

CITATION REPORT

List of articles citing

Testing machine learning based systems: a systematic mappi

DOI: 10.1007/s10664-020-09881-0

Empirical Software Engineering, 2020, 25, 5193-5254.

Source: <https://exaly.com/paper-pdf/76141547/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
70	The 2009-2020 Chinese Program on Self Driving and Parallel Testing [Editor's Column]. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2021 , 13, 3-247	2.6	2
69	CAGEN - Context-Action Generation for Testing Self-learning Functions. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 12-19	0.4	
68	Fail-Safe Execution of Deep Learning based Systems through Uncertainty Monitoring. 2021 ,		1
67	Quality Metrics and Oracles for Autonomous Vehicles Testing. 2021 ,		4
66	. 2021 ,		0
65	Software Testing or The Bugs Nightmare. 2021 , 1-21		1
64	Uncertainty-Wizard: Fast and User-Friendly Neural Network Uncertainty Quantification. 2021 ,		1
63	SBST Tool Competition 2021. 2021 ,		3
62	A Systematic Review on Software Robustness Assessment. <i>ACM Computing Surveys</i> , 2021 , 54, 1-65	13.4	1
61	Using Technology to Identify Children With Autism Through Motor Abnormalities. <i>Frontiers in Psychology</i> , 2021 , 12, 635696	3.4	2
60	If a System is Learning to Self-adapt, Who's Teaching?. 2021 ,		0
59	Test and Evaluation Framework for Multi-Agent Systems of Autonomous Intelligent Agents. 2021 ,		0
58	Testing challenges for NLP-intensive bots. 2021 ,		1
57	A Review and Refinement of Surprise Adequacy. 2021 ,		0
56	DeepHyperion: exploring the feature space of deep learning-based systems through illumination search. 2021 ,		2
55	Towards a model-driven approach for multiexperience AI-based user interfaces. <i>Software and Systems Modeling</i> , 2021 , 20, 997-1009	1.9	1
54	A software engineering perspective on engineering machine learning systems: State of the art and challenges. <i>Journal of Systems and Software</i> , 2021 , 180, 111031	3.3	13

53	The AIQ Meta-Testbed: Pragmatically Bridging Academic AI Testing and Industrial Q Needs. <i>Lecture Notes in Business Information Processing</i> , 2021 , 66-77	0.6	3
52	Software Verification and Validation of Safe Autonomous Cars: A Systematic Literature Review. <i>IEEE Access</i> , 2021 , 9, 4797-4819	3.5	8
51	Towards Anomaly Detectors that Learn Continuously. 2020 ,		5
50	Bridging Trust in Runtime Open Evaluation Scenarios. <i>Communications in Computer and Information Science</i> , 2021 , 112-120	0.3	
49	Efficient Computation of Robustness of Convolutional Neural Networks. 2021 ,		0
48	On Using Decision Tree Coverage Criteria for Testing Machine Learning Models. 2021 ,		
47	Confidence-driven weighted retraining for predicting safety-critical failures in autonomous driving systems. <i>Journal of Software: Evolution and Process</i> , e2386	1	0
46	Towards a Common Testing Terminology for Software Engineering and Data Science Experts. <i>Lecture Notes in Computer Science</i> , 2021 , 281-289	0.9	1
45	Parameter-Based Testing and Debugging of Autonomous Driving Systems. 2021 ,		0
44	Agility in Software 2.0 [Notebook Interfaces and MLOps with Buttresses and Rebars. <i>Lecture Notes in Business Information Processing</i> , 2022 , 3-16	0.6	0
43	Machine Learning Verification and Safety for Unmanned Aircraft - A Literature Study. 2022 ,		0
42	Systematic literature review on software quality for AI-based software. <i>Empirical Software Engineering</i> , 2022 , 27, 1	3.3	2
41	Testing the Plasticity of Reinforcement Learning Based Systems. <i>ACM Transactions on Software Engineering and Methodology</i> ,	3.3	1
40	On the Testability of Artificial Intelligence and Machine Learning Systems. <i>Computer</i> , 2022 , 55, 101-105	1.6	
39	Software Engineering for AI-Based Systems: A Survey. <i>ACM Transactions on Software Engineering and Methodology</i> , 2022 , 31, 1-59	3.3	7
38	A large experimentation to analyze the effects of implementation bugs in machine learning algorithms. <i>Future Generation Computer Systems</i> , 2022 , 133, 184-200	7.5	3
37	MC-FGSM: Black-box Adversarial Attack for Deep Learning System. 2021 ,		
36	What to Blame? On the Granularity of Fault Localization for Deep Neural Networks. 2021 ,		1

35	DeepMetis: Augmenting a Deep Learning Test Set to Increase its Mutation Score. 2021 ,		1
34	Identifying Microscopic Augmented Images using Pre-Trained Deep Convolutional Neural Networks. 2021 ,		0
33	The Good and the Bad: Using Neuron Coverage as a DNN Validation Technique. 2022 , 383-403		1
32	Putting Users in the Loop: How User Research Can Guide AI Development for a Consumer-Oriented Self-service Portal. <i>Lecture Notes in Computer Science</i> , 2022 , 3-19		0.9
31	The Present and Future of Bots in Software Engineering. <i>IEEE Software</i> , 2022 , 0-0		1.5
30	Robustness assessment and improvement of a neural network for blood oxygen pressure estimation. 2022 ,		
29	Efficient and Effective Feature Space Exploration for Testing Deep Learning Systems. <i>ACM Transactions on Software Engineering and Methodology</i> ,	3.3	1
28	Multi-objective metamorphic follow-up test case selection for deep learning systems. 2022 ,		1
27	Simple techniques work surprisingly well for neural network test prioritization and active learning (replicability study). 2022 ,		1
26	Parameter Coverage for Testing of Autonomous Driving Systems Under Uncertainty.		
25	Mind the Gap! A Study on the Transferability of Virtual vs Physical-world Testing of Autonomous Driving Systems. 2022 , 1-13		0
24	A Systematic Mapping of Quality Models for AI Systems, Software and Components. 2022 , 12, 8700		2
23	Exploring ML testing in practice. 2022 ,		0
22	Quality assurance of generative dialog models in an evolving conversational agent used for Swedish language practice. 2022 ,		0
21	Bayesian networks in project management: A scoping review. 2023 , 214, 119214		1
20	Low Code for Smart Software Development. 2023 , 40, 89-93		0
19	Community Smell Detection and Refactoring in SLACK: The CADOCs Project. 2022 ,		0
18	Machine learning computational tools to assist the performance of systematic reviews: A mapping review. 2022 , 22,		3

- 17 Assessing operational accuracy of CNN-based image classifiers using an oracle surrogate. **2023**, 17, 200172 ○
- 16 Comparing Input Prioritization Techniques for Testing Deep Learning Algorithms. **2022**, ○
- 15 ThirdEye: Attention Maps for Safe Autonomous Driving Systems. **2022**, 1
- 14 State-of-the-Art Review of Taxonomies for Quality Assessment of Intelligent Software Systems. **2022**, ○
- 13 Coordination-aware assurance for end-to-end machine learning systems: the R3E approach. **2023**, 339-367 ○
- 12 An introduction to AI assurance. **2023**, 3-12 ○
- 11 Uncertainty quantification for deep neural networks: An empirical comparison and usage guidelines. ○
- 10 Adversarial Deep Reinforcement Learning for Improving the Robustness of Multi-agent Autonomous Driving Policies. **2022**, ○
- 9 Bugs in machine learning-based systems: a faultload benchmark. **2023**, 28, ○
- 8 An annotation-based approach for finding bugs in neural network programs. **2023**, 201, 111669 ○
- 7 On the cost-effectiveness of composite metamorphic relations for testing deep learning systems. **2022**, ○
- 6 SBST tool competition 2022. **2022**, ○
- 5 Quo Te : Quality-oriented Testing for Deep Learning Systems. ○
- 4 Ergo, SMIRK is safe: a safety case for a machine learning component in a pedestrian automatic emergency brake system. 1
- 3 Securing DNN for smart vehicles: an overview of adversarial attacks, defenses, and frameworks. **2023**, 70, ○
- 2 Evaluating the Robustness of Deep Reinforcement Learning for Autonomous Policies in a Multi-Agent Urban Driving Environment. **2022**, ○
- 1 A Framework and Toolkit for Testing the Correctness of Recommendation Algorithms. ○