

Muaz A Niazi

List of Publications by Year in descending order

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63
papers

1,003
citations

759055

12
h-index

501076

28
g-index

66
all docs

66
docs citations

66
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Steering Angle Prediction Techniques for Autonomous Ground Vehicles: A Review. IEEE Access, 2021, 9, 78567-78585.	2.6	6
2	Review of "The Model Thinker" by Scott Page. Complex Adaptive Systems Modeling, 2020, 8, .	1.6	2
3	Review of "Exploratory Social Network Analysis with Pajek" by Wouter De Nooy, Andrej Mrvar and Vladimir Batageli. Complex Adaptive Systems Modeling, 2019, 7, .	1.6	5
4	Towards Agent-Based Model Specification of Smart Grid: A Cognitive Agent-Based Computing Approach. Interdisciplinary Description of Complex Systems, 2019, 17, 546-585.	0.3	3
5	Applications of multi-agent systems in smart grid: a survey and taxonomy. , 2019, , 111-144.		0
6	Exploratory and validated agent-based modeling levels case study: Internet of Things. , 2019, , 209-238.		0
7	Social networks - a scientometric visual survey. , 2019, , 381-412.		0
8	Demand-response management in smart grid: a survey and future directions. , 2019, , 83-110.		0
9	Emerging topics in Internet technology: A complex networks approach. Internet Technology Letters, 2018, 1, e41.	1.4	8
10	<i>MetriPair</i>-A Novel Accurate Metric for the Comparison of Two Cooperative Multiagent Systems Intelligence Based on Paired Intelligence Measurements. International Journal of Intelligent Systems, 2018, 33, 463-486.	3.3	20
11	Enhanced emotion enabled cognitive agent-based rear-end collision avoidance controller for autonomous vehicles. Simulation, 2018, 94, 957-977.	1.1	10
12	A formal specification framework for smart grid components. Complex Adaptive Systems Modeling, 2018, 6, .	1.6	7
13	Variations in power of opinion leaders in online communication networks. Royal Society Open Science, 2018, 5, 180642.	1.1	11
14	Monkeys, trees, and the right abstraction!. Complex Adaptive Systems Modeling, 2018, 6, .	1.6	0
15	Computational intelligence in context of autonomous vehicle modeling: A survey. , 2018, , .		0
16	Personal vs. know-how contacts: which matter more in wiki elections?. Complex Adaptive Systems Modeling, 2018, 6, .	1.6	1
17	A Fuzzy Approach of Sensitivity for Multiple Colonies on Ant Colony Optimization. Advances in Intelligent Systems and Computing, 2018, , 87-95.	0.5	21
18	Clinical Decision Support Systems: A Visual Survey. Informatica (Slovenia), 2018, 42, .	0.6	3

#	ARTICLE	IF	CITATIONS
19	Modeling the internet of things: a hybrid modeling approach using complex networks and agent-based models. <i>Complex Adaptive Systems Modeling</i> , 2017, 5, .	1.6	42
20	The value of systems and complexity sciences for healthcare: a review. <i>Complex Adaptive Systems Modeling</i> , 2017, 5, .	1.6	0
21	Why teach modeling & simulation in schools?. <i>Complex Adaptive Systems Modeling</i> , 2017, 5, .	1.6	5
22	Towards social autonomous vehicles: Efficient collision avoidance scheme using Richardson's arms race model. <i>PLoS ONE</i> , 2017, 12, e0186103.	1.1	11
23	Review of "CiteSpace: A Practical Guide For Mapping Scientific Literature" by Chaomei Chen. <i>Complex Adaptive Systems Modeling</i> , 2016, 4, .	1.6	11
24	Road collisions avoidance using vehicular cyber-physical systems: a taxonomy and review. <i>Complex Adaptive Systems Modeling</i> , 2016, 4, .	1.6	17
25	Using social network analysis of human aspects for online social network software: a design methodology. <i>Complex Adaptive Systems Modeling</i> , 2016, 4, .	1.6	9
26	Game theory models for communication between agents: a review. <i>Complex Adaptive Systems Modeling</i> , 2016, 4, .	1.6	20
27	Introduction to the modeling and analysis of complex systems: a review. <i>Complex Adaptive Systems Modeling</i> , 2016, 4, .	1.6	6
28	Modeling the Internet of Things, Self-Organizing and Other Complex Adaptive Communication Networks: A Cognitive Agent-Based Computing Approach. <i>PLoS ONE</i> , 2016, 11, e0146760.	1.1	45
29	Augmenting Autonomous Vehicular Communication Using the Appreciation Emotion: A Mamdani Fuzzy Inference System Model. , 2015, , .		2
30	Spectrum Mobility in Cognitive Radio-Based Vehicular Cyber Physical Networks: A Fuzzy Emotion-Inspired Scheme. , 2015, , .		1
31	Highly modular electronics: Self-Organized Power Hotspot Management in Components. , 2015, , .		1
32	Modeling for a Greener Internet of Things: Carbon Footprint Planning and Allocation: A Tutorial Approach Using Monte Carlo Simulation. , 2015, , .		1
33	Self-organized power consumption approximation in the Internet of Things. , 2015, , .		7
34	Emergence of a Snake-Like Structure in Mobile Distributed Agents: An Exploratory Agent-Based Modeling Approach. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	3
35	Towards modeling complex wireless sensor networks using agents and networks: A systematic approach. , 2014, , .		4
36	Cloud identity management security issues & solutions: a taxonomy. <i>Complex Adaptive Systems Modeling</i> , 2014, 2, .	1.6	38

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37	Toward a Formal, Visual Framework of Emergent Cognitive Development of Scholars. Cognitive Computation, 2014, 6, 113-124.	3.6	10
38	Towards a Methodology for Validation of Centrality Measures in Complex Networks. PLoS ONE, 2014, 9, e90283.	1.1	87
39	Complex Adaptive Systems Modeling: A multidisciplinary Roadmap. Complex Adaptive Systems Modeling, 2013, 1, .	1.6	45
40	Complex adaptive communication networks and environments: Part 2. Simulation, 2013, 89, 787-789.	1.1	9
41	Complex adaptive communication networks and environments: Part 1. Simulation, 2013, 89, 559-561.	1.1	11
42	Multidisciplinary applications of complex networks modeling, simulation, visualization, and analysis. Complex Adaptive Systems Modeling, 2013, 1, .	1.6	9
43	Cognitive Agent-based Computing-I. SpringerBriefs in Cognitive Computation, 2013, , .	0.1	8
44	Complex Adaptive Systems. SpringerBriefs in Cognitive Computation, 2013, , 21-32.	0.1	7
45	A Novel Formal Agent-Based Simulation Modeling Framework of an AIDS Complex Adaptive System. International Journal of Agent Technologies and Systems, 2013, 5, 33-53.	0.1	4
46	A Unified Framework. SpringerBriefs in Cognitive Computation, 2013, , 15-20.	0.1	5
47	Modeling CAS. SpringerBriefs in Cognitive Computation, 2013, , 33-53.	0.1	0
48	Modeling AIDS Spread in Social Networks. Lecture Notes in Computer Science, 2013, , 361-371.	1.0	1
49	A Critical Examination of Complex Network File Formats for Bioinformatics Data Sources. , 2012, , .		0
50	An Intelligent Self-Organizing Power-Saving Architecture: An Agent-Based Approach. , 2012, , .		6
51	Enhancing the Shopping Experience. IEEE Pervasive Computing, 2011, 10, 44-47.	1.1	5
52	Social Network Analysis of trends in the consumer electronics domain. , 2011, , .		11
53	Sensing Emergence in Complex Systems. IEEE Sensors Journal, 2011, 11, 2479-2480.	2.4	19
54	A Novel Agent-Based Simulation Framework for Sensing in Complex Adaptive Environments. IEEE Sensors Journal, 2011, 11, 404-412.	2.4	60

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55	Agent-based computing from multi-agent systems to agent-based models: a visual survey. Scientometrics, 2011, 89, 479-499.	1.6	234
56	A discrete event system specification (DEVS)-based model of consanguinity. Journal of Theoretical Biology, 2011, 285, 103-112.	0.8	4
57	Verification & validation of an agent-based forest fire simulation model. , 2010, , .		20
58	Agent-based tools for modeling and simulation of self-organization in peer-to-peer, ad hoc, and other complex networks. , 2009, 47, 166-173.		88
59	A new hybrid agent-based modeling & simulation decision support system for breast cancer data analysis. , 2009, , .		16
60	Self-organized customized content delivery architecture for ambient assisted environments. , 2008, , .		10
61	Simulation of the research process. , 2008, , .		4
62	Urban Computing and Mobile Devices. IEEE Distributed Systems Online, 2007, 8, 2-2.	0.5	7
63	Eliminating duplication and ensuring file integrity in Multisync: A multiagent system for ubiquitous file synchronization. , 2005, , .		2