

Jinzhi Lu

List of Publications by Year in Descending Order

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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.

41
papers

164
citations

8
h-index

9
g-index

54
ext. papers

296
ext. citations

2
avg, IF

3.52
L-index

#	Paper	IF	Citations
41	Cognitive Digital Twins for Resilience in Production: A Conceptual Framework. <i>Information (Switzerland)</i> , 2022 , 13, 33	2.6	2
40	Model-based system engineering supporting production scheduling based on satisfiability modulo theory. <i>Journal of Industrial Information Integration</i> , 2022 , 100329	7	1
39	Semantic Modeling Approach Supporting Process Modeling and Analysis in Aircraft Development. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3067	2.6	
38	A blockchain and IoT based lightweight framework for enabling information transparency in supply chain finance. <i>Digital Communications and Networks</i> , 2022 ,	5.9	3
37	Cognitive twin construction for system of systems operation based on semantic integration and high-level architecture. <i>Integrated Computer-Aided Engineering</i> , 2022 , 1-19	5.2	1
36	Systematic Literature Review of MBSE Tool-Chains. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3431	2.6	1
35	Ontology-based system to support industrial system design for aircraft assembly. <i>IFAC-PapersOnLine</i> , 2022 , 55, 175-180	0.7	0
34	3D Visualization Supporting Situational Awareness of Model-Based System of Systems. <i>Communications in Computer and Information Science</i> , 2022 , 113-127	0.3	
33	Digital Twin-Enabled Decision Support Services in Industrial Ecosystems. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11418	2.6	4
32	Integration of modeling and verification for system model based on KARMA language 2021 ,		2
31	Model-based Systems Engineering Supporting Cost Analysis of Aircraft Development Process 2021 ,		1
30	A Bibliometric Analysis on Model-based Systems Engineering 2021 ,		1
29	Model-Based Systems Engineering Supporting Integrated Modeling and Optimization of Radar Cabin Layout. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 218-227	0.5	
28	Supporting Digital Twin Integration Using Semantic Modeling and High-Level Architecture. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 228-236	0.5	1
27	Semantic Modeling Supports the Integration of Concept-Decision-Knowledge. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 208-217	0.5	
26	A Cognitive Approach to Manage the Complexity of Digital Twin Systems. <i>Progress in IS</i> , 2021 , 105-115	0.9	2
25	Design Ontology Supporting Model-Based Systems Engineering Formalisms. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	6

24	Model-Based Systems Engineering Tool-Chain for Automated Parameter Value Selection. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-15	7.3	9
23	A Knowledge Management Approach Supporting Model-Based Systems Engineering. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 581-590	0.4	2
22	Cyber-Physical LPG Debutanizer Distillation Columns: Machine-Learning-Based Soft Sensors for Product Quality Monitoring. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11790	2.6	0
21	Probabilistic Inference of Fault Condition of Cyber-Physical Systems Under Uncertainty. <i>IEEE Systems Journal</i> , 2020 , 14, 3256-3266	4.3	2
20	Cognitive Twins for Supporting Decision-Makings of Internet of Things Systems. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 105-115	0.4	10
19	Systems Engineering Approach to Identify Requirements for Digital Twins Development. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 82-90	0.5	2
18	Decentralized Industrial IoT Data Management Based on Blockchain and IPFS. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 222-229	0.5	5
17	A domain-specific modeling approach supporting tool-chain development with Bayesian network models. <i>Integrated Computer-Aided Engineering</i> , 2020 , 27, 153-171	5.2	3
16	General Modeling Language Supporting Model Transformations of MBSE (Part 2). <i>IncoSE International Symposium</i> , 2020 , 30, 1460-1473	0.4	5
15	General Modeling Language to Support Model-based Systems Engineering Formalisms (Part 1). <i>IncoSE International Symposium</i> , 2020 , 30, 323-338	0.4	11
14	A Quality-Oriented Digital Twin Modelling Method for Manufacturing Processes Based on A Multi-Agent Architecture. <i>Procedia Manufacturing</i> , 2020 , 51, 309-315	1.5	14
13	A Complexity Analysis Approach for Model-based System Engineering 2020 ,		1
12	Design Ontology in a Case Study for Cosimulation in a Model-Based Systems Engineering Tool-Chain. <i>IEEE Systems Journal</i> , 2020 , 14, 1297-1308	4.3	8
11	Ontology Supporting Model-Based Systems Engineering Based on a GOPRR Approach. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 426-436	0.4	7
10	2018 ,		3
9	A Tool Integration Language to Formalize Co-simulation Tool-Chains for Cyber-Physical System (CPS). <i>Lecture Notes in Computer Science</i> , 2018 , 391-405	0.9	2
8	Empirical-Evolution of Frameworks Supporting Co-simulation Tool-Chain Development. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 813-828	0.4	6
7	A Service-Oriented Tool-Chain for Model-Based Systems Engineering of Aero-Engines. <i>IEEE Access</i> , 2018 , 6, 50443-50458	3.5	5

6	A Thermal Balance Oriented Task Mapping for CMPs 2018 ,		1
5	MBSE Applicability Analysis in Chinese Industry. <i>Incose International Symposium, 2018, 28, 1037-1051</i>	0.4	8
4	An MBSE Tool to Support Architecture Design for Spacecraft Electrical Power System. <i>Incose International Symposium, 2018, 28, 64-78</i>	0.4	0
3	An Investigation of Functionalities of Future Tool-chain for Aerospace Industry. <i>Incose International Symposium, 2017, 27, 1408-1422</i>	0.4	8
2	A PSO-Based Layout Method for GNSS Pseudolite System 2017 ,		1
1	An Investigation of Model-Based Design Framework for Aero-Engine Control Systems. <i>Lecture Notes in Electrical Engineering, 2016, 625-638</i>	0.2	1