

Elhadi M Shakshuki

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.

149
papers

1,311
citations

19
h-index

29
g-index

198
ext. papers

1,714
ext. citations

2.5
avg, IF

5.22
L-index

#	Paper	IF	Citations
149	. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 1089-1098	8.9	177
148	DV-maxHop: A Fast and Accurate Range-Free Localization Algorithm for Anisotropic Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2017 , 16, 2494-2505	4.6	48
147	Data compression techniques in Wireless Sensor Networks. <i>Future Generation Computer Systems</i> , 2016 , 64, 151-162	7.5	40
146	Wireless sensor networks for leak detection in pipelines: a survey. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2016 , 7, 347-356	3.7	36
145	Video transmission enhancement in presence of misbehaving nodes in MANETs. <i>Multimedia Systems</i> , 2009 , 15, 273-282	2.2	36
144	Multi-Agent System Applications in Healthcare: Current Technology and Future Roadmap. <i>Procedia Computer Science</i> , 2015 , 52, 252-261	1.6	34
143	C3: an energy-efficient protocol for coverage, connectivity and communication in WSNs. <i>Personal and Ubiquitous Computing</i> , 2014 , 18, 1117-1133	2.1	32
142	Multi-objective optimization for a reliable localization scheme in wireless sensor networks. <i>Journal of Communications and Networks</i> , 2016 , 18, 796-805	4.1	30
141	Passenger Safety in Ride-Sharing Services. <i>Procedia Computer Science</i> , 2018 , 130, 1044-1050	1.6	30
140	End-to-End QoS "Smart Queue" Management Algorithms and Traffic Prioritization Mechanisms for Narrow-Band Internet of Things Services in 4G/5G Networks. <i>Sensors</i> , 2020 , 20,	3.8	26
139	Software agent-based directed diffusion in wireless sensor network. <i>Telecommunication Systems</i> , 2008 , 38, 161-174	2.3	26
138	Agent-based simulation of unmanned aerial vehicles in civilian applications: A systematic literature review and research directions. <i>Future Generation Computer Systems</i> , 2019 , 100, 344-364	7.5	24
137	A Detection and Prevention Technique for Man in the Middle Attack in Fog Computing. <i>Procedia Computer Science</i> , 2018 , 141, 24-31	1.6	24
136	Context-Aware Driver Assistance System. <i>Procedia Computer Science</i> , 2012 , 10, 785-794	1.6	21
135	An architecture for cooperative information systems. <i>Knowledge-Based Systems</i> , 2003 , 16, 17-27	7.3	21
134	Internet of Things based multiple disease monitoring and health improvement system. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 1021-1029	3.7	20
133	E-AMBULANCE: Real-Time Integration Platform for Heterogeneous Medical Telemetry System. <i>Procedia Computer Science</i> , 2015 , 63, 400-407	1.6	19

132	An Adaptive User Interface in Healthcare. <i>Procedia Computer Science</i> , 2015 , 56, 49-58	1.6	19
131	Designing an integrated driver assistance system using image sensors. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 2109-2132	6.7	19
130	A distributed multi-agent meeting scheduler. <i>Journal of Computer and System Sciences</i> , 2008 , 74, 279-296		19
129	Digital image encryption techniques for wireless sensor networks using image transformation methods: DCT and DWT. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 4733-4750	3.7	18
128	Ubiquitous Tele-health System for Elderly Patients with Alzheimer's. <i>Procedia Computer Science</i> , 2015 , 52, 685-689	1.6	18
127	AGENT-BASED SYSTEM ARCHITECTURE FOR DYNAMIC AND OPEN ENVIRONMENTS. <i>International Journal of Information Technology and Decision Making</i> , 2003 , 02, 105-133	2.8	18
126	On the Adequacy of Tabu Search for Global Robot Path Planning Problem in Grid Environments. <i>Procedia Computer Science</i> , 2014 , 32, 604-613	1.6	17
125	Multi-agent-based clustering approach to wireless sensor networks. <i>International Journal of Wireless and Mobile Computing</i> , 2009 , 3, 165	0.4	16
124	Comparative Study on Range Free Localization Algorithms. <i>Procedia Computer Science</i> , 2019 , 151, 501-510	106	15
123	An agent-based approach to security service. <i>Journal of Network and Computer Applications</i> , 2005 , 28, 183-208	7.9	15
122	WSN in cyber physical systems: Enhanced energy management routing approach using software agents. <i>Future Generation Computer Systems</i> , 2014 , 31, 93-104	7.5	14
121	Detecting misbehaving nodes in MANETs 2010 ,		14
120	Continuous objects detection and tracking in wireless sensor networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2016 , 7, 489-508	3.7	14
119	Toward a bio-inspired adaptive spatial clustering approach for IoT applications. <i>Future Generation Computer Systems</i> , 2020 , 107, 736-744	7.5	14
118	A Comparative Study of Range-Free and Range-Based Localization Protocols for Wireless Sensor Network. <i>International Journal of Distributed Systems and Technologies</i> , 2017 , 8, 1-16	0.3	13
117	Detecting Forged Acknowledgements in MANETs 2011 ,		13
116	Last-mile travel and bicycle sharing system in small/medium sized cities: user preferences investigation using hybrid choice model. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 4721-4731	3.7	11
115	A3ACKs: adaptive three acknowledgments intrusion detection system for MANETs. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2014 , 5, 611-620	3.7	11

114	Implementation of A3ACKs Intrusion Detection System under Various Mobility Speeds. <i>Procedia Computer Science</i> , 2014 , 32, 571-578	1.6	11
113	COROS: A Multi-Agent Software Architecture for Cooperative and Autonomous Service Robots. <i>Studies in Computational Intelligence</i> , 2015 , 3-30	0.8	11
112	Specification and automatic verification of trust-based multi-agent systems. <i>Future Generation Computer Systems</i> , 2020 , 107, 1047-1060	7.5	11
111	Performance evaluation of range-free localization algorithms for wireless sensor networks. <i>Personal and Ubiquitous Computing</i> , 2021 , 25, 177-203	2.1	10
110	Performance comparison of three localization protocols in WSN using Cooja. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2017 , 8, 373-382	3.7	9
109	Dynamic Healthcare Interface for Patients. <i>Procedia Computer Science</i> , 2015 , 63, 356-365	1.6	8
108	Security Analysis and Authentication Improvement for IEEE 802.11i Specification 2008 ,		8
107	Web-based Structured Hypermedia Algorithm Explanation system. <i>International Journal of Web Information Systems</i> , 2007 , 3, 179-197	0.9	8
106	Fog Computing: Data Streaming Services for Mobile End-Users. <i>Procedia Computer Science</i> , 2018 , 134, 289-296	1.6	8
105	A publish/subscribe middleware cost in wireless sensor networks: A review and case study 2015 ,		7
104	Effect of network topology on localization algorithm performance. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2016 , 7, 445-454	3.7	7
103	A Review of Latest Web Tools and Libraries for State-of-the-art Visualization. <i>Procedia Computer Science</i> , 2016 , 98, 100-106	1.6	7
102	Comparative Study of Fingerprint and Centroid Localization Protocol Using COOJA. <i>Procedia Computer Science</i> , 2016 , 98, 16-23	1.6	7
101	Performance Evaluation of Topology based Routing Protocols in a VANET Highway Scenario. <i>International Journal of Distributed Systems and Technologies</i> , 2017 , 8, 34-45	0.3	6
100	An Optimal Cross-Layer Scheduling for Periodic WSN Applications. <i>Procedia Computer Science</i> , 2013 , 19, 88-97	1.6	6
99	Al-Yad: A Wearable Sensor Network over DDS Middleware for Industrial Application. <i>Procedia Computer Science</i> , 2015 , 56, 333-340	1.6	6
98	Novel algorithm explanation techniques for improving algorithm teaching 2006 ,		6
97	A Comparative Study of Range-Free and Range-Based Localization Protocols for Wireless Sensor Network 2020 , 1522-1537		6

96	Acknowledgment scheme using cloud for node networks with energy-aware hybrid scheduling strategy. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 3947-3962	3.7	6
95	Comparing mobile apps by identifying HotFeatures. <i>Future Generation Computer Systems</i> , 2020 , 107, 659-669	7.5	6
94	A microsimulation-based analysis for driving behaviour modelling on a congested expressway. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 5857-5874	3.7	5
93	Mining Collective Opinions for Comparison of Mobile Apps. <i>Procedia Computer Science</i> , 2016 , 94, 168-175.	5.6	5
92	Enhanced cross-layer based middleware for mobile ad hoc networks. <i>Journal of Network and Computer Applications</i> , 2009 , 32, 490-499	7.9	5
91	A comparative study on simulation vs. real time deployment in wireless sensor networks. <i>Journal of Systems and Software</i> , 2011 , 84, 45-54	3.3	5
90	A Mobility-Aware and Cross-layer Based Middleware for Mobile Ad Hoc Networks. <i>International Conference on Advanced Networking and Applications</i> , 2007 ,		5
89	FCVW agent framework. <i>Information and Software Technology</i> , 2006 , 48, 385-392	3.4	5
88	Risk analysis in environmental systems. <i>Canadian Journal of Civil Engineering</i> , 2002 , 29, 1-7	1.3	5
87	A framework for single and multiple anomalies localization in pipelines. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 2563-2575	3.7	5
86	Facilitating research through serendipity of recommendations. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 2263-2275	3.7	5
85	Task Scheduling in Cloud Using Deep Reinforcement Learning. <i>Procedia Computer Science</i> , 2021 , 184, 42-51	1.6	5
84	Reasoning about Trust and Time in a System of Agents. <i>Procedia Computer Science</i> , 2017 , 109, 632-639	1.6	4
83	Automatic Vehicle Location and Monitoring System based on Data Distribution Service. <i>Procedia Computer Science</i> , 2014 , 37, 127-134	1.6	4
82	Tracking Anonymous Sinks in Wireless Sensor Networks 2009 ,		4
81	Mobile Agent for Efficient Routing among Source Nodes in Wireless Sensor Networks 2007 ,		4
80	. <i>International Conference on Advanced Networking and Applications</i> , 2007 ,		4
79	Simulation-based Evaluation of Using Variable Speed Limit in Traffic Incidents. <i>Procedia Computer Science</i> , 2020 , 175, 340-348	1.6	4

78	Artificial Neural Network Model to relate Organization Characteristics and Construction Project Delivery Methods. <i>Procedia Computer Science</i> , 2018 , 134, 59-66	1.6	4
77	Resource Management Approach to an Efficient Wireless Sensor Network. <i>Procedia Computer Science</i> , 2018 , 141, 190-198	1.6	4
76	Refined game-theoretic approach to improve authenticity of outsourced databases. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2017 , 8, 329-344	3.7	3
75	Implementing a Multi-agent System for Recording and Transmitting Biometric Information of Elderly Citizens. <i>Procedia Computer Science</i> , 2017 , 113, 334-343	1.6	3
74	IoT mobile device Data Offloading by Small-Base Station Using Intelligent Software Defined Network. <i>Procedia Computer Science</i> , 2020 , 177, 234-244	1.6	3
73	AVL and Monitoring for Massive Traffic Control System over DDS. <i>Mobile Information Systems</i> , 2015 , 2015, 1-9	1.4	3
72	FCVW. <i>International Journal of Mobile Computing and Multimedia Communications</i> , 2009 , 1, 29-52	0.7	3
71	User profile management: reference model and web services implementation. <i>International Journal of Web and Grid Services</i> , 2010 , 6, 1	1.4	3
70	Data Dissemination in Wireless Sensor Networks Using Software Agents 2007 ,		3
69	2007 ,		3
68	Agent Based Analytical Model for Energy Consumption among Border Nodes in Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2008 , 189-201	0.9	3
67	Pro-Environmental Potential in Activity-Travel Routine of Individuals: A Data Driven Computational Algorithm. <i>Procedia Computer Science</i> , 2018 , 130, 541-548	1.6	3
66	Vehicular Data Offloading by Road-Side Units Using Intelligent Software Defined Network. <i>Procedia Computer Science</i> , 2020 , 177, 151-161	1.6	2
65	Queue based Vehicular Ad Hoc Network Prognostic Offloading Approach. <i>Procedia Computer Science</i> , 2020 , 170, 584-593	1.6	2
64	Cloud Acknowledgment Scheme for a Node Network. <i>Procedia Computer Science</i> , 2019 , 155, 369-377	1.6	2
63	An Optimal Energy Efficient and Minimum Delay Scheduling for Periodic WSN Applications. <i>Procedia Computer Science</i> , 2013 , 21, 40-49	1.6	2
62	An Integrated Protocol for Coverage, Connectivity and Communication (C3) in Wireless Sensor Networks 2013 ,		2
61	A Deliberative Agent for Meeting Scheduling 2013 ,		2

60	Exploring the Relationship Between Version Updates and Downloads of Asthma Mobile Apps. <i>Procedia Computer Science</i> , 2017 , 109, 624-631	1.6	2
59	A cross layer optimization modeling for a periodic WSN application. <i>Journal of Computer and System Sciences</i> , 2015 , 81, 516-532	1	2
58	Self-organizing sensor networks: Coverage problem 2012 ,		2
57	Integrated Context-Aware Driver Assistance System Architecture. <i>Mobile Information Systems</i> , 2013 , 9, 225-240	1.4	2
56	Fault Reconnaissance Agent for Sensor Networks. <i>Mobile Information Systems</i> , 2010 , 6, 229-247	1.4	2
55	Predicting Function Changes by Mining Revision History 2010 ,		2
54	Video streaming application over WEAC protocol in MANET. <i>Journal of Computer and System Sciences</i> , 2011 , 77, 705-719	1	2
53	Sandstorm monitoring system architecture using agents and sensor networks 2012 ,		2
52	Developing a hybrid system for sand and dust storm detection using satellite imaging and WSNs 2012 ,		2
51	Performance evaluation for Geographical and Energy Aware Routing protocol 2009 ,		2
50	Investigation and Implementation of Border Nodes in S-MAC 2009 ,		2
49	2008 ,		2
48	2007 ,		2
47	Agent-mediated e-commerce system		2
46	An automatic formulation of inverse free second moment method for algebraic systems. <i>Reliability Engineering and System Safety</i> , 2002 , 76, 81-89	6.3	2
45	Performance evaluation of TELOSB sensor network 2009 ,		2
44	A Multi-Agent Temporal Constraint Satisfaction System Based on Allen's Interval Algebra and Probabilities. <i>International Journal of Information Technology and Web Engineering</i> , 2007 , 2, 45-64	1.3	2
43	Enhanced Cloud Acknowledgement Scheme for a Node Network. <i>Procedia Computer Science</i> , 2020 , 175, 46-55	1.6	2

42	Determinants of Pro-Environmental Activity-Travel Behavior Using GPS-Based Application and SEM Approach. <i>Procedia Computer Science</i> , 2019 , 160, 109-117	1.6	2
41	Estimating pro-environmental potential for the development of mobility-based informational intervention: a data-driven algorithm. <i>Personal and Ubiquitous Computing</i> , 2019 , 23, 653-668	2.1	2
40	Broker-less middleware for WSN performance evaluation. <i>Future Generation Computer Systems</i> , 2020 , 110, 372-381	7.5	2
39	Using Surrogate Measures to Evaluate the Safety of Autonomous Vehicles. <i>Procedia Computer Science</i> , 2021 , 191, 151-159	1.6	2
38	STIMF: a smart traffic incident management framework. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 12, 85-101	3.7	2
37	Performance evaluation of counter selection techniques to detect discontinuity in large-scale-systems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 9, 43-59	3.7	2
36	Ambient and Context-Aware Services for the Future Web. <i>Computer Journal</i> , 2015 , 58, 1687-1688	1.3	1
35	Modeling Process of a Third Dimension Universe for Transportation Simulation: Application to Railway System. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2019 , 11, 137-156	2.6	1
34	Optimal Placement of RFID Antennas for Outdoor Applications. <i>Procedia Computer Science</i> , 2014 , 34, 236-241	1.6	1
33	A Negotiation Protocol for Meeting Scheduling Agent. <i>Procedia Computer Science</i> , 2013 , 21, 164-173	1.6	1
32	Broker-Less Middleware for WSN Performance Evaluation. <i>Procedia Computer Science</i> , 2017 , 110, 369-378		1
31	ConVeh: Driving Safely into a Connected Future. <i>Procedia Computer Science</i> , 2017 , 113, 460-465	1.6	1
30	A Network Topology Discovery Tool for Android Smart Phones. <i>Procedia Computer Science</i> , 2015 , 63, 104-111	1.6	1
29	Classification of Post-deployment Performance Diagnostic Techniques for Large-scale Software Systems. <i>Procedia Computer Science</i> , 2014 , 37, 244-251	1.6	1
28	A personal meeting scheduling agent. <i>Personal and Ubiquitous Computing</i> , 2014 , 18, 909-922	2.1	1
27	A Web-Based Application of TELOS/B Sensor Network. <i>Mobile Information Systems</i> , 2011 , 7, 147-163	1.4	1
26	Neighbor-Aware Clusterhead with Different Sleep Scheduling Protocols. <i>Parallel Processing (ICPP), Workshop, Proceedings of the International Conference on</i> , 2008 ,		1
25	Negotiation Strategies for Agent-based Meeting Scheduling System 2007 ,		1

24	MULTI-AGENT SYSTEM ARCHITECTURE TO TRADING SYSTEMS. <i>Journal of Interconnection Networks</i> , 2005 , 06, 283-302	0.4	1
23	Inverse-free second moment method for electrical systems with uncertain parameters. <i>International Journal of Circuit Theory and Applications</i> , 2005 , 33, 135-145	2	1
22	YouTube Monetization and Censorship by Proxy: A Machine Learning Prospective. <i>Procedia Computer Science</i> , 2022 , 198, 23-32	1.6	1
21	Real-Time Performance Evaluation for Flooding and Recursive Time Synchronization Protocols over Arduino and XBee. <i>International Journal of Distributed Sensor Networks</i> , 2015 , 2015, 1-13	1.7	1
20	Energy Efficient Task Scheduling in Fog Environment using Deep Reinforcement Learning Approach. <i>Procedia Computer Science</i> , 2021 , 191, 65-75	1.6	1
19	Assessment of the Traffic Enforcement Strategies Impact on Emission Reduction and Air Quality. <i>Procedia Computer Science</i> , 2021 , 184, 549-556	1.6	1
18	Understanding The Effect of Physical Parameters on Packet Loss in Veins VANET Simulator. <i>Procedia Computer Science</i> , 2022 , 201, 359-367	1.6	1
17	Towards Identifying Performance Anomalies. <i>Procedia Computer Science</i> , 2016 , 83, 621-627	1.6	0
16	Intelligent learning agent for collaborative virtual workspace. <i>International Journal of Pervasive Computing and Communications</i> , 2010 , 6, 131-162	3.3	0
15	A Smartphone VANET Based Forward Collision Detection System. <i>Procedia Computer Science</i> , 2022 , 198, 33-42	1.6	0
14	Approximating Viewership of Streaming T.V Programs Using Social Media Sentiment Analysis. <i>Procedia Computer Science</i> , 2022 , 198, 94-101	1.6	0
13	Explaining Algorithms. <i>International Journal of Distance Education Technologies</i> , 2006 , 4, 6-23	1.1	0
12	Special Section on Modeling & Simulation of Application Scenarios for Autonomous Vehicles [Guest Editorial]. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2019 , 11, 109-171	2.6	
11	Helping the Performance Evaluation of an Agent Run-time Framework: the SARL Experience Index. <i>Procedia Computer Science</i> , 2017 , 110, 159-166	1.6	
10	Detecting performance anomalies in large-scale software systems using entropy. <i>Personal and Ubiquitous Computing</i> , 2017 , 21, 1127-1137	2.1	
9	Identifying the Direction of Wind in Wireless Sensor Networks. <i>Procedia Computer Science</i> , 2012 , 10, 225-231	2.3	1
8	Multi-agent System Architecture for Tracking Moving Objects. <i>Lecture Notes in Computer Science</i> , 2003 , 638-639	0.9	
7	A Probabilistic Multi-agent Scheduler Implemented in JXTA 2007 , 248-257		

- 6 A Multi-Agent Temporal Constraint Satisfaction System Based on Allen's Interval Algebra and Probabilities **2009**, 56-76
- 5 FCVW **2011**, 263-286
- 4 Performance Evaluation of Techniques to Detect Discontinuity in Large-scale-systems. *Procedia Computer Science*, **2016**, 94, 324-331 1.6
- 3 N-Beats for Backup Routing Optimization in Cloud Acknowledgement Scheme for a Node Network. *Procedia Computer Science*, **2021**, 191, 272-281 1.6
- 2 Long Short-Term Memory Approach for Routing Optimization in Cloud ACKnowledgement Scheme for Node Network. *Procedia Computer Science*, **2021**, 184, 461-468 1.6
- 1 Algorithm Education Using Structured Hypermedia 58-83