

Dejiu Chen

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.

51
papers

364
citations

11
h-index

16
g-index

57
ext. papers

429
ext. citations

1.6
avg, IF

3.23
L-index

#	Paper	IF	Citations
51	Automatic optimisation of system architectures using EAST-ADL. <i>Journal of Systems and Software</i> , 2013 , 86, 2467-2487	3.3	37
50	A reference architecture for cooperative driving. <i>Journal of Systems Architecture</i> , 2013 , 59, 1095-1112	5.5	27
49	Automatic allocation of safety integrity levels 2010 ,		27
48	Modelling Support for Design of Safety-Critical Automotive Embedded Systems. <i>Lecture Notes in Computer Science</i> , 2008 , 72-85	0.9	23
47	Integrated safety and architecture modeling for automotive embedded systems*. <i>Elektrotechnik Und Informationstechnik</i> , 2011 , 128, 196-202	0.4	18
46	An architectural approach to the analysis, verification and validation of software intensive embedded systems. <i>Computing (Vienna/New York)</i> , 2013 , 95, 649-688	2.2	17
45	Component-based vs. model-based development: a comparison in the context of vehicular embedded systems		17
44	Systems Modeling with EAST-ADL for Fault Tree Analysis through HiP-HOPS*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 91-96		16
43	Managing Complexity of Automotive Electronics Using the EAST-ADL 2007 ,		14
42	Towards a Dynamically Reconfigurable Automotive Control System Architecture 2007 , 71-84		13
41	A Virtual Environment for the Management and Development of Cyber-Physical Manufacturing Systems. <i>IFAC-PapersOnLine</i> , 2015 , 48, 29-36	0.7	12
40	Model-based Toolchain for the Efficient Development of Safety-Relevant Automotive Embedded Systems 2011 ,		11
39	Model-Based Development of Automotive Embedded Systems. <i>Industrial Information Technology Series</i> , 2008 , 258-309		10
38	Model-Based Safety Engineering of Interdependent Functions in Automotive Vehicles Using EAST-ADL2. <i>Lecture Notes in Computer Science</i> , 2010 , 332-346	0.9	10
37	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
36	Model-Based Analysis and Engineering of Automotive Architectures with EAST-ADL. <i>International Journal of Conceptual Structures and Smart Applications</i> , 2015 , 3, 25-70		8
35	Verifying system behaviors in EAST-ADL2 with the SPIN model checker 2010 ,		8

34	Towards Improving Dependability of Automotive Systems by Using the EAST-ADL Architecture Description Language. <i>Lecture Notes in Computer Science</i> , 2007 , 39-65	0.9	8
33	From EAST-ADL to AUTOSAR Software Architecture: A Mapping Scheme. <i>Lecture Notes in Computer Science</i> , 2011 , 328-335	0.9	6
32	A model-based approach to qualified process automation for anomaly detection and treatment 2016 ,		5
31	A Model-Based Approach to Dynamic Self-assessment for Automated Performance and Safety Awareness of Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , 2017 , 227-240	0.9	5
30	A knowledge-in-the-loop approach to integrated safety&security for cooperative system-of-systems 2015 ,		5
29	A Service-Oriented Tool-Chain for Model-Based Systems Engineering of Aero-Engines. <i>IEEE Access</i> , 2018 , 6, 50443-50458	3.5	5
28	Experience on applying software architecture recovery to automotive embedded systems 2014 ,		4
27	Model integration in the development of embedded control systems - a characterization of current research efforts 2006 ,		4
26	A Methodological Framework for Model-Based Self-management of Services and Components in Dependable Cyber-Physical Systems. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 97-105	0.4	4
25	Architecting Safety Supervisors for High Levels of Automated Driving 2018 ,		4
24	Towards an Ontology-Based Approach to Safety Management in Cooperative Intelligent Transportation Systems. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 107-115	0.4	3
23	2018 ,		3
22	2017 ,		3
21	A Strategy for Assessing Safe Use of Sensors in Autonomous Road Vehicles. <i>Lecture Notes in Computer Science</i> , 2017 , 149-161	0.9	3
20	Autonomic Middleware for Automotive Embedded Systems 2009 , 169-210		3
19	A Sensor-Based Decision Support System for Transfemoral Socket Rectification. <i>Sensors</i> , 2021 , 21,	3.8	3
18	Probabilistic Inference of Fault Condition of Cyber-Physical Systems Under Uncertainty. <i>IEEE Systems Journal</i> , 2020 , 14, 3256-3266	4.3	2
17	Self configuration of dependent tasks for dynamically reconfigurable automotive embedded systems 2008 ,		2

16	Model-Based Analysis and Engineering of Automotive Architectures with EAST-ADL. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2014 , 242-282	0.4	2
15	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
14	Design of a Knowledge-Base Strategy for Capability-Aware Treatment of Uncertainties of Automated Driving Systems. <i>Lecture Notes in Computer Science</i> , 2018 , 446-457	0.9	2
13	An Investigation of Model-Based Design Framework for Aero-Engine Control Systems. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 625-638	0.2	1
12	Signal Feature Analysis for Dynamic Anomaly Detection of Components in Embedded Control Systems. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 471-481	0.4	1
11	Uncertainty Management in Situation Awareness for Cyber-Physical Systems 2020 ,		1
10	17 Towards Model-Based Engineering of Self-configuring Embedded Systems. <i>Lecture Notes in Computer Science</i> , 2010 , 345-353	0.9	1
9	An Adaptive Resource Provisioning Scheme for Industrial SDN Networks 2019 ,		1
8	Towards QoS-Aware Service-Oriented Communication in E/E Automotive Architectures 2018 ,		1
7	Analyzing Dynamic Operational Conditions of Limb Prosthetic Sockets with a Mechatronics-Twin Framework. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 986	2.6	
6	Model-Based Development of Automotive Embedded Systems 2017 , 10-1-10-52		
5	Component-Based Development 2013 , 179-212		
4	Architecture Exploration 2013 , 145-178		
3	Module-based quality system functionality evaluation in production logistics. <i>Journal of Industrial Engineering and Management</i> , 2016 , 9, 310	1.7	
2	A Fault Injection Tool for Identifying Faulty Operations of Control Functions in Automated Driving Systems. <i>Lecture Notes in Networks and Systems</i> , 2022 , 340-349	0.5	
1	Using Fault Injection for the Training of Functions to Detect Soft Errors of DNNs in Automotive Vehicles. <i>Lecture Notes in Networks and Systems</i> , 2022 , 308-318	0.5	