0.0	1
2120	Fuzzy Models for Implementation of the Decision-Making Module in Networked Didactic Prototypes. Computacion Y Sistemas, 2020, 24, .	0.2	1
2121	Stability of Fixed-Point Values in Reduced Fuzzy Cognitive Map Models. Studies in Fuzziness and Soft Computing, 2021, , 359-372.	0.6	0
2122	An Integrated Fuzzy DEMATEL and Fuzzy Cognitive Mapping Methodology for Prioritizing Smart Campus Investments. Advances in Intelligent Systems and Computing, 2021, , 701-708.	0.5	0
2123	New Advanced Technology Methods for Energy Efficiency of Buildings. , 2020, , .		0
2124	An Optimized Intuitionistic Fuzzy Associative Memories (OIFAM) to Identify the Complications of Type 2 Diabetes Mellitus (T2DM). International Journal of Fuzzy System Applications, 2020, 9, 22-41.	0.5	0
2125	Integrating Foresight, Artificial Intelligence and Data Science to Develop Dynamic Futures Analysis. Journal of Information Systems Engineering and Management, 2020, 5, em0120.	0.4	5
2126	Bulanlık Bilişsel Harita Tabanlı PID Kontrol Tasarımı. European Journal of Science and Technology, 0, , 165-171.	0.5	1
2127	Applications: Granular Models, Granular Classifiers and Fuzzy Cognitive Maps. Intelligent Systems Reference Library, 2021, , 249-269.	1.0	0
2128	Bulanlık Bilişsel Harita Tabanlı PD Kontrolörler Kullanılarak Ters Sarkaç Sisteminin Stabilizasyonu. European Journal of Science and Technology, 0, , 156-164.	0.5	0
2129	Mine Pressure Prediction Study Based on Fuzzy Cognitive Maps. International Journal of Computational Intelligence and Applications, 2020, 19, .	0.6	1
2130	Haar FCM with DEMATEL Technique to Analyze the Solid Waste Management. Lecture Notes in Electrical Engineering, 2021, , 393-402.	0.3	9
2131	A multicriteria decision making methodology based on two-dimensional uncertainty by hesitant Z-fuzzy linguistic terms with an application for blockchain risk evaluation. Applied Soft Computing Journal, 2021, 113, 108014.	4.1	21
2132	A labelling system and automation comparison index for industry 4.0 system. Industrial Robot, 2022, 49, 415-427.	1.2	3
2133	Examination of Factors Affecting Customer Oriented Product Design in Automotive Industry. Studies in Systems, Decision and Control, 2020, , 451-467.	0.8	1
2134	Fuzzy Cognitive Model for Analysis of Influence Relations and Industrial Cluster Identification. Smart Innovation, Systems and Technologies, 2020, , 517-531.	0.5	0
2135	Using Fuzzy c-Means for Weighting Different Fuzzy Cognitive Maps. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.5	1

#	ARTICLE	IF	CITATIONS
2136	Hybrid FCM learning algorithm based on particle swarm optimization and gradient descent algorithm. , 2020, , .		1
2138	Investigation of Impulse Processes on a Cognitive Map to Determine Changes in the Level of Security of the Information Security System. Visnyk of Vinnytsia Politechnical Institute, 2020, 152, 56-62.	0.0	0
2139	Measuring Variability and Association for Categorical Data. SSRN Electronic Journal, 0, , .	0.4	0
2140	Fuzzy cognitive maps and their application in the economic sciences. Econometrics, 2020, 24, 20-36.	0.1	3
2141	Fuzzy Cognitive Maps analysis of Green Supply Chain Management: a case study approach. IFAC-PapersOnLine, 2020, 53, 17481-17486.	0.5	1
2142	Group Definition Based on Flow in Community Detection. Communications in Computer and Information Science, 2020, , 524-538.	0.4	3
2143	Evaluation of the Effects of Russianâ€“Chinese Transboundary Projects in the Far East. Smart Innovation, Systems and Technologies, 2020, , 351-358.	0.5	1
2144	A Privacy-Preserving, Distributed and Cooperative FCM-Based Learning Approach for Cancer Research. Lecture Notes in Computer Science, 2020, , 477-487.	1.0	4
2145	A Fault-Based Testing Approach in Safety Critical Medical Systems. Journal of Software Engineering and Applications, 2020, 13, 129-142.	0.8	0
2146	Effect of Resonance in the Effective Control Model Based on the Spread of Influence on Directed Weighted Signed Graphs. Advances in Intelligent Systems and Computing, 2020, , 270-280.	0.5	1
2147	Representing and Simulating Uncertainty of the Quality of Service of Web Services using Fuzzy Cognitive Map Approach. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.5	0
2148	Using Fuzzy Cognitive Map Approach for Assessing Cybersecurity for Telehealth Scenario. Advances in Intelligent Systems and Computing, 2020, , 828-837.	0.5	1
2149	CyreamE: A Real-Time Situational Awareness and Decision-Making Blockchain-Based Architecture for the Energy Internet. , 2020, , 1-49.		1
2150	Mitigating the Impacts of Environmental Pollution in Lejweleputswa District Through Integration of Local and Scientific Knowledge. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 77-88.	0.2	1
2151	Medical Case Based Reasoning Frameworks. , 2020, , 516-552.		4
2152	Application of Ecosystem Modelling Methodology on Rural Areas of Crimeaâ€“Systematic Approach. Innovations in Landscape Research, 2020, , 37-47.	0.2	0
2153	Cognitive Systems for Urban Planning: A Literature Review. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 249-270.	0.2	3
2154	Fuzzy Cognitive Maps. Fuzzy Management Methods, 2021, , 27-42.	0.1	3

#	ARTICLE	IF	CITATIONS
2155	Data Drive Fuzzy Cognitive Map for Classification Problems. Lecture Notes in Computer Science, 2021, , 249-259.	1.0	1
2157	Direct Assessment of Individual Connotation and Experience: An Introduction to Cognitive-Affective Mapping. Politics and the Life Sciences, 0, , 1-21.	0.5	2
2158	Do social identity and cognitive diversity correlate in environmental stakeholders? A novel approach to measuring cognitive distance within and between groups. PLoS ONE, 2021, 16, e0244907.	1.1	7
2159	Fuzzy Cognitive Scenario Mapping for Causes of Cybersecurity in Telehealth Services. Healthcare (Switzerland), 2021, 9, 1504.	1.0	6
2160	Advanced Fuzzy Cognitive Maps Modelling a Nearly Zero Energy Building. , 2020, , .		0
2161	Fuzzy Cognitive Map Based PI Controller Design. Advances in Intelligent Systems and Computing, 2021, , 1250-1257.	0.5	4
2162	Modeling of innovative activity management processes in the region with use of fuzzy cognitive maps. Vestnik of Astrakhan State Technical University Series Management Computer Science and Informatics, 2020, 2020, 15-25.	0.1	1
2163	Retrieving Sparser Fuzzy Cognitive Maps Directly from Categorical Ordinal Dataset using the Graphical Lasso Models and the MAX-threshold Algorithm. , 2020, , .		5
2165	Technologies for E-Service Customization. , 0, , 47-70.		0
2166	Business Processes Design for Service Customization. , 0, , 127-169.		0
2167	Trust Modeling and Management. , 0, , 279-303.		18
2168	An Observer Approach for Deterministic Learning Using Patchy Neural Networks with Applications to Fuzzy Cognitive Networks. , 0, , 272-285.		0
2169	Trust Modeling and Computational Trust. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 13-30.	0.4	0
2170	Background Review. , 0, , 34-63.		0
2171	Bipolar Cognitive Mapping and Decision Analysis. , 0, , 333-361.		0
2172	Fuzzy Modelling for Integrated Strategic Planning for Information Systems and Business Process Design. , 0, , 593-610.		0
2173	Intelligent Decision Making and Risk Analysis for IT Management Processes. , 0, , 255-276.		0
2174	Application of Fuzzy Cognitive Maps in IT Management and Risk Analysis. , 0, , 90-99.		0

#	ARTICLE	IF	CITATIONS
2175	Produktplanung mit Fuzzy Cognitive Maps. , 2007, , 263-293.		0
2176	Distributed Learning Using Fuzzy Cognitive Maps. , 2005, , 181-204.		0
2177	Unsupervised Learning by Fuzzy Petri Nets. , 2005, , 205-231.		0
2178	Hybrid Fuzzy Cognitive Map Modeller: A Novel Software Tool for Decision Making. , 2005, , 851-862.		5
2179	A Model for Reasoning About the Privacy Impact of Composite Service Execution in Pervasive Computing. , 2008, , 215-230.		1
2180	Reference Algorithm of Text Categorization Based on Fuzzy Cognitive Maps. , 2006, , 531-536.		2
2181	Application of Fuzzy Cognitive Maps for Stock Market Modeling and Forecasting. Lecture Notes in Computer Science, 2008, , 72-81.	1.0	2
2182	An Approach for Anomaly Intrusion Detection Based on Causal Knowledge-Driven Diagnosis and Direction. Studies in Computational Intelligence, 2008, , 39-48.	0.7	4
2183	Handling Linguistic Values in Knowledge Acquisition. Lecture Notes in Computer Science, 2007, , 517-525.	1.0	0
2184	Risk Mining for Strategic Decision Making. , 2007, , 21-28.		1
2187	A Prolog Based System That Assists Experts to Construct and Simulate Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2008, , 288-300.	1.0	0
2192	Measuring attitudes as a complex system. Politics and the Life Sciences, 2021, 40, 179-201.	0.5	6
2193	Cause-Effect Analysis, Barriers Identification, and Policy Implications for China's Energy Security. , 2021, , 149-175.		0
2194	Urban Annual Electricity Consumption Prediction Method Based On Fuzzy Cognitive Map. , 2021, , .		1
2195	Prioritization of Smart Factory Transition Strategies for Manufacturing Plants with an Integrated Fuzzy Decision-Making Approach: The Case of Turkey. , 2021, , .		0
2196	COGNITIVE MODELING OF FINANCIAL AND ECONOMIC PROVISION OF QUALITY ACTIVATION OF HIGHER EDUCATION. Financial and Credit Activity Problems of Theory and Practice, 2021, 5, 345-354.	0.1	0
2197	An accurate multiple cognitive classifier system for incipient short-circuit fault detection in induction generators. Electrical Engineering, 0, , 1.	1.2	1
2199	Time series prediction based on high-order intuitionistic fuzzy cognitive maps with variational mode decomposition. Soft Computing, 2022, 26, 189-201.	2.1	9

#	ARTICLE	IF	CITATIONS
2200	Estimating Risk Perception Effects on Courier Companies'™ Online Customer Behavior during a Crisis, Using Crowdsourced Data. Sustainability, 2021, 13, 12725.	1.6	15
2201	Plithogenic Cognitive Maps in Decision Making. , 2020, , 09-21.		3
2202	Advanced State Fuzzy Cognitive Maps applied on nearly Zero Energy Building model. IFAC-PapersOnLine, 2021, 54, 533-538.	0.5	4
2203	Assessing Blockchain-Based Innovation for the "Right to Education" Using MCDA Approach of Value-Focused Thinking and Fuzzy Cognitive Maps. IEEE Transactions on Engineering Management, 2023, 70, 1945-1965.	2.4	3
2204	A Critical Historical and Scientific Overview of all Industrial Revolutions. IFAC-PapersOnLine, 2021, 54, 464-471.	0.5	28
2205	Training Novel Adaptive Fuzzy Cognitive Map by Knowledge-Guidance Learning Mechanism for Large-Scale Time-Series Forecasting. IEEE Transactions on Cybernetics, 2023, 53, 4665-4676.	6.2	6
2206	Fuzzy Cognitive Map-Driven Comprehensive Time-Series Classification. IEEE Transactions on Cybernetics, 2023, 53, 1348-1359.	6.2	7
2208	Why Modelling the COVID-19 pandemic using Fuzzy Cognitive Maps (FCM)?. IFAC-PapersOnLine, 2021, 54, 305-310.	0.5	1
2209	The Study of the Possibilities of Constructing Cognitive Models of Complex Systems as a Result of the Analysis of Time Series of a Limited Number of Factors on the Example of Financial Markets. IFAC-PapersOnLine, 2021, 54, 166-171.	0.5	1
2210	Structural Analysis of Large-Scale Socio-Technical Systems Based on the Concept of Influence. IFAC-PapersOnLine, 2021, 54, 738-743.	0.5	3
2211	The relationship between organizational culture and the performance of a technology startup: A Fuzzy Cognitive Maps based analysis. GEPROS: GestÃo Da ProduÃo, OperaÃes E Sistemas, 2020, 15, 36-57.	0.0	0
2212	AplicaciÃn del anÃlisis estructural de prospectiva al diseÃo de estrategias de desarrollo rural: el caso de la comarca de Jerez. Estudios De Economia Aplicada (discontinued), 2020, 29, 247-278.	0.2	2
2213	Simulation of Expert's Assessments Adjustment for Cognitive Maps Building. , 2020, , .		0
2214	Using Fuzzy Cognitive Maps for Supporting Water Resources Management and Planning. , 2020, , .		1
2215	A Review of Problem Structuring Methods for Consideration in Prognostics and Smart Manufacturing. International Journal of Prognostics and Health Management, 2016, 7, .	0.6	0
2216	Ð"ÐžÐ;Ð;Ð†Ð"Ð-Ð•ÐÐÐ Ð"ÐžÐ;Ð¸ÐžÐ†Ð†ÐÐÐžÐ;Ð¸Ð¸Ð† Ð'ÐŸÐ•Ð"Ð'Ð£ Ð-ÐÐ"ÐÐžÐ- ÐÐ•ÐÐ†Ð'Ð•ÐÐ- Ð-ÐÐÐ†Ð¸Ð¸ÐžÐ;Ð¸Ð¸Ð†		
2217	Cognitive Modelling-driven Time Series Forecasting for Predicting Target Indicators in Non-stationary Processes. IFAC-PapersOnLine, 2021, 54, 91-96.	0.5	2
2218	Fuzzy Cognitive Maps for Software Fault Prediction. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
2219	Fuzzy Cognitive Maps as a Tool for Identifying Cognitive Conflicts That Hinder the Adoption of Healthy Habits. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1411.	1.2	5
2220	A combined methodology based on Z-fuzzy numbers for sustainability assessment of hydrogen energy storage systems. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 15528-15546.	3.8	16
2221	Introducing the Living Lab Approach in the Coastal Area of Constanta (Romania) by Using Design Thinking. <i>Inventions</i> , 2022, 7, 19.	1.3	4
2222	Conceptual model for breaking ripple effect and cycles within supply chain resilience. <i>Supply Chain Forum</i> , 2022, 23, 252-271.	2.7	11
2223	Decoding Culture. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2225	The Role of Smart Technologies to Support Citizen Engagement and Decision Making. , 2022, , 687-703.		0
2226	Development of a computational tool for the design of seawater reverse osmosis desalination systems powered by photovoltaics for crop irrigation. , 0, , 1-22.		3
2227	R-number Cognitive Map Method for Modeling Problems in Uncertainty and Risky Environment. <i>International Journal of Fuzzy Systems</i> , 2022, 24, 1455-1466.	2.3	2
2228	Cognitively Inspired Multi-attribute Decision-making Methods Under Uncertainty: a State-of-the-art Survey. <i>Cognitive Computation</i> , 2022, 14, 511-530.	3.6	4
2229	Foresight: a new approach based on the Z-number cognitive map. <i>European Journal of Futures Research</i> , 2022, 10, .	1.5	6
2230	Enhancing risk assessment of manufacturing production process integrating failure modes and sequential fuzzy cognitive map. <i>Quality Engineering</i> , 2022, 34, 191-204.	0.7	3
2231	Scientific Theories as Bayesian Nets: Structure and Evidence Sensitivity. <i>Philosophy of Science</i> , 2022, 89, 42-69.	0.5	3
2232	An Adaptive Trust Model Based on Fuzzy Logic. <i>Revista De Informatica Teorica E Aplicada</i> , 2022, 29, 54-67.	0.2	0
2233	An analytical approach for evaluating the impact of blockchain technology on sustainable supply chain performance. <i>International Journal of Production Economics</i> , 2022, 246, 108429.	5.1	71
2234	Modeling implicit bias with fuzzy cognitive maps. <i>Neurocomputing</i> , 2022, 481, 33-45.	3.5	11
2235	Relative influences and the reliability of weights in fuzzy cognitive maps. <i>Fuzzy Sets and Systems</i> , 2022, 449, 100-119.	1.6	3
2236	Quantum-Inspired Interpretable AI-Empowered Decision Support System for Detection of Early-Stage Rheumatoid Arthritis in Primary Care Using Scarce Dataset. <i>Mathematics</i> , 2022, 10, 496.	1.1	4
2237	Applying Behavioural Insights to Public Policy: An Example From Rotterdam. <i>Global Implementation Research and Applications</i> , 2022, 2, 53-66.	0.4	5





#	ARTICLE	IF	CITATIONS
2261	Reducing the Complexity of Casual Representation in Bayesian Belief Network. F1000Research, 0, 10, 1243.	0.8	0
2262	Automatic Generation of Workflows for Efficient Design Space Exploration for Cyber-Physical Systems. , 2021, , .		2
2263	Constraint reformulations for set point optimization problems using fuzzy cognitive map models. Optimal Control Applications and Methods, 0, , .	1.3	0
2264	Global stability of fuzzy cognitive maps. Neural Computing and Applications, 2023, 35, 7283-7295.	3.2	2
2265	Fuzzy Cognitive Map Decision Support for Aging in Place for the Elderly. , 2021, , .		0
2266	Rozmyte mapy kognitywne jako technika prowadzenia ustrukturyzowanej analizy systemowej w obszarze nauk o bezpieczeA,,stwie. Politeja, 2021, 18, 275-292.	0.0	1
2275	Towards Semantic-Based P2P Reputation Systems. , 0, , 101-119.		0
2276	Conflict Analysis Using Fuzzy Decision Support System. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 377-405.	0.3	0
2279	Recurrence-Aware Long-Term Cognitive Network for Explainable Pattern Classification. IEEE Transactions on Cybernetics, 2023, 53, 6083-6094.	6.2	3
2280	The Trend-Fuzzy-Granulation-Based Adaptive Fuzzy Cognitive Map for Long-Term Time Series Forecasting. IEEE Transactions on Fuzzy Systems, 2022, 30, 5166-5180.	6.5	16
2281	Generating Intelligent Remedial Materials with Genetic Algorithms and Concept Maps. Intelligent Automation and Soft Computing, 2022, 34, 1333-1349.	1.6	0
2282	Fuzzy Cognitive Map Adaptive Algorithm. , 2022, , .		1
2283	Introducing Fuzzy Cognitive Map for predicting Engineâ€™s Health Status. IFAC-PapersOnLine, 2022, 55, 246-251.	0.5	3
2284	A Decision Support Framework based on FCM for Selecting Key Performance Indicators. , 2022, , .		1
2285	Factor analysis and countermeasure simulation on the socio-ecological environment risks during the development of coalbed methane: based on the DEMATEL and FCM models. Chinese Journal of Population Resources and Environment, 2022, 20, 69-79.	1.0	2
2286	Critical success factors for implementing blockchainâ€™based circular supply chain. Business Strategy and the Environment, 2022, 31, 3595-3615.	8.5	39
2287	Banking Information Resource Cybersecurity System Modeling. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 80.	2.6	4
2288	Retail System Scenario Modeling Using Fuzzy Cognitive Maps. Information (Switzerland), 2022, 13, 251.	1.7	2

#	ARTICLE	IF	CITATIONS
2289	Analysis of University Student Cadres' Retreat Actions in China Based on K-Core Algorithm and FCM Model. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-8.	0.6	0
2290	Investigating flood resilience perceptions and supporting collective decision-making through fuzzy cognitive mapping. <i>Science of the Total Environment</i> , 2022, 837, 155854.	3.9	22
2291	Neural network based fuzzy cognitive map. <i>Expert Systems With Applications</i> , 2022, 204, 117567.	4.4	1
2292	Combined Cognitive Model for Forecasting University Activities. <i>Statistika I Ākonomika</i> , 2022, 19, 52-60.	0.5	0
2293	Urbanized knowledge syndromeĀ erosion of diversity and systems thinking in urbanitesĀ™ mental models. <i>Npj Urban Sustainability</i> , 2022, 2, .	3.7	6
2294	A new fuzzy cognitive maps classifier based on capsule network. <i>Knowledge-Based Systems</i> , 2022, 250, 108950.	4.0	10
2295	How to turn an MAS into a graphical causal model. <i>Autonomous Agents and Multi-Agent Systems</i> , 2022, 36, 1.	1.3	4
2296	Challenges of managing health centers during the Covid-19 pandemic. <i>Journal of Health Administration</i> , 2021, 24, 79-91.	0.1	2
2299	The rule of the aggregation operators in fuzzy cognitive maps. , 2017, , .		1
2300	Development of a method to improve the reliability of assessing the condition of the monitoring object in special-purpose information systems. <i>Eastern-European Journal of Enterprise Technologies</i> , 2022, 2, 6-14.	0.3	0
2301	Tech Optimization in Cybersecurity Defenses by Advanced ML Methods: The Use Case of Volleyball Industry. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-7.	1.1	1
2302	The Determinants of the Growth of the European Bioplastics SectorĀ A Fuzzy Cognitive Maps Approach. <i>Sustainability</i> , 2022, 14, 6035.	1.6	1
2303	Plithogenic cognitive analysis on instigating spiritual intelligence in smart age youth for humanity redemption. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	1
2304	Technology investigation on time series classification and prediction. <i>PeerJ Computer Science</i> , 0, 8, e982.	2.7	8
2305	Improved Decision-Making through a DEMATEL and Fuzzy Cognitive Maps-Based Framework. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-14.	0.6	2
2306	Parameter analysis for sigmoid and hyperbolic transfer functions of fuzzy cognitive maps. <i>Operational Research</i> , 2022, 22, 5733-5763.	1.3	8
2307	Long short-term cognitive networks. <i>Neural Computing and Applications</i> , 2022, 34, 16959-16971.	3.2	1
2308	Synthesis of strategies in post-COVID-19 public sector supply chains under an intuitionistic fuzzy environment. <i>Socio-Economic Planning Sciences</i> , 2023, 85, 101340.	2.5	3

#	ARTICLE	IF	CITATIONS
2311	On modeling the development of the region in conditions of high uncertainty and lack of data. Keldysh Institute Preprints, 2022, , 1-16.	0.1	0
2313	THE USE OF MODELING IN THE LEARNING PROCESS IN THE FORMATION OF THE NECESSARY COMPETENCIES. Economic Analysis, 2022, , 62-72.	0.0	0
2315	Multiobjective evolutionary algorithm IDEA and k-means clustering for modeling multidimensional medical data based on fuzzy cognitive maps. Natural Computing, 2023, 22, 601-611.	1.8	2
2316	Analyzing the effects of COVID-19 pandemic on supplier performance evaluation factors via fuzzy cognitive map with a hybrid learning system. International Journal of Emerging Markets, 2023, 18, 1289-1306.	1.3	2
2317	Understanding the organisational dynamics and ethos of local degrowth cooperatives. , 2022, 1, .		2
2318	Trademarks and Territorial Marketing: Retrospective and Prospective Analyses of the trademark Prodotti di Qualit&agrave;. Economia Agro-Alimentare, 2022, , 1-37.	0.1	1
2319	A computational cognitive model of the Iowa Gambling Task for finely characterizing decision making in methamphetamine users. Expert Systems With Applications, 2022, 205, 117795.	4.4	3
2320	The Ways of Thinking in a Sample of the Student Community of the Subjects of Structured Programming and Numerical Methods in Engineering of the UAM-Azcapotzalco within the Emerging Remote Teaching Project (PEER). International Journal of Intelligence Science, 2022, 12, 39-56.	0.6	0
2321	Fuzzy System-Based Solutions for Traffic Control in Freeway Networks Toward Sustainable Improvement. Communications in Computer and Information Science, 2022, , 288-305.	0.4	2
2322	Fuzzy Cognitive Maps Based on D-Number Theory. IEEE Access, 2022, 10, 72702-72716.	2.6	2
2323	How to Deal with Toxic People Using a Fuzzy Cognitive Map: Improving the Health and Wellbeing of the Human System. Studies in Systems, Decision and Control, 2022, , 87-107.	0.8	3
2324	Fuzzy Cognitive Mapping. , 2022, , 79-95.		3
2325	Development of the method of increasing the efficiency of information transfer in the special purpose networks. Eastern-European Journal of Enterprise Technologies, 2022, 3, 6-14.	0.3	0
2326	Reliability analysis of man&acirc;“machine systems using fuzzy cognitive mapping with genetic tuning. Risk Analysis, 2023, 43, 958-978.	1.5	1
2327	A New EWM-FCM Approach to Optimize the Allocation of Water Ecology Compensation Funds. Water Resources Management, 2022, 36, 3779-3795.	1.9	5
2328	Inferring causal networks of health care resilience and safety performance indicators: A two-stage fuzzy cognitive map approach. Socio-Economic Planning Sciences, 2022, 84, 101389.	2.5	2
2329	A new lens to the understanding and reduction of household food waste: A fuzzy cognitive map approach. Sustainable Production and Consumption, 2022, 33, 389-411.	5.7	3
2330	Investigating lane-changing moves of vehicles departing from signalized junction. Transportation Letters, 2022, 14, 1043-1055.	1.8	1

#	ARTICLE	IF	CITATIONS
2331	Incorporating Fuzzy Cognitive Inference for Vaccine Hesitancy Measuring. Sustainability, 2022, 14, 8434.	1.6	0
2332	Managing biomass in semi-arid Burkina Faso: Strategies and levers for better crop and livestock production in contrasted farm systems. Agricultural Systems, 2022, 201, 103458.	3.2	3
2333	A comprehensive analysis of the causal factors in repair, maintenance, alteration, and addition works: A novel hybrid fuzzy-based approach. Expert Systems With Applications, 2022, 208, 118112.	4.4	11
2334	Cat Swarm with Fuzzy Cognitive Maps for Automated Soil Classification. Computer Systems Science and Engineering, 2023, 44, 1419-1432.	1.9	4
2335	Deep Saliency: Visual Saliency Modeling via Deep Belief Propagation. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	3.6	4
2336	The Impact of Covid-19 Pandemic on Undergraduate Students: the Role of an Adaptive Situation-Aware Learning System. , 2022, , .		2
2337	Knowledge-oriented methodologies for causal inference relations using fuzzy cognitive maps: A systematic review. Computers and Industrial Engineering, 2022, 171, 108500.	3.4	2
2338	Evaluation of sustainable energy planning scenarios with a new approach based on FCM, WASPAS and impact effort matrix. Environment, Development and Sustainability, 0, , .	2.7	1
2339	Modeling and Experimentation Framework for Fuzzy Cognitive Maps. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	3.6	0
2340	A multicriteria decision analysis framework for developing and evaluating coastal retreat policy. Integrated Environmental Assessment and Management, 2023, 19, 83-98.	1.6	1
2341	Analyzing Greece 2010 Memorandum's Impact on Macroeconomic and Financial Figures through FCM. Economies, 2022, 10, 178.	1.2	9
2342	Sustainable Digital Servicization: Conceptual Modeling of the Car Sharing Business Model. Journal of Yaşar University, 2022, 17, 754-775.	0.1	0
2343	ReLU-FCM trained by quasi-oppositional bare bone imperialist competition algorithm for predicting employment rate. PLoS ONE, 2022, 17, e0272624.	1.1	0
2344	A clinical decision-support system for dengue based on fuzzy cognitive maps. Health Care Management Science, 2022, 25, 666-681.	1.5	15
2345	Methodological Apparatus of Cognitive Modeling of Socio-Economic System (University). Statistika I Ekonomi, 2022, 19, 71-86.	0.5	0
2346	What Prevents the Adoption of Regenerative Agriculture and What Can We Do about It? Lessons and Narratives from a Participatory Modelling Exercise in Australia. Land, 2022, 11, 1383.	1.2	3
2347	Piecewise forecasting of nonlinear time series with model tree dynamic Bayesian networks. International Journal of Intelligent Systems, 0, , .	3.3	2
2348	Broad fuzzy cognitive map systems for time series classification. Applied Soft Computing Journal, 2022, 128, 109458.	4.1	3

#	ARTICLE	IF	CITATIONS
2349	Learning large-scale fuzzy cognitive maps under limited resources. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 116, 105376.	4.3	3
2350	Comparing fuzzy cognitive maps: Methods and their applications in team communication. <i>International Journal of Industrial Ergonomics</i> , 2022, 92, 103344.	1.5	2
2351	Randomized high order fuzzy cognitive maps as reservoir computing models: A first introduction and applications. <i>Neurocomputing</i> , 2022, 512, 153-177.	3.5	2
2352	Wind power forecasting based on variational mode decomposition and high-order fuzzy cognitive maps. <i>Applied Soft Computing Journal</i> , 2022, 129, 109586.	4.1	16
2353	CyreamE: A Real-Time Situational Awareness and Decision-Making Blockchain-Based Architecture for the Energy Internet. , 2022, , 787-835.		1
2354	A Review of Medical Federated Learning: Applications in Oncology and Cancer Research. <i>Lecture Notes in Computer Science</i> , 2022, , 3-24.	1.0	15
2355	Locating Hidden Sources in Evolutionary Games Based on Fuzzy Cognitive Map. <i>Communications in Computer and Information Science</i> , 2022, , 92-106.	0.4	0
2356	Bioeconomy Towards Green Deal. Case Study of Citric Acid Production through Fuzzy Cognitive Maps. <i>Environmental and Climate Technologies</i> , 2022, 26, 684-696.	0.5	2
2357	IF3: An Interpretable Feature Fusion Framework for Lesion Risk Assessment Based on Auto-constructed Fuzzy Cognitive Maps. <i>Lecture Notes in Computer Science</i> , 2022, , 77-86.	1.0	4
2358	A Proactively Defensive Low-Level Decision Center Model of Endogenous Security. , 2022, , .		0
2359	Fuzzy Cognitive Maps Extraction from Enriched Tweets. , 2022, , .		0
2360	Time Series Processing with Cognitive Maps. The Case of General Forecast Modeling for Time Series of Similar Nature. , 2022, , .		2
2361	A Fuzzy-Cognitive-Maps Approach to Decision-Making in Medical Ethics. , 2022, , .		3
2362	Towards an Internet of Things application for the prognosis of Coronary Artery Disease using Machine Learning and Fuzzy Logic. , 2022, , .		0
2363	Normalising the Output of Fuzzy Cognitive Maps. , 2022, , .		0
2364	Fuzzy Cognitive Maps for Interpretable Image-based Classification. , 2022, , .		5
2365	A New Theory on Temporary Systems that Explains Project Behavior and Performance. , 2022, , .		0
2366	A Review of Forest Fire Combating Efforts, Challenges and Future Directions in Peninsular Malaysia, Sabah, and Sarawak. <i>Forests</i> , 2022, 13, 1405.	0.9	8

#	ARTICLE	IF	CITATIONS
2367	FCMpy: a python module for constructing and analyzing fuzzy cognitive maps. PeerJ Computer Science, 0, 8, e1078.	2.7	11
2368	Can Common Pool Resource Theory Catalyze Stakeholder-Driven Solutions to the Freshwater Salinization Syndrome?. Environmental Science & Technology, 2022, 56, 13517-13527.	4.6	7
2369	Selection of Lunar South Pole Landing Site Based on Constructing and Analyzing Fuzzy Cognitive Maps. Remote Sensing, 2022, 14, 4863.	1.8	6
2370	Genetically Trained Fuzzy Cognitive Maps for Effects Based Operations. Lecture Notes in Networks and Systems, 2023, , 185-195.	0.5	0
2371	Multi-valued cognitive maps: Calculations with linguistic variables without using numbers. Fuzzy Sets and Systems, 2023, 459, 1-21.	1.6	2
2372	Using fuzzy cognitive maps to promote nature-based solutions for water quality improvement in developing-country communities. Journal of Cleaner Production, 2022, 377, 134246.	4.6	13
2373	Identifying core "responsible leadership" practices for SME restaurants. International Journal of Contemporary Hospitality Management, 2023, 35, 419-450.	5.3	10
2374	Designing and Implementing Ecological Models in Organisation Studies: Fuzzy Cognitive Mapping Approach (FCM). Palgrave Studies in Workplace Spirituality and Fulfillment, 2022, , 159-178.	0.2	0
2375	Contributions of Industry 4.0 to resilience achievement in the context of COVID-19 pandemic. IFAC-PapersOnLine, 2022, 55, 3226-3231.	0.5	2
2376	Skipped Nonsynaptic Backpropagation for Interval-valued Long-term Cognitive Networks. Lecture Notes in Computer Science, 2022, , 3-14.	1.0	1
2377	Fuzzy Cognitive Maps as a Toll for Structuring New Research Problems. Studies in Classification, Data Analysis, and Knowledge Organization, 2022, , 3-17.	0.1	0
2378	Long-term Prediction of Time Series Based on Fuzzy Cognitive Map And Ensemble Learning. , 2022, , .		0
2379	Development of a multi-stage fuzzy cognitive map for an uncertainty environment: methods and introduction. Neural Computing and Applications, 2023, 35, 4499-4517.	3.2	3
2380	Steps Towards Modeling and Querying Based on Linguistic Fuzzy Graph Database. EAI Endorsed Transactions on Context-aware Systems and Applications, 2022, 8, e10.	0.1	0
2381	Distributed Fuzzy Cognitive Maps for Feature Selection in Big Data Classification. Algorithms, 2022, 15, 383.	1.2	4
2382	Leveraging Governance Performance to Enhance Climate Resilience. Earth's Future, 2022, 10, .	2.4	2
2383	Automatic Fuzzy Graph Construction For Interpretable Image Classification. , 2022, , .		3
2384	A large group hesitant fuzzy linguistic DEMATEL approach for identifying critical success factors in public health emergencies. Aslib Journal of Information Management, 2022, ahead-of-print, .	1.3	1

#	ARTICLE	IF	CITATIONS
2385	Energy Use Forecasting with the Use of a Nested Structure Based on Fuzzy Cognitive Maps and Artificial Neural Networks. <i>Energies</i> , 2022, 15, 7542.	1.6	6
2386	Draft-Based Learning Model to Discover Data from a Cognitive Causal Model. <i>Lecture Notes in Networks and Systems</i> , 2023, , 152-161.	0.5	1
2387	Multiparametric microsensor monitoring platform of the Enceladus Hellenic supersite: the PROÍÏÏ• project. , 2022, , .		3
2388	A Gentle Introduction to Cognitive Map Based on Input Output Linguistic Variables. <i>EAI Endorsed Transactions on Context-aware Systems and Applications</i> , 2022, 8, e11.	0.1	0
2389	Formulaci3n de caso mediante Mapas Cognitivos Borrosos. <i>Revista De Psicoterapia</i> , 2022, 33, 79-110.	0.0	1
2390	Towards improved multifactorial particle swarm optimization learning of fuzzy cognitive maps: A case study on air quality prediction. <i>Applied Soft Computing Journal</i> , 2022, 130, 109708.	4.1	5
2391	Energy-efficiency policies for decarbonising residential heating in Spain: A fuzzy cognitive mapping approach. <i>Energy Policy</i> , 2022, 171, 113211.	4.2	4
2392	A data-driven method for modeling human factors in maritime accidents by integrating DEMATEL and FCM based on HFACS: A case of ship collisions. <i>Ocean Engineering</i> , 2022, 266, 112699.	1.9	21
2393	Developing an industry 4.0 readiness model using fuzzy cognitive maps approach. <i>International Journal of Production Economics</i> , 2023, 255, 108658.	5.1	10
2394	Tailoring Cognitive Mapping Analysis Methods to Different Management Styles of Collective Action by Handling Actor Reasoning Diversity. <i>International Journal of Qualitative Methods</i> , The, 2022, 21, 160940692211374.	1.3	1
2395	Using individual-based modelling to investigate a pluralistic explanation for the prevalence of sexual reproduction in animal species. <i>Ecological Modelling</i> , 2023, 475, 110191.	1.2	0
2396	A situation awareness assessment method based on fuzzy cognitive maps. <i>Journal of Systems Engineering and Electronics</i> , 2022, 33, 1108-1122.	1.1	2
2397	Fuzzy Cognitive Maps for Intelligent Agent's Artificial Situational Awareness in Collaborative Driving Context. , 2022, , .		0
2398	An ontology DSL for the co-design of mechatronic systems. , 2022, , .		2
2399	Development of the method of complexing the results of radio monitoring and remote earth sensing. <i>Eastern-European Journal of Enterprise Technologies</i> , 2022, 5, 16-23.	0.3	0
2400	Developing the GoogleNet neural network for the detection and recognition of unmanned aerial vehicles in the Data Fusion system. <i>Eastern-European Journal of Enterprise Technologies</i> , 2022, 5, 25-33.	0.3	0
2401	Neighborhood rough cognitive networks. <i>Applied Soft Computing Journal</i> , 2022, 131, 109796.	4.1	1
2402	A Combined Approach of Fuzzy Cognitive Maps and Fuzzy Rule-Based Inference Supporting Freeway Traffic Control Strategies. <i>Mathematics</i> , 2022, 10, 4139.	1.1	3

#	ARTICLE	IF	CITATIONS
2403	Digital Transformation Success Factors Evaluation in Energy Industry. Lecture Notes in Networks and Systems, 2023, , 151-175.	0.5	0
2404	Using Strategic Options Development and Analysis (SODA) to understand the simulation accessibility problem. Journal of the Operational Research Society, 0, , 1-22.	2.1	0
2405	Modeling factors affecting the interests of the container terminal using fuzzy cognitive map and fuzzy DEMATEL. Journal of Modelling in Management, 2023, 18, 1364-1388.	1.1	2
2406	Towards Linguistic Fuzzy Topological Spaces Based on Hedge Algebra. EAI Endorsed Transactions on Context-aware Systems and Applications, 2022, 8, e12.	0.1	1
2407	An uncertainty hybrid model for risk assessment and prediction of blast-induced rock mass fragmentation. International Journal of Rock Mechanics and Minings Sciences, 2022, 160, 105250.	2.6	13
2408	Using reclaimed water to cope with water scarcity: an alternative for agricultural irrigation in Spain. Environmental Research Letters, 2022, 17, 125002.	2.2	9
2409	A fuzzy cognitive map of the quality of user experience determinants in mobile application design. Journal of Intelligent and Fuzzy Systems, 2022, , 1-23.	0.8	0
2410	Probabilistic linguistic fuzzy cognitive maps: applications to the critical factors affecting the health of rural older adults. BMC Medical Informatics and Decision Making, 2022, 22, .	1.5	1
2411	A dynamic failure mode and effects analysis for train systems failures risk assessment using FCM and prospect theory. , 2022, 1, .		1
2412	A Method of Empathy Robotics Based on Disgust. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2022, 26, 1046-1052.	0.5	0
2413	Exploration and comparative investigation on neutrosophic cognitive maps non " linear Hebbian learning algorithm in predictive model. AIP Conference Proceedings, 2022, , .	0.3	0
2414	A Non-Iterative Reasoning Algorithm for Fuzzy Cognitive Maps based on Type 2 Fuzzy Sets. Information Sciences, 2023, 622, 319-336.	4.0	7
2415	A Structural Expansion Method of Fuzzy Cognitive Map Under Cognitive Limitations. , 2022, , .		0
2416	A Comparison between Using Fuzzy Cognitive Mapping and Machine Learning to Predict Students's™ Performance in Higher Education. , 2022, , .		1
2417	Modeling of Fuzzy Cognitive Maps with a Metaheuristics-Based Rainfall Prediction System. Sustainability, 2023, 15, 25.	1.6	2
2418	Investigating Efficiency in Public Project Management: A Preliminary Analysis with the Use of Fuzzy Cognitive Maps. , 2022, , .		0
2419	The possibilities of artificial intelligence in improving the information educational space of Russian regions. , 2022, , .		0
2420	Time series forecasting using fuzzy cognitive maps: a survey. Artificial Intelligence Review, 2023, 56, 7733-7794.	9.7	10



#	ARTICLE	IF	CITATIONS
2421	Using empirical wavelet transform and high-order fuzzy cognitive maps for time series forecasting. <i>Applied Soft Computing Journal</i> , 2023, 135, 109990.	4.1	16
2422	When Governing Urban Waters Differently: Five Tenets for Socio-Environmental Justice in Urban Climate Adaptation Interventions. <i>Sustainability</i> , 2023, 15, 1598.	1.6	0
2423	Decision Support Methodology Based on Evaluation of Customer Experience and Telecommunications Operator Efficiency Indicators. <i>Proceedings of Telecommunication Universities</i> , 2023, 8, 75-81.	0.1	0
2424	Leveraging Blockchain for sustainability and supply chain resilience in e-commerce channels for additive manufacturing: A cognitive analytics management framework-based assessment. <i>Computers and Industrial Engineering</i> , 2023, 176, 108995.	3.4	7
2425	Navigating through an energy crisis: Challenges and progress towards electricity decarbonisation, reliability, and affordability in Italy. <i>Energy Research and Social Science</i> , 2023, 96, 102934.	3.0	21
2426	Pre-diagnosis Support System for Post Covid-19 Syndrome in Turkey. <i>Lecture Notes in Networks and Systems</i> , 2022, , 787-795.	0.5	1
2427	A Fuzzy Decision-Making Methodology for Assessment of Solar Energy Plant Location Selection Criteria. , 2022, , .		1
2428	Violence Detection Approach based on Cloud Data and Neutrosophic Cognitive Maps. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2022, 11, .	2.1	2
2429	Testing management scenarios for the North Sea ecosystem using qualitative and quantitative models. <i>ICES Journal of Marine Science</i> , 2023, 80, 218-234.	1.2	2
2430	Improving the method for increasing the efficiency of decision-making based on bio-inspired algorithms. <i>Eastern-European Journal of Enterprise Technologies</i> , 2022, 6, 6-13.	0.3	0
2431	Cognitive approach to the formation of a robotic system in education. <i>Informatics and Education</i> , 2023, 37, 69-74.	0.2	1
2432	Extending Neuro-fuzzy Techniques with Grey-Based Hybridisation. , 2023, , 81-91.		0
2433	An FCM Approach to Achieve Near Zero-CO2 Urban Mobility: The Case of Larissa, Greece. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2023, , 1724-1735.	0.3	0
2434	Delphi-based future scenarios: A bibliometric analysis of climate change case studies. <i>Futures</i> , 2023, 149, 103143.	1.4	5
2435	Choosing modelling approaches for participatory food governance in city-regions. <i>Comprehensive guidelines for a system-perspective selection. Environmental Science and Policy</i> , 2023, 145, 139-150.	2.4	2
2436	Geo-information-enabled village level micro-planning for enhancing common good. <i>Technological Forecasting and Social Change</i> , 2023, 189, 122336.	6.2	0
2437	The social-ecological system of the Kenai River Fishery (Alaska, USA). <i>Journal of Environmental Management</i> , 2023, 331, 117314.	3.8	3
2438	A Study of Quality in Primary Education Combined Disjoint Block Neutrosophic Cognitive Maps (CDBNCM). <i>International Journal of Business Intelligents</i> , 2016, 5, .	0.1	0

#	ARTICLE	IF	CITATIONS
2439	Applicability of the Future State Maximization Paradigm to Agent-Based Modeling: A Case Study on the Emergence of Socially Sub-Optimal Mobility Behavior. <i>Systems</i> , 2023, 11, 105.	1.2	1
2440	From "prepare for the unknown" to "train for what's coming": A digital twin-driven and cognitive training approach for the workforce of the future in smart factories. <i>Journal of Industrial Information Integration</i> , 2023, 32, 100437.	4.3	5
2441	Promoting Expert Knowledge for Comprehensive Human Risk Management in Industrial Environments. <i>Springer Series in Reliability Engineering</i> , 2023, , 135-162.	0.3	0
2442	An Integrated Scheme of the Data-Driven Multi-Block FCMs for Modeling the Steady Turning Motion of Motorboats. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 442.	1.2	0
2443	Fuzzy logic for situation awareness: a systematic review. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , .	3.3	5
2444	Modelling network effects of biological control: the case of the Philippine coconut scale insect outbreak. <i>BioControl</i> , 2023, 68, 117-130.	0.9	1
2445	Supplier selection in the industry 4.0 era by using a fuzzy cognitive map and hesitant fuzzy linguistic VIKOR methodology. <i>Environmental Science and Pollution Research</i> , 2023, 30, 52923-52942.	2.7	9
2446	New frontiers in the risk assessment of ship collision. <i>Ocean Engineering</i> , 2023, 274, 113999.	1.9	9
2447	Neural network based formation of cognitive maps of semantic spaces and the putative emergence of abstract concepts. <i>Scientific Reports</i> , 2023, 13, .	1.6	6
2448	Mathematical Aspects of the Concept of Influence in Cognitive Simulations. <i>Scientific and Technical Information Processing</i> , 2022, 49, 350-355.	0.3	0
2449	Fuzzy Cognitive Maps: Their Role in Explainable Artificial Intelligence. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 3412.	1.3	5
2450	The Paradigm of an Explainable Artificial Intelligence (XAI) and Data Science (DS)-Based Decision Support System (DSS). <i>Studies in Computational Intelligence</i> , 2023, , 167-209.	0.7	0
2451	Optimizing Urban Resilience via FCM and Participatory Modeling: The Case of Joensuu Finland. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2023, , 1828-1839.	0.3	0
2452	Implementing bargaining game-based fuzzy cognitive map and mixed-motive games for group decisions in the healthcare supplier selection. <i>Artificial Intelligence Review</i> , 2023, 56, 11739-11772.	9.7	0
2453	Fuzzy Photogrammetric Algorithm for City Built Environment Capturing into Urban Augmented Reality Model. <i>Artificial Intelligence</i> , 0, , .	2.0	2
2454	Assessing high school students' perceptions and preferences for aquaculture versus wild-caught seafood: The case of Oahu, Hawaii. <i>Journal of the World Aquaculture Society</i> , 2023, 54, 801-813.	1.2	1
2455	Modelling Stakeholders' Knowledge and Perception in a Fuzzy Cognitive Map: The Case of the Extra-Virgin Olive Oil (EVOO) Value Chain in Central Italy. <i>Sustainability</i> , 2023, 15, 6236.	1.6	0
2457	Hybrid fuzzy arithmetic-based model for determining contingency reserve. <i>Automation in Construction</i> , 2023, 151, 104858.	4.8	1

#	ARTICLE	IF	CITATIONS
2460	MENTA: how to balance authorial intention and user agency in virtual environments. , 2022, , .		0
2462	Urban River Restoration, a Scenario for Copenhagen. Water Security in A New World, 2023, , 347-365.	0.1	0
2469	Neutrosophic Cognitive Impact Study on Role Transformation of Teachers to Facilitators. Advances in Data Mining and Database Management Book Series, 2023, , 215-234.	0.4	0
2472	Risk Management in Bank: Fuzzy Inference Based Process Model. Studies in Fuzziness and Soft Computing, 2023, , 351-360.	0.6	0
2484	Machine learning and fuzzy cognitive maps in a hybrid approach toward freeway on-ramp traffic control. , 2023, , .		0
2489	An application of fuzzy linguistic cognitive maps using max-min operations. AIP Conference Proceedings, 2023, , .	0.3	0
2497	Convergent Fuzzy Cognitive Modelling of Regional Youth Policy Strategy. Lecture Notes in Networks and Systems, 2023, , 911-921.	0.5	1
2501	Evaluating the Impact of Risk Component in Supply Chain Management Using Intuitionistic Fuzzy Cognitive Map. Lecture Notes in Networks and Systems, 2023, , 480-487.	0.5	0
2502	Analysis of the Factors Behind the Value of an Agency for an Airline. Lecture Notes in Networks and Systems, 2023, , 457-464.	0.5	0
2504	A Fuzzy Cognitive Map Learning Approach for Coronary Artery Disease Diagnosis in Nuclear Medicine. Lecture Notes in Computer Science, 2023, , 14-25.	1.0	1
2505	Root Cause Analysis with Fuzzy Cognitive Maps and Correlation Coefficient. Lecture Notes in Computer Science, 2023, , 174-184.	1.0	0
2509	Exploration of airship engine collapse using dodecagonal fuzzy numbers. AIP Conference Proceedings, 2023, , .	0.3	0
2517	Effective Collaborative Decision-Making Includes Stakeholder Analysis and Communication. AESS Interdisciplinary Environmental Studies and Sciences Series, 2023, , 103-123.	0.2	0
2524	Artificial Intelligence for Understanding Human Behavior and Psychology. , 2023, , 15-28.		2
2525	The Interaction and Convergence of the Internet of Things and Artificial Intelligence. , 2023, , 1-13.		0
2526	Approach to the Selection of Significant Parameters for Diagnostics of Complex Technical Systems Using Soft Computing. Lecture Notes in Networks and Systems, 2023, , 334-342.	0.5	0
2528	Soft computing algorithms for infrastructure monitoring: preliminary results of PROION project. , 2023, , .		1
2529	Developing and Accessing Policies in Maritime Education Using Multicriteria Analysis and Fuzzy Cognitive Map Models. Lecture Notes in Networks and Systems, 2023, , 247-255.	0.5	0

#	ARTICLE	IF	CITATIONS
2533	Multivariate Travel Time Forecasting in a Traffic Network Using Fuzzy Cognitive Mapping. , 2023, , .		0
2537	Strategien zur Transformation der Produktionsumgebung. , 2017, , 213-256.		0
2538	Business Process Optimization of Technological Map in Farm Management System. Communications in Computer and Information Science, 2023, , 171-190.	0.4	0
2549	Fitting Weights up to the Second Order in Multi-Valued Cognitive Maps. Aircraft Control Mode Selection. , 2023, , .		0
2551	Classification of Time Series Using FCM-Based Forecasting Models. , 2023, , .		0
2552	Towards the Interpretation of Multi-Label Image Classification Using Transformers and Fuzzy Cognitive Maps. , 2023, , .		0
2553	Fuzzy Cognitive Maps and Hidden Markov Models: Comparative Analysis of Efficiency within the Confines of the Time Series Classification Task. , 2023, , .		0
2554	Time Series Classification Based on Fuzzy Cognitive Maps and Multi-Class Decomposition with Ensembling. , 2023, , .		0
2558	Towards Explainable AI Validation in Industry 4.0: A Fuzzy Cognitive Map-based Evaluation Framework for Assessing Business Value. , 2023, , .		0
2560	Prediction of Boiler Heat-Conducting Oil Temperature Based on Multi-Modality Fuzzy Cognitive Maps. , 2023, , .		0
2563	Evaluation of the Level of Digital Transformation in MSMEs Using Fuzzy Cognitive Maps Based on Experts. , 2023, , .		0
2565	Introduction to Fuzzy Cognitive Maps. Studies in Fuzziness and Soft Computing, 2024, , 1-13.	0.6	0
2566	Fuzzy Cognitive Maps: Mathematical Challenges. Studies in Fuzziness and Soft Computing, 2024, , 95-103.	0.6	0
2567	Deep Fuzzy Cognitive Map methodology for Non-Small Cell Lung Cancer diagnosis based on Positron Emission Tomography imaging. , 2023, , .		0
2568	Optimization of University Operations By The Means Of Fuzzy Cognitive Maps. , 2023, , .		0
2569	An Overview of Making Decisions on Medical Problems Using Fuzzy Cognitive Maps. , 2023, , .		1
2575	Metacognition, Accountability and Legal Personhood of AI. Law, Governance and Technology Series, 2024, , 169-185.	0.3	0
2584	Measuring Implicit Bias Using SHAP Feature Importance and Fuzzy Cognitive Maps. Lecture Notes in Networks and Systems, 2024, , 745-764.	0.5	0

#	ARTICLE	IF	CITATIONS
2590	Representation of Expert Knowledge on Product Design Problems Using Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2024, , 385-396.	1.0	0
2593	Defining and Using Fuzzy Cognitive Mapping. , 2024, , 1-18.		0
2595	A Multiphase Liquid-Gas Plant Modelling Using Fuzzy Cognitive Maps: An Application to an Actual Experimental Plant. , 2023, , .		0
2596	A Data-Driven Knowledge System for Anomaly Detection in the Oil & Gas Industry. , 2023, , .		0
2598	Airlines™ Low-Demand Risk Management Implications of COVID-19 Crisis-Induced Immobility Utilizing Big Data. Springer Proceedings in Business and Economics, 2024, , 23-33.	0.3	0
2600	Reputational Crisis Risk Management: The Immediate Effect of a Plane Crash on Airlines™ Digital Branding. Springer Proceedings in Business and Economics, 2024, , 35-44.	0.3	0
2601	The COVID-19 Crisis Effect on Railways™ Digital Branding: Risk Management Applications Utilizing Big Data. Springer Proceedings in Business and Economics, 2024, , 57-67.	0.3	0
2604	Fuzzy Cognitive Maps, Extensions and Applicability as an Explanatory Artificial Intelligence Model. Studies in Computational Intelligence, 2024, , 29-56.	0.7	0
2605	FCM-Enabled Approach for Investigating Interdependencies of BIM Performance Factors in the Sustainable Built Environment. Proceedings E Report, 0, , 585-593.	0.0	0
2607	FCM-Enabled Approach for Investigating Interdependencies of BIM Performance Factors in the Sustainable Built Environment. Proceedings E Report, 0, , 585-593.	0.0	0