Mattias Wahde

List of Publications by Year
in descending order

22 papers	441 citations	1478505 6 h-index	1281871 11 g-index
22 all docs	22 docs citations	22 times ranked	532 citing authors

#	Article	IF	Citations
1	LIDAR–camera fusion for road detection using fully convolutional neural networks. Robotics and Autonomous Systems, 2019, 111, 125-131.	5.1	214
2	Detecting Driver Sleepiness Using Optimized Nonlinear Combinations of Sleepiness Indicators. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 97-108.	8.0	67
3	LIDAR-based driving path generation using fully convolutional neural networks. , 2017, , .		28
4	Learning Traversability From Point Clouds in Challenging Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 296-305.	8.0	27
5	Particle swarm optimization of feedforward neural networks for the detection of drowsy driving. , 2008, , .		18
6	A survey of methods for classification of gene expression data using evolutionary algorithms. Expert Review of Molecular Diagnostics, 2006, 6, 101-110.	3.1	17
7	Structural Evolution of Central Pattern Generators for Bipedal Walking in 3D Simulation. , 2006, , .		12
8	Fuel-Efficient Driving Strategies for Heavy-Duty Vehicles: A Platooning Approach Based on Speed Profile Optimization. Journal of Advanced Transportation, 2018, 2018, 1-12.	1.7	10
9	Evolutionary optimization of a bipedal gait in a physical robot. , 2008, , .		9
10	Lidar–Camera Semi-Supervised Learning for Semantic Segmentation. Sensors, 2021, 21, 4813.	3.8	7
11	Truck Platooning Based on Lead Vehicle Speed Profile Optimization and Artificial Physics. , 2015, , .		6
12	Fuel consumption optimization of heavy-duty vehicles using genetic algorithms. , 2017, , .		5
13	DAISY: An Implementation of Five Core Principles for Transparent and Accountable Conversational AI. International Journal of Human-Computer Interaction, 2023, 39, 1856-1873.	4.8	5
14	UFLIBRARY: A SIMULATION LIBRARY IMPLEMENTING THE UTILITY FUNCTION METHOD FOR BEHAVIORAL ORGANIZATION IN AUTONOMOUS ROBOTS. International Journal on Artificial Intelligence Tools, 2007, 16, 507-536.	1.0	3
15	A Dialogue manager for task-oriented agents based on dialogue building-blocks and generic cognitive processing. , 2019, , .		3
16	Sleepy drivers on a slippery road: A pilot study using a driving simulator. Journal of Sleep Research, 2022, 31, e13488.	3.2	3
17	A method for real-time dynamic fleet mission planning for autonomous mining. Autonomous Agents and Multi-Agent Systems, 2019, 33, 564-590.	2.1	2
18	A method for performance analysis of a genetic algorithm applied to the problem of fuel consumption minimization for heavy-duty vehicles. Applied Soft Computing Journal, 2019, 80, 735-741.	7.2	2

#	Article	IF	Citations
19	The five Is: Key principles for interpretable and safe conversational AI. , 2021, , .		2
20	A General-purpose Transportation Robot An Outline of Work in Progress. , 2006, , .		1
21	Dynamical Friction in Disk Galaxies: The Radial Dependence. International Astronomical Union Colloquium, 1996, 157, 372-374.	0.1	0
22	Behavioral selection in domestic assistance robots: A comparison of different methods for optimization of utility functions. , 2006, , .		0