Xiangkun He

List of Publications by Year
in descending order

12 papers	**522** citations	1307366 **7** h-index	1474057 **9** g-index
12 all docs	**12** docs citations	**12** times ranked	**431** citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical speed control for autonomous electric vehicle through deep reinforcement learning and robust control. IET Control Theory and Applications, 2022, 16, 112-124.	1.2	7
2	Adaptive Control of PMSM Servo System for Steering-by-Wire System With Disturbances Observation. IEEE Transactions on Transportation Electrification, 2022, 8, 2015-2028.	5.3	59
3	Path following control of tractor with an electro-hydraulic coupling steering system: Layered multi-loop robust control architecture. Biosystems Engineering, 2021, 209, 282-299.	1.9	10
4	A Robust Guiding Torque Control Method for Automatic Steering Using LMI Algorithm. IEEE Access, 2020, 8, 22162-22169.	2.6	9
5	Multi-objective Longitudinal Decision-making for Autonomous Electric Vehicle: A Entropy-constrained Reinforcement Learning Approach. , 2020, , .		8
6	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.	0.8	5
7	Emergency steering control of autonomous vehicle for collision avoidance and stabilisation. Vehicle System Dynamics, 2019, 57, 1163-1187.	2.2	109
8	Adaptive-neural-network-based robust lateral motion control for autonomous vehicle at driving limits. Control Engineering Practice, 2018, 76, 41-53.	3.2	178
9	A vehicle stability control strategy with adaptive neural network sliding mode theory based on system uncertainty approximation. Vehicle System Dynamics, 2018, 56, 923-946.	2.2	54
10	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.	3.9	71
11	A linear time-varying MPC method for vehicle path-following assistance based on steering torque. , 2017, , .		10
12	Autonomous emergency braking based on radial basis function neural network variable structure control for collision avoidance. , 2017, , .		2