Hani Hagras

List of Publications by Citations

196 papers	5,043 citations	33 h-index	67 g-index
243 ext. papers	6,100 ext. citations	4.6 avg, IF	6.34 L-index

#	Paper	IF	Citations
196	A hierarchical type-2 fuzzy logic control architecture for autonomous mobile robots. *IEEE Transactions on Fuzzy Systems*, **2004**, 12, 524-539	8.3	704
195	Type-2 FLCs: A New Generation of Fuzzy Controllers. *IEEE Computational Intelligence Magazine*, **2007**, 2, 30-43	5.6	304
194	A Historical Account of Types of Fuzzy Sets and Their Relationships. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 179-194	8.3	285
193	Toward General Type-2 Fuzzy Logic Systems Based on zSlices. *IEEE Transactions on Fuzzy Systems*, **2010**, 18, 637-660	8.3	285
192	A fuzzy embedded agent-based approach for realizing ambient intelligence in intelligent inhabited environments. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2005** , 35, 55-65		179
191	. *IEEE Intelligent Systems*, **2004**, 19, 12-20	4.2	169
190	What Computing with Words Means to Me [Discussion Forum]. *IEEE Computational Intelligence Magazine*, **2010**, 5, 20-26	5.6	153
189	Interval Type-2 Fuzzy Logic Congestion Control for Video Streaming Across IP Networks. *IEEE Transactions on Fuzzy Systems*, **2009**, 17, 1123-1142	8.3	108
188	An Incremental Adaptive Life Long Learning Approach for Type-2 Fuzzy Embedded Agents in Ambient Intelligent Environments. *IEEE Transactions on Fuzzy Systems*, **2007**, 15, 41-55	8.3	104
187	Interval Type-2 Fuzzy Sets are Generalization of Interval-Valued Fuzzy Sets: Toward a Wider View on Their Relationship. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 1876-1882	8.3	102
186	. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 973-990	8.3	101
185	Towards the Wide Spread Use of Type-2 Fuzzy Logic Systems in Real World Applications. *IEEE Computational Intelligence Magazine*, **2012**, 7, 14-24	5.6	99
184	Toward Human-Understandable, Explainable AI. *Computer*, **2018**, 51, 28-36	1.6	98
183	A Survey of Artificial Intelligence Techniques Employed for Adaptive Educational Systems within E-Learning Platforms. *Journal of Artificial Intelligence and Soft Computing Research*, **2017**, 7, 47-64	5.1	91
182	. *IEEE Transactions on Fuzzy Systems*, **2010**,	8.3	69
181	Multiobjective Evolutionary Optimization of Type-2 Fuzzy Rule-Based Systems for Financial Data Classification. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 249-264	8.3	66
180	Big BangBig Crunch optimization based interval type-2 fuzzy PID cascade controller design strategy. *Information Sciences*, **2014**, 282, 277-295	7.7	66

179	**2014**,		64
178	A Self-Tuning zSlices-Based General Type-2 Fuzzy PI Controller. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 991-1013	8.3	63
177	Diet assessment based on type-2 fuzzy ontology and fuzzy markup language. *International Journal of Intelligent Systems*, **2010**, 25, 1187-1216	8.4	62
176	A type-2 fuzzy embedded agent to realise ambient intelligence in ubiquitous computing environments. *Information Sciences*, **2005**, 171, 309-334	7.7	59
175	A Fuzzy Logic-Based System for Indoor Localization Using WiFi in Ambient Intelligent Environments. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 702-718	8.3	56
174	**2006**,		54
173	Comments on "Dynamical optimal training for interval type-2 fuzzy neural network (T2FNN)". *IEEE Transactions on Systems, Man, and Cybernetics*, **2006**, 36, 1206-9		51
172	. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 101-116	8.3	50
171	A Genetic Algorithm Based Architecture for Evolving Type-2 Fuzzy Logic Controllers for Real World Autonomous Mobile Robots. *IEEE International Conference on Fuzzy Systems*, **2007**,		47
170	. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 459-476	8.3	46
169	A hierarchical fuzzy□genetic multi-agent architecture for intelligent buildings online learning, adaptation and control. *Information Sciences*, **2003**, 150, 33-57	7.7	45
168	zSlices □towards bridging the gap between interval and general type-2 fuzzy logic **2008**,		41
167	Inhabited Intelligent Environments. *BT Technology Journal*, **2004**, 22, 233-247		40
166	Learning and adaptation of an intelligent mobile robot navigator operating in unstructured environment based on a novel online Fuzzy□genetic system. *Fuzzy Sets and Systems*, **2004**, 141, 107-160	3.7	39
165	A multi-objective genetic type-2 fuzzy logic based system for mobile field workforce area optimization. *Information Sciences*, **2016**, 329, 390-411	7.7	33
164	Persim - Simulator for Human Activities in Pervasive Spaces **2011**,		33
163	Novel Levenberg□Marquardt based learning algorithm for unmanned aerial vehicles. *Information Sciences*, **2017**, 417, 361-380	7.7	32
162	Embedding Computational Intelligence in Pervasive Spaces. *IEEE Pervasive Computing*, **2007**, 6, 85-89	1.3	32

161	A fuzzy logic-based system for the automation of human behavior recognition using machine vision in intelligent environments. *Soft Computing*, **2015**, 19, 499-506	3.5	31
160	Towards a linear general type-2 fuzzy logic based approach for computing with words. *Soft Computing*, **2013**, 17, 2203-2222	3.5	31
159	Type-2 Fuzzy Logic Controllers: A Way Forward for Fuzzy Systems in Real World Environments **2008** , 181-200		31
158	A genetic type-2 fuzzy logic based system for the generation of summarised linguistic predictive models for financial applications. *Soft Computing*, **2013**, 17, 2185-2201	3.5	30
157	Online Learning and Adaptation of Autonomous Mobile Robots for Sustainable Agriculture. *Autonomous Robots*, **2002**, 13, 37-52	3	28
156	Adaptive Non-singleton Type-2 Fuzzy Logic Systems: A Way Forward for Handling Numerical Uncertainties in Real World Applications. *International Journal of Computers, Communications and Control*, **2014**, 6, 503	3.6	27
155	Analysis of the performances of type-1, self-tuning type-1 and interval type-2 fuzzy PID controllers on the Magnetic Levitation system **2014**,		26
154	Outdoor mobile robot learning and adaptation. *IEEE Robotics and Automation Magazine*, **2001**, 8, 53-69	3.4	26
153	Toward a Fuzzy Logic System Based on General Forms of Interval Type-2 Fuzzy Sets. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 2381-2395	8.3	25
152	An intelligent agent based approach for energy management in commercial buildings **2008**,		24
151	Employing zSlices based general type-2 fuzzy sets to model multi level agreement **2011**,		23
150	An interval type-2 fuzzy logic based framework for reputation management in Peer-to-Peer e-commerce. *Information Sciences*, **2016**, 333, 88-107	7.7	21
149	A type 2-hesitation fuzzy logic based multi-criteria group decision making system for intelligent shared environments. *Soft Computing*, **2014**, 18, 1305-1319	3.5	21
148	Evolving Type-2 Fuzzy Logic Controllers for Autonomous Mobile Robots **2007**, 16-25		21
147	On comparing non-singleton type-1 and singleton type-2 fuzzy controllers for a nonlinear servo system **2011**,		20
146	A type-2 fuzzy logic controller for autonomous mobile robots		20
145	. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 306-329	8.3	19
144	A type-2 fuzzy logic recommendation system for adaptive teaching. *Soft Computing*, **2017**, 21, 965-979	3.5	19

143	Comments on Interval Type-2 Fuzzy Sets are Generalization of Interval-Valued Fuzzy Sets: Towards a Wide View on Their Relationship *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 249-250	8.3	18
142	A NOVEL GENETIC FUZZY MARKUP LANGUAGE AND ITS APPLICATION TO HEALTHY DIET ASSESSMENT. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2012**, 20, 247-278	0.8	18
141	Detection Of Normal and Novel Behaviours In Ubiquitous Domestic Environments. *Computer Journal*, **2010**, 53, 142-151	1.3	17
140	Towards a general type-2 fuzzy logic approach for Computing With Words using linear adjectives **2012**,		17
139	An adaptive fuzzy logic based system for improved knowledge delivery within intelligent E-Learning platforms **2013**,		16
138	. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 2312-2326	8.3	15
137	Modeling and predicting execution time of scientific workflows in the Grid using radial basis function neural network. *Cluster Computing*, **2017**, 20, 2805-2819	2.1	15
136	A Big Bang–Big Crunch Type-2 Fuzzy Logic System for Machine-Vision-Based Event Detection and Summarization in Real-World Ambient-Assisted Living. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1307-1319	8.3	14
135	Join and Meet Operations for Type-2 Fuzzy Sets With Nonconvex Secondary Memberships. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1000-1008	8.3	14
134	Dynamic Profile-Selection for zSlices based type-2 fuzzy agents controlling multi-user Ambient Intelligent Environments **2012**,		14
133	Employing computational intelligence to generate more intelligent and energy efficient living spaces. *International Journal of Automation and Computing*, **2008**, 5, 1-9	3.5	14
132	. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 783-794	8.3	14
131	Employing Type-2 Fuzzy Logic Systems in the Efforts to Realize Ambient Intelligent Environments [Application Notes]. *IEEE Computational Intelligence Magazine*, **2015**, 10, 44-51	5.6	13
130	A big bang-big crunch optimization based approach for interval type-2 fuzzy PID controller design **2013**,		11
129	An adaptive learning fuzzy logic system for indoor localisation using Wi-Fi in Ambient Intelligent Environments **2012**,		11
128	An approach for the generation and adaptation of zSlices based general type-2 fuzzy sets from interval type-2 fuzzy sets to model agreement with application to Intelligent Environments **2010**,		11
127	A type-2 nonsingleton type-2 fuzzy logic system to handle linguistic and numerical uncertainties in real world environments **2011**,		11
126	Users-Centric Adaptive Learning System Based on Interval Type-2 Fuzzy Logic for Massively Crowded E-Learning Platforms. *Journal of Artificial Intelligence and Soft Computing Research*, **2016**, 6, 81-101	5.1	11

125	. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 502-514	8.3	10
124	An experience based linear general type-2 fuzzy logic approach for Computing With Words **2013**,		10
123	The Intelligent Classroom: Towards an Educational Ambient Intelligence Testbed **2010**,		10
122	zSlices based general type-2 FLC for the control of autonomous mobile robots in real world environments **2009**,		10
121	Intelligent learning and control of autonomous robotic agents operating in unstructured environments. *Information Sciences*, **2002**, 145, 1-12	7.7	10
120	A hybrid approach for Multi-Criteria Group Decision Making based on interval type-2 fuzzy logic and Intuitionistic Fuzzy evaluation **2012**,		9
119	Genetic fuzzy markup language for game of NoGo. *Knowledge-Based Systems*, **2012**, 34, 64-80	7.3	9
118	zSlices Based General Type-2 Fuzzy Sets and Systems. *Studies in Fuzziness and Soft Computing*, **2013**, 65-80	7	9
117	Developing a type-2 FLC through embedded type-1 FLCs **2008**,		9
116	ATRACO: Adaptive and Trusted Ambient Ecologies **2008**,		9
115	Furthering Service 4.0: Harnessing Intelligent Immersive Environments and Systems. *IEEE Systems, Man, and Cybernetics Magazine*, **2018**, 4, 20-31	1.6	8
114	A Gradient Descent based online tuning Mechanism for PI Type Single input Interval Type-2 fuzzy logic controllers **2015**,		8
113	A genetic type-2 fuzzy logic based approach for the optimal allocation of mobile field engineers to their working areas **2015**,		8
112	An interval type-2 fuzzy logic based system with user engagement feedback for customized knowledge delivery within intelligent E-learning platforms **2014**,		8
111	A type-2 fuzzy embedded agent for ubiquitous computing environments		8
110	Hybrid Deep Learning Type-2 Fuzzy Logic Systems For Explainable AI **2020**,		8
109	A hybrid interval type-2 semi-supervised possibilistic fuzzy c-means clustering and particle swarm optimization for satellite image analysis. *Information Sciences*, **2021**, 548, 398-422	7.7	8
108	A Fuzzy Logic-Based Retrofit System for Enabling Smart Energy-Efficient Electric Cookers. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 1984-1997	8.3	7

107	A Type-2 Fuzzy Logic based system for linguistic summarization of video monitoring in indoor intelligent environments **2014**,		7
106	A general type-2 fuzzy logic approach for adaptive modeling of perceptions for Computing With Words **2012**,		7
105	A multi-society-based intelligent association discovery and selection for ambient intelligence environments. *ACM Transactions on Autonomous and Adaptive Systems*, **2010**, 5, 1-34	1.2	7
104	A type-2 fuzzy logic based model for renewable wind energy generation **2010**,		7
103	A fuzzy based verification agent for the Persim human activity simulator in Ambient Intelligent Environments **2010**,		7
102	Fuzzy Composite Concepts based on human reasoning **2010**,		7
101	Uncertainty and type-2 fuzzy sets and systems **2010**,		7
100	Towards comparing adaptive type-2 input based non-singleton type-2 FLS and non-singleton FLSs employing Gaussian inputs **2012**,		7
99	Intelligent association selection of embedded agents in intelligent inhabited environments. *Pervasive and Mobile Computing*, **2007**, 3, 117-157	3.5	7
98	Parallel Type-2 Fuzzy Logic Co-Processors for Engine Management **2007**,		7
97	Towards the detection of temporal behavioural patterns in intelligent environments **2006**,		7
96	A genetic interval type-2 fuzzy logic-based approach for generating interpretable linguistic models for the brain P300 phenomena recorded via brain□omputer interfaces. *Soft Computing*, **2015**, 19, 1019-1035	2.5	6
95	A Computing with Words Framework for Ambient Intelligence **2013**,		6
94	A hybrid approach to modeling input variables in non-singleton type-2 Fuzzy Logic Systems **2010**,		6
93	A neuro-fuzzy based agent for group decision support in applicant ranking within human resources systems **2009**,		6
92	An adaptive type-2 input based nonsingleton type-2 Fuzzy Logic System for real world applications **2011**,		6
91	A Novel Type-2 Fuzzy Ontology and Its Application to Diet Assessment **2009**,		6
90	A type-2 fuzzy based system for handling the uncertainties in group decisions for ranking job applicants within Human Resources systems **2008**,		6

89	Automated Discovery of Human Activities inside Pervasive Living Spaces **2006**,		6
88	Enhancing Field Service Operations via Fuzzy Automation of Tactical Supply Plan **2013**, 101-114		6
87	Interval Type-2 Fuzzy Logic Based Stacked Autoencoder Deep Neural Network For Generating Explainable AI Models in Workforce Optimization **2018**,		6
86	Effective Brain Connectivity for fNIRS with Fuzzy Cognitive Maps in Neuroergonomics. *IEEE Transactions on Cognitive and Developmental Systems*, **2020**, 1-1	3	5
85	An Interval Type-2 Fuzzy Logic System for Human Silhouette Extraction in Dynamic Environments. *Lecture Notes in Computer Science*, **2012**, 126-134	0.9	5
84	An Interval Type-2 Fuzzy Logic Based System for Customised Knowledge Delivery within Pervasive E-Learning Platforms **2013**,		5
83	Data generated type-2 fuzzy logic model for control of wind turbines **2010**,		5
82	An evolutionary algorithm for the off-line data driven generation of fuzzy controllers for intelligent buildings		5
81	Online Learning and Adaptation for Intelligent Embedded Agents Operating in Domestic Environments. *Studies in Fuzziness and Soft Computing*, **2003**, 293-322	0.7	5
80	A zSlices-based general type-2 fuzzy logic system for users-centric adaptive learning in large-scale e-learning platforms. *Soft Computing*, **2017**, 21, 6859-6880	3.5	4
79	A genetic interval type-2 fuzzy logic based approach for operational resource planning **2013**,		4
78	A Genetic Type-2 fuzzy logic based system for financial applications modelling and prediction **2013**,		4
77	TWMAN+: A Type-2 fuzzy ontology model for malware behavior analysis **2012**,		4
76	A general type-2 fuzzy logic based approach for Multi-Criteria Group Decision Making **2013**,		4
75	Towards general forms of interval type-2 fuzzy logic systems **2016**,		4
74	A Multi-Agent Architecture for the Design of Hierarchical Interval Type-2 Beta Fuzzy System. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 1174-1188	8.3	4
73	A Big-Bang Big-Crunch Type-2 Fuzzy Logic System for Generating Interpretable Models in Workforce Optimization **2018**,		4
72	Explainable artificial intelligence based analysis for interpreting infant fNIRS data in developmental cognitive neuroscience. *Communications Biology*, **2021**, 4, 1077	6.7	4

71	A type-2 fuzzy logic system for engineers estimation in the workforce allocation domain **2017**,		3
70	A Genetic Algorithm Based System for Simultaneous Optimisation of Workforce Skills and Teams. *KI - Kunstliche Intelligenz*, **2018**, 32, 245-260	1.8	3
69	A big-bang big-crunch Type-2 Fuzzy Logic based system for soccer video scene classification **2016**,		3
68	Depicting Decision-Making: A Type-2 Fuzzy Logic Based Explainable Artificial Intelligence System for Goal-Driven Simulation in the Workforce Allocation Domain **2019**,		3
67	Employing an interval type-2 fuzzy logic and hesitation index in a Multi Criteria Group Decision Making system for lighting level selection in an intelligent environment **2013**,		3
66	**2012**,		3
65	Using a fuzzy agent in modeling lead-acid battery operating in grid connected wind energy conversion systems **2010**,		3
64	A fuzzy based hierarchical coordination and control system for a robotic agent team in the robot Hockey competition **2010**,		3
63	FollowMe: The Persistent GUI **2011**,		3
62	An Adaptive Genetic-Based Incremental Architecture for the On-Line Coordination of Embedded Agents. *Cognitive Computation*, **2009**, 1, 300-326	4.4	3
61	Intelligent energy management strategy for decentralized battery storage in grid connected wind energy conversion systems **2011**,		3
60	A type2 Fuzzy Logic System for workforce management in the telecommunications domain **2012**,		3
59	A fuzzy logic approach for learning daily human activities in an Ambient Intelligent Environment **2012**,		3
58	**2009**,		3
57	Ambient intelligence - knowledge representation, processing and distribution in intelligent inhabited environments **2006**, v2:51		3
56	Autonomous computational intelligence-based behaviour recognition in security and surveillance **2018**,		3
55	An Architecture That Supports Task-Centered Adaptation In Intelligent Environments **2009**, 41-66		3
54	A many-objective genetic type-2 fuzzy logic system for the optimal allocation of mobile field engineers **2016**,		3

53	A cloud computing based many objective type-2 fuzzy logic system for mobile field workforce area optimization. *Memetic Computing*, **2016**, 8, 269-286	3.4	3
52	Novel Intuitionistic Based Interval Type-2 Fuzzy Similarity Measures with Application to Clustering. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	3
51	Employing Machine Learning Techniques for the Malaria Epidemic Prediction in Ethiopia **2018**,		3
50	Towards Developing Type 2 Fuzzy Logic Diet Recommendation System for Diabetes **2018**,		3
49	Explainable AI and Fuzzy Logic Systems. *Lecture Notes in Computer Science*, **2018**, 3-20	0.9	3
48	A neuro fuzzy embedded agent approach towards the development of an intelligent refrigerator **2013**,		2
47	The non-singleton fuzzification operation for general forms of interval type-2 fuzzy logic systems **2017**,		2
46	An interval type-2 fuzzy logic based system for improved instruction within intelligent e-learning platforms **2015**,		2
45	Employing an Enhanced Interval Approach to encode words into Linear General Type-2 fuzzy sets for Computing With Words applications **2015**,		2
44	Emerging and adaptive fuzzy logic based behaviours in activity sphere centred ambient ecologies. *Pervasive and Mobile Computing*, **2012**, 8, 500-521	3.5	2
43	An Interval Type-2 Fuzzy Logic System for the Modeling and Prediction of Financial Applications. *Lecture Notes in Computer Science*, **2012**, 95-105	0.9	2
42	. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 397-398	8.3	2
41	A Big Bang-Big Crunch Optimization for a Type-2 Fuzzy Logic Based Human Behaviour Recognition System in Intelligent Environments **2013**,		2
40	Decloaking Big Brother: Demonstrating Intelligent Environments **2010**,		2
39	A Formal Model for Space Based Ubiquitous Computing **2011**,		2
38	Fuzzy Markup Language for game of NoGo **2011**,		2
37	A Pervasive System Architecture That Supports Adaptation Using Agents and Ontologies **2009**,		2
36	Life Long Learning Approach for Type-2 Fuzzy Embedded Agents in Ambient Intelligent Environments **2006**,		2

35	Optimization strategies for parametric analysis of thin-film reflectivity spectra. *IEEE Transactions on Instrumentation and Measurement*, **2003**, 52, 1635-1639	5.2	2
34	User interaction in a shared information space - a pervasive environment for the home **2005**,		2
33	Tactical Resource Planner for Workforce Allocation in Telecommunications. *Lecture Notes in Computer Science*, **2012**, 87-94	0.9	2
32	A Fuzzy Logic based system for Mixed Reality assistance of remote workforce **2016**,		2
31	An evolutionary optimization based interval type-2 fuzzy classification system for human behaviour recognition and summarisation **2016**,		2
30	Semi-tacit Adaptation of Intelligent Environments. *IFIP Advances in Information and Communication Technology*, **2009**, 423-429	0.5	2
29	A Type-2 Fuzzy Logic Approach for Multi-Criteria Group Decision Making. *Studies in Big Data*, **2015**, 123-164	0.9	1
28	Recognition of complex human behaviours using 3D imaging for intelligent surveillance applications **2016**,		1
27	A general type-2 Fuzzy Logic based Multi-Criteria group decision making for lighting level selection in an intelligent environment **2013**,		1
26	An Ambient Intelligent and Energy Efficient Food Preparation System Using Linear General Type-2 Fuzzy Logic Based Computing with Words Framework [Application Notes]. *IEEE Computational Intelligence Magazine*, **2015**, 10, 66-78	5.6	1
25	An Adaptive Ambient Intelligent Platform for Recommending Recipes Using Computing with Words **2014**,		1
24	Performance evaluation of interval type-2 and online rule weighing based Type-1 Fuzzy PID controllers on a pH process **2014**,		1
23	Interpreting fuzzy set operations and Multi Level Agreement in a Computing with Words context **2011**,		1
22	Multidimensional Pervasive Adaptation into Ambient Intelligent Environments **2009**,		1
21	A Fuzzy Based Architecture for Learning Relevant Embedded Agents Associations in Ambient Intelligent Environments. *IEEE International Conference on Fuzzy Systems*, **2007**,		1
20	Evolving Type-2 Fuzzy Agents for Ambient Intelligent Environments **2006**,		1
19	A Hybrid Fuzzy Football Scenes Classification System for Big Video Data **2019**, 299-318		1
18	Hierarchical Type-2 Fuzzy Logic Based Real Time Dynamic Operational Planning System **2014**, 255-267		1

17	Privacy-Preserving Gesture Recognition with Explainable Type-2 Fuzzy Logic Based Systems **2020**,		1
16	Towards Gamers Experience Level Decoding with Optical Brain Imaging **2019**,		1
15	Interval Type-2 Beta Fuzzy Near Sets Approach to Content-Based Image Retrieval. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	1
14	Enabling Field Force Operational Sustainability: A Big Bang-Big Crunch Type-2 Fuzzy Logic System for Goal-Driven Simulation **2018**,		1
13	Improving Goal-Driven Simulation Performance Using Fuzzy Membership Correlation Analysis **2018**,		1
12	**2018**,		1
11	Towards Understanding Human Functional Brain Development With Explainable Artificial Intelligence: Challenges and Perspectives. *IEEE Computational Intelligence Magazine*, **2022**, 17, 16-33	5.6	0
10	An explainable artificial intelligence approach for decoding the enhancer histone modifications code and identification of novel enhancers in Drosophila. *Genome Biology*, **2021**, 22, 308	18.3	0
9	Adding Intelligence to Ubiquitous Computing Environments. *Studies in Computational Intelligence*, **2007**, 61-102	0.8	0
8	Towards a Framework for Singleton General Forms of Interval Type-2 Fuzzy Systems. *Lecture Notes in Computer Science*, **2017**, 3-26	0.9	
7	Novel Approaches to Artefact Adaptation in Ambient Intelligent Environments **2016**, 165-219		
6	A Type-2 FML-Based Fuzzy Ontology for Dietary Assessment. *Studies in Fuzziness and Soft Computing*, **2013**, 149-168	0.7	
5	Egypt Chapter Report [Family Corner]. *IEEE Computational Intelligence Magazine*, **2009**, 4, 13-16	5.6	
4	Introduction to Type-2 Fuzzy Logic Controllers. *The Electrical Engineering Handbook*, **2011**, 1-16		
3	The Tailored Fabric of Intelligent Environments. *Studies in Computational Intelligence*, **2013**, 321-344	0.8	
2	Applying FML-Based Fuzzy Ontology to University Assessment. *Studies in Fuzziness and Soft Computing*, **2013**, 133-147	0.7	
1	A cloud computing based Big-Bang Big-Crunch fuzzy logic multi classifier system for Soccer video scenes classification. *Memetic Computing*, **2016**, 8, 307-323	3.4	