

# Donald Elmazi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92 papers	536 citations	12 h-index	21 g-index
112 ext. papers	609 ext. citations	0.9 avg, IF	3.86 L-index

#	Paper	IF	Citations
92	FACS-MP: A fuzzy admission control system with many priorities for wireless cellular networks and its performance evaluation. <i>Journal of High Speed Networks</i> , <b>2015</b> , 21, 1-14	0.4	65
91	A comparison study of two fuzzy-based systems for selection of actor node in wireless sensor actor networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2015</b> , 6, 635-645	3.7	63
90	Integrating Wireless Cellular and Ad-Hoc Networks Using Fuzzy Logic Considering Node Mobility and Security <b>2015</b> ,		50
89	A multi-modal simulation system for wireless sensor networks: a comparison study considering stationary and mobile sink and event. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2015</b> , 6, 519-529	3.7	50
88	A genetic algorithm-based system for wireless mesh networks: analysis of system data considering different routing protocols and architectures. <i>Soft Computing</i> , <b>2016</b> , 20, 2627-2640	3.5	39
87	Effect of security and trustworthiness for a fuzzy cluster management system in VANETs. <i>Cognitive Systems Research</i> , <b>2019</b> , 55, 153-163	4.8	26
86	Two Fuzzy-Based Systems for Selection of Actor Nodes in Wireless Sensor and Actor Networks: A Comparison Study Considering Security Parameter Effect. <i>Mobile Networks and Applications</i> , <b>2016</b> , 21, 53-64	2.9	18
85	A fuzzy approach for clustering in MANETs: performance evaluation for different parameters. <i>International Journal of Space-Based and Situated Computing</i> , <b>2017</b> , 7, 166	0.3	16
84	Analysis of mesh router placement in wireless mesh networks using Friedman test considering different meta-heuristics. <i>International Journal of Communication Networks and Distributed Systems</i> , <b>2015</b> , 15, 84	0.4	16
83	Implementation and performance evaluation of two fuzzy-based systems for selection of IoT devices in opportunistic networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2019</b> , 10, 519-529	3.7	16
82	Implementation and Evaluation of a Small Size Omnidirectional Wheelchair <b>2015</b> ,		15
81	A Fuzzy Approach for Secure Clustering in MANETs: Effects of Distance Parameter on System Performance <b>2017</b> ,		13
80	Selection of Secure Actors in Wireless Sensor and Actor Networks Using Fuzzy Logic <b>2015</b> ,		12
79	IoT node selection in Opportunistic Networks: Implementation of fuzzy-based simulation systems and testbed. <i>Internet of Things (Netherlands)</i> , <b>2019</b> , 8, 100105	6.9	10
78	Performance Evaluation of an Aml Testbed for Improving QoL: Evaluation Using Clustering Approach Considering Distributed Concurrent Processing <b>2017</b> ,		8
77	A Fuzzy-Based Testbed Design for Wireless Sensor and Actuator Networks <b>2015</b> ,		8
76	Effect of Node Density on Actor Selection in WSAWs: A Comparison Study for Two Fuzzy-Based Systems <b>2017</b> ,		6

75	Performance Evaluation of a Fuzzy-Based Wireless Sensor and Actuator Network Testbed for Object Tracking <b>2015</b> ,		6
74	<b>2017</b> ,		5
73	A Fuzzy-Based System for Selection of IoT Devices in Opportunistic Networks Considering IoT Device Storage, Waiting Time and Node Centrality Parameters <b>2018</b> ,		5
72	Selection of Rendezvous Point in Content Centric Networks Using Fuzzy Logic <b>2015</b> ,		5
71	A Simulation System Based on ONE and SUMO Simulators: Performance Evaluation of Direct Delivery, Epidemic and Energy Aware Epidemic DTN Protocols <b>2015</b> ,		5
70	Performance Evaluation of a Deep Q-Network Based Simulation System for Actor Node Mobility Control in Wireless Sensor and Actor Networks Considering Different Distributions of Events. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 36-49	0.4	5
69	F3N. <i>International Journal of Distributed Systems and Technologies</i> , <b>2015</b> , 6, 28-44	0.3	4
68	A Delay-Aware Fuzzy-Based System for Selection of IoT Devices in Opportunistic Networks. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2019</b> , 16-29	0.4	4
67	A Fuzzy-Based System for Actor Node Selection in WSANs for Improving Network Connectivity and Increasing Number of Covered Sensors. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2019</b> , 3-15	0.4	4
66	Application of Neural Networks for Intrusion Detection in Tor Networks <b>2015</b> ,		3
65	A Fuzzy-Based System for Selection of IoT Devices in Opportunistic Networks Considering IoT Device Storage, Waiting Time and Security Parameters. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 94-105	0.4	3
64	Effect of node centrality for IoT device selection in opportunistic networks: A comparison study. <i>Concurrency Computation Practice and Experience</i> , <b>2018</b> , 30, e4790	1.4	3
63	Experimental results of a Raspberry Pi and OLSR based wireless content centric network testbed: comparison of different platforms. <i>International Journal of Web and Grid Services</i> , <b>2017</b> , 13, 131	1.4	3
62	A mobility-aware fuzzy-based system for actor selection in wireless sensor-actor networks. <i>Journal of High Speed Networks</i> , <b>2015</b> , 21, 15-25	0.4	3
61	Selection of Actor Nodes in Wireless Sensor and Actor Networks: A Fuzzy Based Method Considering Actor Mobility <b>2015</b> ,		3
60	Performance Evaluation of a Fuzzy-Based Wireless Sensor and Actuator Network Testbed Considering Depth and RGB Sensors <b>2016</b> ,		3
59	Selection of Actor Nodes in Wireless Sensor and Actor Networks Considering as a New Parameter Actor Congestion Situation <b>2016</b> ,		2
58	Implementation of intelligent fuzzy-based systems for actor node selection in WSANs: A comparison study considering effect of actor congestion situation. <i>Journal of High Speed Networks</i> , <b>2018</b> , 24, 187-199	0.4	2

57	A Waste Management Robot System. <i>International Journal of Distributed Systems and Technologies</i> , <b>2015</b> , 6, 1-12	0.3	2
56	Experimental Results of a Raspberry Pi Based WMN Testbed for Multiple Flows and Distributed Concurrent Processing <b>2015</b> ,		2
55	Implementation of a Fuzzy-Based Simulation System and a Testbed for Improving Driving Conditions in VANETs. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 3-12	0.4	2
54	A Fuzzy-Based Wireless Sensor and Actuator Network: Simulation and Experimental Results. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2017</b> , 693-701	0.4	2
53	A Fuzzy-Based Testbed for Wireless Sensor and Actuator Networks: Performance Evaluation for Different Remaining Energy of Actuators. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 87-97	0.4	2
52	Effect of Size of Giant Component for actor node selection in WSANs: A comparison study. <i>Concurrency Computation Practice and Experience</i> , <b>2020</b> , 32, e5106	1.4	2
51	Performance Evaluation of an Ambient Intelligence Testbed for Improving Quality of Life: Evaluation Using Clustering Approach <b>2016</b> ,		2
50	Experimental Results of a Raspberry Pi Based WMN Testbed in Indoor Environment: A Comparison Study of LoS and NLoS Scenarios <b>2016</b> ,		2
49	Neuro-Adaptive Learning Fuzzy-Based System for Actor Selection in Wireless Sensor and Actor Networks <b>2016</b> ,		2
48	Application of Fuzzy Logic for Selection of Actor Nodes in WSANs -Implementation of Two Fuzzy-Based Systems and a Testbed. <i>Sensors</i> , <b>2019</b> , 19,	3.8	2
47	A Secure and Trustworthy Intelligent System for Clustering in VANETs Using Fuzzy Logic. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 156-165	0.4	2
46	A fuzzy-based approach for event evaluation and actor selection in WSANs. <i>Internet of Things (Netherlands)</i> , <b>2020</b> , 11, 100252	6.9	1
45	Implementation and comparison of two intelligent systems based on fuzzy logic for actor selection in WSANs: effect of node density on actor selection. <i>International Journal of Space-Based and Situated Computing</i> , <b>2017</b> , 7, 229	0.3	1
44	Selection of Actor Nodes in Wireless Sensor and Actor Networks Considering Failure of Assigned Task as New Parameter. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 106-118	0.4	1
43	A Disaster Information Gathering System Design Using Fuzzy Logic. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 854-861	0.4	1
42	Implementation of two fuzzy-based systems for IoT device selection in opportunistic networks: effect of storage parameter on IoT device selection. <i>International Journal of Communication Networks and Distributed Systems</i> , <b>2018</b> , 21, 95	0.4	1
41	Selection of Actor Nodes in Wireless Sensor and Actor Networks: A Fuzzy-Based Approach Considering Number of Obstacles as New Parameter <b>2018</b> ,		1
40	A Fuzzy-Based Simulation System for Actor Selection in Wireless Sensor and Actor Networks Considering as a New Parameter Density of Actor Nodes. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2017</b> , 163-174	0.4	1

39	A comparison of two fuzzy-based systems considering node security in MANET clusters. <i>International Journal of Grid and Utility Computing</i> , <b>2017</b> , 8, 343	1.1	1
38	Analysis of Node Placement in Wireless Mesh Networks Using Friedman Test: A Comparison Study for Tabu Search and Hill Climbing <b>2015</b> ,		1
37	Selection of IoT Devices in Opportunistic Networks: A Fuzzy-Based Approach Considering IoT Device Selfish Behaviour. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 251-264	0.4	1
36	Improving Reliability of Cluster Nodes in MANETs: A Fuzzy-Based Approach <b>2016</b> ,		1
35	Application of fuzzy logic for IoT node elimination and selection in opportunistic networks: performance evaluation of two fuzzy-based systems. <i>World Wide Web</i> , <b>2021</b> , 24, 929-940	2.9	1
34	A Fuzzy-Based System for Actor Node Selection in WSANs Considering Load Balancing of Actors. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2019</b> , 97-109	0.4	0
33	A Technical Survey on Methods for Detecting Rogue Access Points. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 215-226	0.4	0
32	IoT Device Selection in Opportunistic Networks: A Fuzzy Approach Considering IoT Device Failure Rate. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2019</b> , 39-52	0.4	0
31	A Fuzzy-Based System for Selection of Actor Nodes in WSANs Considering Actor Reliability and Load Distribution. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2019</b> , 25-38	0.4	
30	Improving peer coordination quality in mobile P2P networks considering peer awareness and group synchronization: Implementation and performance evaluation of two fuzzy-based systems. <i>Journal of High Speed Networks</i> , <b>2020</b> , 26, 27-39	0.4	
29	An Integrated Fuzzy-Based System for Cluster-Head Selection and Sensor Speed Control in Wireless Sensor Networks. <i>International Journal of Distributed Systems and Technologies</i> , <b>2017</b> , 8, 1-14	0.3	
28	Selection of Actor Nodes in Wireless Sensor and Actor Networks: A Fuzzy-Based System Considering Packet Error Rate as a New Parameter. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 43-55	0.4	
27	Effect of Task Accomplishment for Actor Node Selection in WSANs: Performance Evaluation and a Comparison Study. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 476-487	0.4	
26	Selection of Actor Nodes in Wireless Sensor and Actor Networks Considering Actor-Sensor Coordination Quality Parameter. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 87-99	0.4	
25	A Fuzzy-Based System for Selection of IoT Devices in Opportunistic Networks Considering IoT Device Contact Duration, Storage and Remaining Energy. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 74-85	0.4	
24	A Fuzzy-Based Approach for Selection of Actor Nodes in WSANs Considering Size of Giant Component as New Parameter. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 89-101	0.4	
23	A Fuzzy-Based System for Actor Node Selection in WSANs Considering Level of Received Signal. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 238-250	0.4	
22	A Fuzzy-Based System for Actor Node Selection in WSANs: Simulation and Experimental Results. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 11-24	0.4	

21	Effect of Degree of Centrality Parameter on Actor Selection in WSANs: A Fuzzy-Based Simulation System and Its Performance Evaluation. <i>Lecture Notes in Networks and Systems</i> , <b>2020</b> , 35-46	0.5
20	A Fuzzy-Based Simulation System for IoT Node Selection in Opportunistic Networks and Testbed Implementation. <i>Lecture Notes in Networks and Systems</i> , <b>2020</b> , 32-43	0.5
19	IoT Node Elimination and Selection for Completing Tasks in Opportunistic Networks: A Fuzzy Logic Approach. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 11-22	0.4
18	An Event Response Fuzzy-Based System for Actor Node Selection in WSANs. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 54-62	0.4
17	A Decision-Making System Based on Fuzzy Logic for IoT Node Selection in Opportunistic Networks Considering Node Betweenness Centrality as a New Parameter. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 36-43	0.4
16	Application of Fuzzy Logic for Event Evaluation in WSANs. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 461-469	0.4
15	A Fuzzy Based Simulation System for IoT Node Selection in an Opportunistic Network Considering IoT Node's Unique Encounters as a New Parameter. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 488-498	0.4
14	An Integrated Fuzzy-Based System for Cluster-Head Selection and Sensor Speed Control in Wireless Sensor Networks <b>2020</b> , 1135-1149	
13	A Fuzzy-Based System for Actor Node Selection in WSANs Considering Task Accomplishment Time as a New Parameter. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2020</b> , 53-63	0.4
12	IoT Node Selection in Opportunistic Networks: A Fuzzy-Based Approach Considering Node's Successful Delivery Ratio (NSDR) as a New Parameter. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2020</b> , 64-72	0.4
11	F3N <b>2016</b> , 1033-1048	
10	A Study on Performance of Hill Climbing Heuristic Method for Router Placement in Wireless Mesh Networks. <i>Studies in Computational Intelligence</i> , <b>2017</b> , 33-48	0.8
9	Implementation of an Actor Node for an Ambient Intelligence Testbed: Evaluation and Effects of Actor Node on Human Sleeping Condition. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 98-106	0.4
8	A Delay-Aware Fuzzy-Based System for Selection of IoT Devices in Opportunistic Networks. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 3-13	0.4
7	Effect of Packet Error Rate on Selection of Actor Nodes in WSANs: A Comparison Study of Two Fuzzy-Based Systems. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 114-126	0.4
6	A Fuzzy-Based System for Selection of IoT Devices in Opportunistic Networks Considering Number of Past Encounters. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2019</b> , 223-237	0.4
5	IoT Node Selection and Placement: A New Approach Based on Fuzzy Logic and Genetic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 22-35	0.4
4	Effect of Storage Size on IoT Device Selection in Opportunistic Networks: A Comparison Study of Two Fuzzy-Based Systems. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 100-113	0.4

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| 3 | A Fuzzy-Based System for Selection of IoT Devices in Opportunistic Networks Considering IoT Device Speed, Storage and Remaining Energy Parameters. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 16-27          | 0.4 |
| 2 | Implementation of an Actor Node for an Ambient Intelligence Testbed Considering Bed Temperature and Room Lighting: Its Effects on Human Sleeping Condition. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 73-81 | 0.4 |
| 1 | Implementation and performance evaluation of an intelligent fuzzy-based testbed for WSANs: a case study for object tracking. <i>International Journal of Communication Networks and Distributed Systems</i> , <b>2018</b> , 21, 80                         | 0.4 |