

Sanja Lazarova-Molnar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5292337/publications.pdf>

Version: 2024-02-01

69
papers

933
citations

840119

11
h-index

610482

24
g-index

71
all docs

71
docs citations

71
times ranked

769
citing authors

#	ARTICLE	IF	CITATIONS
1	Collaborative data-driven reliability analysis of multi-state fault trees. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2023, 237, 886-896.	0.6	4
2	A framework for data-driven digital twins of smart manufacturing systems. Computers in Industry, 2022, 136, 103586.	5.7	79
3	Hybrid modeling of collaborative freight transportation planning using agent-based simulation, auction-based mechanisms, and optimization. Simulation, 2022, 98, 753-771.	1.1	13
4	Towards a Rigorous Consideration of Occupant Behaviours of Residential Households for Effective Electrical Energy Savings: An Overview. Energies, 2022, 15, 1741.	1.6	5
5	Towards Data-Driven Reliability Modeling for Cyber-Physical Production Systems. Procedia Computer Science, 2021, 184, 589-596.	1.2	19
6	Towards Data-Driven Digital Twins for Smart Manufacturing. Lecture Notes in Networks and Systems, 2021, , 445-454.	0.5	6
7	Applications of Integrated IoT-Fog-Cloud Systems to Smart Cities: A Survey. Electronics (Switzerland), 2021, 10, 2918.	1.8	8
8	Fusion of Data and Expert Knowledge for Fault Tree Reliability Analysis of Cyber-Physical Systems. , 2021, , .		6
9	Requirements for Data-Driven Reliability Modeling and Simulation of Smart Manufacturing Systems. , 2021, , .		6
10	Reliability Analysis of Cyber-Physical Systems. Simulation Foundations, Methods and Applications, 2020, , 385-405.	0.8	4
11	Assessment of Building Intelligence Requirements for Real Time Performance Testing in Smart Buildings. , 2019, , .		7
12	Reliability Assessment in the Context of Industry 4.0: Data as a Game Changer. Procedia Computer Science, 2019, 151, 691-698.	1.2	28
13	Leveraging the Capabilities of Industry 4.0 for Improving Energy Efficiency in Smart Factories. IEEE Access, 2019, 7, 18008-18020.	2.6	95
14	Deriving Simulation Models from Data: Steps of Simulation Studies Revisited. , 2019, , .		7
15	Data analytics framework for Industry 4.0: enabling collaboration for added benefits. IET Collaborative Intelligent Manufacturing, 2019, 1, 117-125.	1.9	15
16	Collaborative data analytics for smart buildings: opportunities and models. Cluster Computing, 2019, 22, 1065-1077.	3.5	21
17	Energy Cloud: Services for Smart Buildings. , 2018, , 117-134.		13
18	Comparative Evaluation of Threshold Modelling for Smart Buildingsâ€™ Performance Testing. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Collaborative Data Analytics for Industry 4.0: Challenges, Opportunities and Models. , 2018, , .		9
20	Towards smart buildings performance testing as a service. , 2018, , .		8
21	A Workflow for Continuous Performance Testing in Smart Buildings. Lecture Notes in Computer Science, 2018, , 54-59.	1.0	1
22	Mobile crowdsourcing of occupant feedback in smart buildings. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2017, 17, 5-14.	0.5	5
23	A Discrete-Event Simulation tool for decision support in selecting project scheduling strategies. , 2017, , .		1
24	Cloud of Things: Optimizing smart city services. , 2017, , .		19
25	Towards Collaborative Data Analytics for Smart Buildings. Lecture Notes in Electrical Engineering, 2017, , 459-466.	0.3	9
26	A new data-driven controllability measure with application in intelligent buildings. Energy and Buildings, 2017, 138, 526-529.	3.1	11
27	Towards a framework for comprehensive and systematic reliability evaluation of building management systems. , 2017, , .		1
28	Towards Service-Oriented Middleware for Fog and Cloud Integrated Cyber Physical Systems. , 2017, , .		10
29	SmartCityWare: A Service-Oriented Middleware for Cloud and Fog Enabled Smart City Services. IEEE Access, 2017, 5, 17576-17588.	2.6	112
30	A Practical Approach to Validation of Buildingsâ€™ Sensor Data: A Commissioning Experience Report. , 2017, , .		6
31	On the Complexity of Smart Buildings Occupant Behavior. , 2017, , .		6
32	Towards systematic reliability modeling of smart buildings. , 2017, , .		1
33	Reliability modeling of cyber-physical systems: A holistic overview and challenges. , 2017, , .		14
34	A service-oriented middleware for cloud of things and fog computing supporting smart city applications. , 2017, , .		19
35	A framework for collaborative cloud-based fault detection and diagnosis in smart buildings. , 2017, , .		7
36	Middleware Challenges for Cyber-Physical Systems. Scalable Computing, 2017, 18, .	0.7	4

#	ARTICLE	IF	CITATIONS
37	Mobile Crowdsourcing of Data for Fault Detection and Diagnosis in Smart Buildings. , 2016, , .		6
38	Middleware to support cyber-physical systems. , 2016, , .		7
39	Reliability of cyber physical systems with focus on building management systems. , 2016, , .		18
40	CE-BEMS: A cloud-enabled building energy management system. , 2016, , .		22
41	Fault detection and diagnosis for smart buildings: State of the art, trends and challenges. , 2016, , .		35
42	Software Engineering Issues for Cyber-Physical Systems. , 2016, , .		11
43	SBDaaS: Smart building diagnostics as a service on the cloud. , 2016, , .		11
44	Challenges in the Data Collection for Diagnostics of Smart Buildings. Lecture Notes in Electrical Engineering, 2016, , 941-951.	0.3	11
45	Modeling and simulation for enterprise decision-making: Successful projects and approaches. , 2015, , .		1
46	Challenge. , 2015, , .		13
47	Poster Abstract. , 2015, , .		2
48	Evolution of Feature-Oriented Software: How to Stay on Course and Avoid the Cliffs of Modularity Drift. Communications in Computer and Information Science, 2015, , 183-201.	0.4	5
49	Commercial Buildings Energy Performance within Context - Occupants in Spotlight. , 2015, , .		13
50	Project Schedule Simulation: Incorporating Human Factorsâ€™ Uncertainty and Featuresâ€™ Priority in Task Modeling. Journal of Software, 2015, 10, 939-960.	0.6	1
51	Simulation and Modeling Efforts to Support Decision Making in Healthcare Supply Chain Management. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	34
52	A Service-Oriented Middleware for Building Collaborative UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 309-321.	2.0	29
53	Modeling and simulation of epidemic spread: Recent advances. , 2013, , .		4
54	Middleware requirements for collaborative unmanned aerial vehicles. , 2013, , .		13

#	ARTICLE	IF	CITATIONS
55	Performance Modeling of Data Dissemination in Vehicular Ad Hoc Networks. , 2013, , .		1
56	Recent trends in solving the deterministic resource constrained Project Scheduling Problem. , 2013, , .		3
57	Simulation-based Feature Selection for Software Requirements Baseline. Journal of Software, 2012, 7, .	0.6	3
58	A simulation-based approach to enhancing project schedules by the inclusion of remedial action scenarios. , 2011, , .		4
59	A Combination of Compositional Index and Genetic Algorithm for Predicting Transmembrane Helical Segments. PLoS ONE, 2011, 6, e21821.	1.1	15
60	A genetic algorithm to enhance transmembrane helices prediction. , 2011, , .		5
61	Floating Task: Introducing and Simulating a Higher Degree of Uncertainty in Project Schedules. , 2010, , .		3
62	Proxel-Based Performability Analysis of Non-Markovian Phased-Mission Systems. , 2010, , .		0
63	Protein-protein interaction based on pairwise similarity. BMC Bioinformatics, 2009, 10, 150.	1.2	47
64	True state-space complexity prediction: By the proxel-based simulation method. , 2009, , .		1
65	A fresh look at majority multiplexing when devices get into the picture. , 2007, , .		16
66	Accurate Nano-Circuits Reliability Evaluations Based on Combining Numerical Simulations with Monte Carlo. , 2007, , .		1
67	Reliability the Fourth Optimization Pillar of Nanoelectronics. , 2007, , .		3
68	Why Nano-DSP Will be Fan-In Constrained. , 2007, , .		0
69	Proxels for Reliability Assessment of Future Nano-Architectures. , 2007, , .		2