Sorin Mihai Grigorescu

List of Publications by Year
in descending order

10 papers	848 citations	1937685 4 h-index	1720034 7 g-index
10 all docs	10 docs citations	10 times ranked	712 citing authors

#	Article	IF	Citations
1	A survey of deep learning techniques for autonomous driving. Journal of Field Robotics, 2020, 37, 362-386.	6.0	771
2	NeuroTrajectory: A Neuroevolutionary Approach to Local State Trajectory Learning for Autonomous Vehicles. IEEE Robotics and Automation Letters, 2019, 4, 3441-3448.	5.1	35
3	Cloud2Edge Elastic AI Framework for Prototyping and Deployment of AI Inference Engines in Autonomous Vehicles. Sensors, 2020, 20, 5450.	3.8	10
4	Deep Grid Net (DGN): A Deep Learning System for Real-Time Driving Context Understanding. , 2019, , .		8
5	GridSim: A Vehicle Kinematics Engine for Deep Neuroevolutionary Control in Autonomous Driving. , 2019, , .		6
6	ObserveNet Control: A Vision-Dynamics Learning Approach to Predictive Control in Autonomous Vehicles. IEEE Robotics and Automation Letters, 2021, 6, 6915-6922.	5.1	6
7	GFPNet: A Deep Network for Learning Shape Completion in Generic Fitted Primitives. IEEE Robotics and Automation Letters, 2020, 5, 4493-4500.	5.1	4
8	OctoPath: An OcTree-Based Self-Supervised Learning Approach to Local Trajectory Planning for Mobile Robots. Sensors, 2021, 21, 3606.	3.8	4
9	LVD-NMPC: A learning-based vision dynamics approach to nonlinear model predictive control for autonomous vehicles. International Journal of Advanced Robotic Systems, 2021, 18, 172988142110195.	2.1	3
10	Vision dynamics-based learning control. , 2021, , 243-257.		1