

Xiangkun He

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

522
citations

1307543

7
h-index

1474186

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g-index

12
all docs

12
docs citations

12
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive-neural-network-based robust lateral motion control for autonomous vehicle at driving limits. Control Engineering Practice, 2018, 76, 41-53.	5.5	178
2	Emergency steering control of autonomous vehicle for collision avoidance and stabilisation. Vehicle System Dynamics, 2019, 57, 1163-1187.	3.7	109
3	Interactive Control Paradigm-Based Robust Lateral Stability Controller Design for Autonomous Automobile Path Tracking With Uncertain Disturbance: A Dynamic Game Approach. IEEE Transactions on Vehicular Technology, 2018, 67, 6906-6920.	6.3	71
4	Adaptive Control of PMSM Servo System for Steering-by-Wire System With Disturbances Observation. IEEE Transactions on Transportation Electrification, 2022, 8, 2015-2028.	7.8	59
5	A vehicle stability control strategy with adaptive neural network sliding mode theory based on system uncertainty approximation. Vehicle System Dynamics, 2018, 56, 923-946.	3.7	54
6	A linear time-varying MPC method for vehicle path-following assistance based on steering torque. , 2017, , .		10
7	Path following control of tractor with an electro-hydraulic coupling steering system: Layered multi-loop robust control architecture. Biosystems Engineering, 2021, 209, 282-299.	4.3	10
8	A Robust Guiding Torque Control Method for Automatic Steering Using LMI Algorithm. IEEE Access, 2020, 8, 22162-22169.	4.2	9
9	Multi-objective Longitudinal Decision-making for Autonomous Electric Vehicle: A Entropy-constrained Reinforcement Learning Approach. , 2020, , .		8
10	Hierarchical speed control for autonomous electric vehicle through deep reinforcement learning and robust control. IET Control Theory and Applications, 2022, 16, 112-124.	2.1	7
11	Research on vehicle active steering control based on linear matrix inequality and hardware in the loop test scheme design and implement for active steering. Advances in Mechanical Engineering, 2019, 11, 168781401989210.	1.6	5
12	Autonomous emergency braking based on radial basis function neural network variable structure control for collision avoidance. , 2017, , .		2