

Kyle D Julian

List of Publications by Year in descending order

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12
papers

1,198
citations

1937457

4
h-index

1872570

6
g-index

12
all docs

12
docs citations

12
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	Reluplex: An Efficient SMT Solver for Verifying Deep Neural Networks. Lecture Notes in Computer Science, 2017, , 97-117.	1.0	639
2	The Marabou Framework for Verification and Analysis of Deep Neural Networks. Lecture Notes in Computer Science, 2019, , 443-452.	1.0	213
3	Policy compression for aircraft collision avoidance systems. , 2016, , .		124
4	Deep Neural Network Compression for Aircraft Collision Avoidance Systems. Journal of Guidance, Control, and Dynamics, 2019, 42, 598-608.	1.6	89
5	Towards Proving the Adversarial Robustness of Deep Neural Networks. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 257, 19-26.	0.8	55
6	Guaranteeing Safety for Neural Network-Based Aircraft Collision Avoidance Systems. , 2019, , .		20
7	Reluplex: a calculus for reasoning about deep neural networks. Formal Methods in System Design, 2022, 60, 87-116.	0.9	19
8	Validation of Image-Based Neural Network Controllers through Adaptive Stress Testing. , 2020, , .		15
9	Global optimization of objective functions represented by ReLU networks. Machine Learning, 0, , 1.	3.4	9
10	Autonomous Distributed Wildfire Surveillance using Deep Reinforcement Learning. , 2018, , .		8
11	Decomposition methods with deep corrections for reinforcement learning. Autonomous Agents and Multi-Agent Systems, 2019, 33, 330-352.	1.3	4
12	Generating probabilistic safety guarantees for neural network controllers. Machine Learning, 2023, 112, 2903-2931.	3.4	3