Muhammad Waseem Anwar

List of Publications by Year
in descending order

100 papers	877 citations	566801 15 h-index	580395 25 g-index
103 all docs	103 docs citations	103 times ranked	439 citing authors

#	Article	IF	Citations
1	Toward the tools selection in model based system engineering for embedded systems—A systematic literature review. Journal of Systems and Software, 2015, 106, 150-163.	3.3	78
2	A Systematic Review on Code Clone Detection. IEEE Access, 2019, 7, 86121-86144.	2.6	66
3	A Systematic Review of Online Exams Solutions in E-Learning: Techniques, Tools, and Global Adoption. IEEE Access, 2021, 9, 32689-32712.	2.6	65
4	Model-based design verification for embedded systems through SVOCL: an OCL extension for SystemVerilog. Design Automation for Embedded Systems, 2017, 21, 1-36.	0.7	43
5	A model-driven framework for design and verification of embedded systems through SystemVerilog. Design Automation for Embedded Systems, 2019, 23, 179-223.	0.7	43
6	An Integrated Machine Learning Framework for Effective Prediction of Cardiovascular Diseases. IEEE Access, 2021, 9, 106575-106588.	2.6	43
7	Event-Driven Process Chain for Modeling and Verification of Business Requirements—A Systematic Literature Review. IEEE Access, 2018, 6, 9027-9048.	2.6	40
8	A Unified Model-Based Framework for the Simplified Execution of Static and Dynamic Assertion-Based Verification. IEEE Access, 2020, 8, 104407-104431.	2.6	30
9	The Applications of Natural Language Processing (NLP) for Software Requirement Engineering - A Systematic Literature Review. Lecture Notes in Electrical Engineering, 2017, , 485-493.	0.3	27
10	Automated Model-Based Test Case Generation for Web User Interfaces (WUI) From Interaction Flow Modeling Language (IFML) Models. IEEE Access, 2019, 7, 67331-67354.	2.6	26
11	A Comprehensive Investigation of Modern Test Suite Optimization Trends, Tools and Techniques. IEEE Access, 2019, 7, 89093-89117.	2.6	19
12	A Model-Driven Mobile HMI Framework (MMHF) for Industrial Control Systems. IEEE Access, 2020, 8, 10827-10846.	2.6	19
13	A systematic review of requirement traceability techniques and tools. , 2017, , .		18
14	A Systematic Review on the Data Interoperability of Application Layer Protocols in Industrial IoT. IEEE Access, 2021, 9, 96528-96545.	2.6	18
15	Model-based requirements and properties specifications trends for early design verification of embedded systems. , 2016, , .		17
16	A Model Driven Reverse Engineering Framework for Generating High Level UML Models From Java Source Code. IEEE Access, 2019, 7, 158931-158950.	2.6	17
17	A model-driven framework for data-driven applications in serverless cloud computing. PLoS ONE, 2020, 15, e0237317.	1.1	16
18	A systematic investigation of tools in model based system engineering for embedded systems. , 2016, , .		12

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19	A comprehensive investigation of natural language processing techniques and tools to generate automated test cases. , 2017, , .		12
20	A Systematic Literature Review on Interaction Flow Modeling Language (IFML). , 2018, , .		12
21	Comparative Analysis of EMG Signal Features in Time-domain and Frequency-domain using MYO Gesture Control. , 2018, , .		12
22	A Comprehensive Investigation of BPMN Models Generation from Textual Requirementsâ€"Techniques, Tools and Trends. Lecture Notes in Electrical Engineering, 2019, , 543-557.	0.3	12
23	Identification of trends for model based development of embedded systems. , 2015, , .		11
24	Expressing embedded systems verification aspects at higher abstraction level â€" SystemVerilog in Object Constraint Language (SVOCL). , 2016, , .		10
25	Model-Driven Development of Mobile Applications: A Systematic Literature Review. , 2018, , .		10
26	A Novel Framework to Automatically Generate Executable Web Services From BPMN Models. IEEE Access, 2019, 7, 93653-93677.	2.6	10
27	A Model-Driven Approach for Creating Storyboards of Web Based User Interfaces. , 2019, , .		9
28	UMLPACE for Modeling and Verification of Complex Business Requirements in Event-Driven Process Chain (EPC). IEEE Access, 2018, 6, 76198-76216.	2.6	8
29	Exploring the Platform for Expressing SystemVerilog Assertions in Model Based System Engineering. Lecture Notes in Electrical Engineering, 2016, , 533-544.	0.3	8
30	A Novel Framework and Tool for Multi-Purpose Modeling of Physical Infrastructures. , 2020, , .		8
31	Recent Trends in Underwater Wireless Sensor Networks (UWSNs) â€" A Systematic Literature Review. Programming and Computer Software, 2020, 46, 699-711.	0.5	8
32	A Novel Natural Language Processing (NLP) Approach to Automatically Generate Conceptual Class Model from Initial Software Requirements. Lecture Notes in Electrical Engineering, 2017, , 476-484.	0.3	7
33	Mobile User Interface Development Techniques: A Systematic Literature Review. , 2018, , .		7
34	A Model-Driven Approach for Access Control in Internet of Things (IoT) Applications â€" An Introduction to UMLOA. Communications in Computer and Information Science, 2018, , 198-209.	0.4	7
35	A Natural Language Processing (NLP) Framework for Embedded Systems to Automatically Extract Verification Aspects from Textual Design Requirements. , 2020, , .		7
36	Comparison of Model Checking Tools Using Timed Automata - PRISM and UPPAAL. , 2018, , .		6

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37	A Novel Framework for Change Requirement Management (CRM) In Agile Software Development (ASD). , 2019, , .		6
38	A Novel Approach for Software Requirement Prioritization Based Upon Non Functional Requirements. , 2019, , .		6
39	A Novel Model Driven Framework for Image Enhancement and Object Recognition. Communications in Computer and Information Science, 2020, , 14-25.	0.4	6
40	A UML Profile for Multi-Cloud Service Configuration (UMLPMSC) in Event-driven Serverless Applications. , 2019, , .		5
41	Implementation of SMART on FHIR in Developing Countries Through SFPBRF. , 2018, , .		4
42	A Model-Driven Framework for Security Labs using Blockchain Methodology. , 2021, , .		4
43	A Systematic Review on Software Project Scheduling and Task Assignment Approaches. , 2020, , .		4
44	Image Steganography using Least Significant Bit (LSB) - A Systematic Literature Review. , 2022, , .		4
45	A Systematic Review of Big Data Analytics Using Model Driven Engineering. , 2017, , .		3
46	Application of model driven engineering in cloud computing. , 2017, , .		3
47	Verification of Event-Driven Process Chain with Timed Automata and Time Petri Nets. , 2017, , .		3
48	Towards the Selection of Optimum Alarms System in Leading Industry Automation Software. , 2019, , .		3
49	Defining Meta-Model for Value-Oriented Requirement Prioritization Technique. , 2019, , .		3
50	A Systematic Literature Review on Factors Impacting Agile Adaptation in Global Software Development. , 2019, , .		3
51	A Novel Approach for Software Requirement Prioritization. , 2019, , .		3
52	The Applications of Model Driven Architecture (MDA) in Wireless Sensor Networks (WSN): Techniques and Tools. Lecture Notes in Networks and Systems, 2020, , 14-27.	0.5	3
53	A Block-chain Oriented Model Driven Framework for handling Inconsistent Requirements in Global Software Development. , 2021, , .		3
54	A Retargetable Model-Driven Framework for the Development of Mobile User Interfaces. Journal of Circuits, Systems and Computers, 2022, 31, .	1.0	3

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55	A Model-Driven Framework for Optimum Application Placement in Fog Computing Using a Machine Learning Based Approach. Communications in Computer and Information Science, 2020, , 102-112.	0.4	3
56	Exploring the Ensemble of Classifiers for Sentimental Analysis. , 2017, , .		2
57	A Comprehensive Investigation of Model Driven Architecture (MDA) for Reverse Engineering. , 2017, , .		2
58	A Model-driven Approach for Token Based Code Clone Detection Techniques - An Introduction to UMLCCD. , 2019, , .		2
59	Model-Based Scaffolding Code Generation for Cross-Platform Applications. , 2019, , .		2
60	A Model-Driven Alarms Framework (MAF) With Mobile Clients Support for Wide-Ranging Industrial Control Systems. IEEE Access, 2020, 8, 174279-174304.	2.6	2
61	Extension of Interaction Flow Modeling Language for Geographical Information Systems. , 2021, , .		2
62	Reverse Engineering of Object Oriented Systems to ALF. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 745-774.	0.6	2
63	A Framework for Automated Reengineering of BPMN Models by Excluding Inefficient Activities. , 2020, , .		2
64	A Model-Driven Framework for Ensuring Role Based Access Control in IoT Devices. , 2020, , .		2
65	Formal Requirements Specification. , 2020, , .		2
66	A Novel Approach for Modeling Security Aspects of Physical Infrastructures. , 2017, , .		1
67	Business Process Models to Web Services Generation: A Systematic Literature Review. , 2018, , .		1
68	A Model Driven Approach for State Management in Mobile Applications. , 2019, , .		1
69	A Novel Framework to Automatically Generate IFML Models From Plain Text Requirements. IEEE Access, 2019, 7, 183489-183513.	2.6	1
70	A UML Profile for Software Requirements Prioritization. , 2019, , .		1
71	A Model-Driven Framework for Early Analysis of Kill Chain Attacks. , 2021, , .		1
72	A Model-Driven Framework for Android Supporting Cross-Platform GUI Development. , 2021, , .		1

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73	A Model-Driven Framework for the Prevention of DoS Attacks in Software Defined Networking (SDN). , 2021, , .		1
74	A Model Based Neurorehabilitation (MBN) Framework using Kinect. , 2021, , .		1
75	A Systematic Review of Adaptive and Responsive Design Approaches for World Wide Web. Advances in Intelligent Systems and Computing, 2019, , 704-717.	0.5	1
76	A UML Profile for the Service Discovery in the Enterprise Cloud Bus (ECB) Framework. Advances in Intelligent Systems and Computing, 2020, , 269-279.	0.5	1
77	A SYSML-Based Approach for Requirements Risk Management and Change Control. , 2019, , .		1
78	Model Driven Approach for Automatic Script Generation in Stress Testing of Web Applications. , 2020, , .		1
79	AutoNet: Meta-model for Seamless Integration of Timed Automata and Colored Petri Nets. Lecture Notes in Computer Science, 2020, , 307-319.	1.0	1
80	A Comprehensive Investigation of Universal Verification Methodology (UVM) Standard for Design Verification. , 2020, , .		1
81	A Model-driven Approach for Formal Verification of Embedded Systems Using Timed Colored Petri Nets. , 2018, , .		0
82	A Systematic Review on Social Network Analysis. , 2018, , .		0
83	Model-Driven approach to Integrate Requirements for Safety-Critical Systems. , 2019, , .		0
84	A Meta-model For Software Project Change and Configuration Management. , 2019, , .		0
85	A Meta-model for Planning and Execution Activities in Software Project Integration Management. , 2019, , .		0
86	A Meta-Model to Automatically Generate Evolutionary Prototypes from Software Requirements. , 2019, , .		0
87	A UML Profile for Prediction of Significant Software Requirements. , 2019, , .		0
88	A Comprehensive Investigation of Formal System Verification Tools and Approaches. Advances in Intelligent Systems and Computing, 2019, , 1245-1255.	0.5	0
89	Recent Trends in Underwater Wireless Sensor Networks (UWSNs) â€" A Systematic Literature Review. Proceedings of the Institute for System Programming of RAS, 2021, 33, 97-110.	0.1	0
90	UML Profiling for Software Systems in Medical Device Manufacturing. Lecture Notes in Computer Science, 2019, , 265-277.	1.0	0

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91	A Model-Driven Approach for Simplified Cluster Based Test Suite Optimization of Industrial Systems â€" An Introduction to UMLTSO. Lecture Notes in Computer Science, 2019, , 152-163.	1.0	0
92	A Meta-Model for Regression Testing of Fintech Web Applications. Advances in Intelligent Systems and Computing, 2020, , 3-12.	0.5	0
93	A Multi-purpose Model Driven Platform for Contingency Planning and Shaping Response Measures. Lecture Notes in Computer Science, 2020, , 320-331.	1.0	0
94	Bridging the Gap between Design and Verification of Embedded Systems in Model Based System Engineering. , 2020, , .		0
95	An Approach of Usability Testing for Web User Interface Through Interaction Flow Modeling Language (IFML) Models. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 552-563.	0.5	0
96	A Meta-Model for Automated Black-Box Testing of Visualization Based Software Applications. , 2020, , .		0
97	A Novel Data Mining Approach for Detection of Polio Disease Using Spatio-Temporal Analysis. , 2020, , .		0
98	Clinical Utility Of Cavea2t2 Score For Assessing The Survival Of Brachiocephalic Arteriovenous Fistula. Journal of Ayub Medical College, Abbottabad: JAMC, 2020, 32, 287-290.	0.1	0
99	Integration of Smart Traffic Fog Nodes and Homes through a Model Driven Approach. , 2022, , .		0
100	A Model Driven Framework for Efficient Bandwidth Allocation in Fog Computing Using Priority Algorithm. , 2022, , .		0