

# Xuewu Ji

## List of Publications by Year in descending order

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42  
papers

923  
citations

567144

15  
h-index

501076

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g-index

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all docs

42  
docs citations

42  
times ranked

737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cascaded Steering Control Paradigm for the Lateral Automation of Heavy Commercial Vehicles. IEEE Transactions on Transportation Electrification, 2022, 8, 2346-2360.	5.3	6
2	A Skid-Steering Method for Path-Following Control of Distributed-Drive Articulated Heavy Vehicles. IEEE Access, 2022, 10, 31538-31547.	2.6	0
3	Front wheel angle tracking control research of intelligent heavy vehicle steering system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 3454-3467.	1.1	3
4	A Hierarchical Anti-Disturbance Path Tracking Control Scheme for Autonomous Vehicles Under Complex Driving Conditions. IEEE Transactions on Vehicular Technology, 2021, 70, 11244-11254.	3.9	14
5	Interactive and Worst-Case Optimized Robust Control for Potential Application to Guaranteeing Roll Stability for Intelligent Heavy Vehicle. International Journal of Automotive Technology, 2021, 22, 1291-1303.	0.7	2
6	Preliminary Research on the Driver's Evaluation during the Take-over Transitions. , 2021, , .		0
7	Research on Design of Variable Gear Ratio of Steer-by-Wire System and Comprehensive Feedback Control of Front Wheel Angle. , 2021, , .		0
8	Research on Energy Saving of Hybrid Power Steering System for Heavy Commercial Vehicles. , 2021, , .		0
9	Preview-scheduled steering assistance control for co-piloting vehicle: a human-like methodology. Vehicle System Dynamics, 2020, 58, 518-544.	2.2	16
10	A novel assist-steering method with direct yaw moment for distributed-drive articulated heavy vehicle. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2020, 234, 214-224.	0.5	7
11	A hierarchical adaptive control framework of path tracking and roll stability for intelligent heavy vehicle with MPC. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 2933-2946.	1.1	10
12	Multi-modal vehicle trajectory prediction based on mutual information. IET Intelligent Transport Systems, 2020, 14, 148-153.	1.7	18
13	Conditional Wasserstein Auto-Encoder for Interactive Vehicle Trajectory Prediction. , 2020, , .		2
14	Multi-objective Longitudinal Decision-making for Autonomous Electric Vehicle: A Entropy-constrained Reinforcement Learning Approach. , 2020, , .		8
15	Learning from Demonstration: Situation-Adaptive Lane Change Trajectory Planning for Automated Highway Driving. , 2020, , .		6
16	Shared Steering Torque Control for Lane Change Assistance: A Stochastic Game-Theoretic Approach. IEEE Transactions on Industrial Electronics, 2019, 66, 3093-3105.	5.2	94
17	Research on Lane a Compensation Method Based on Multi-Sensor Fusion. Sensors, 2019, 19, 1584.	2.1	10
18	Feedback Game-Based Shared Control Scheme Design for Emergency Collision Avoidance: A Fuzzy-Linear Quadratic Regulator Approach. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	23

#	ARTICLE	IF	CITATIONS
19	First Step to Human-Steering System Modelling and Control-Stretch Reflex Characteristic of Driver's Upper Limb Muscles. , 2019, , .		0
20	Emergency steering control of autonomous vehicle for collision avoidance and stabilisation. Vehicle System Dynamics, 2019, 57, 1163-1187.	2.2	109
21	Research on interactive steering control strategy between driver and AFS in different game equilibrium strategies and information patterns. Vehicle System Dynamics, 2018, 56, 1344-1374.	2.2	34
22	Adaptive-neural-network-based robust lateral motion control for autonomous vehicle at driving limits. Control Engineering Practice, 2018, 76, 41-53.	3.2	178
23	Investigation of a steering defect and its compensation using a steering-torque control strategy in an extreme driving situation. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2018, 232, 534-546.	1.1	7
24	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
25	Estimation of vehicle sideslip angle based on steering torque. International Journal of Advanced Manufacturing Technology, 2018, 94, 3229-3237.	1.5	15
26	Hierarchical Lateral Control Scheme for Autonomous Vehicle with Uneven Time Delays Induced by Vision Sensors. Sensors, 2018, 18, 2544.	2.1	20
27	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
28	State estimation in roll dynamics for commercial vehicles. Vehicle System Dynamics, 2017, 55, 313-337.	2.2	21
29	Game-theoretic modelling of shared steering control between driver and AFS considering different human-machine goal consistency. , 2017, , .		1
30	A linear time-varying MPC method for vehicle path-following assistance based on steering torque. , 2017, , .		10
31	Autonomous emergency braking based on radial basis function neural network variable structure control for collision avoidance. , 2017, , .		2
32	A new robust control method for active front steering considering the intention of the driver. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 518-531.	1.1	22
33	Simulated effect of driver and vehicle interaction on vehicle interior layout. International Journal of Industrial Ergonomics, 2015, 49, 11-20.	1.5	13
34	A modified structure internal model robust control method for the integration of active front steering and direct yaw moment control. Science China Technological Sciences, 2015, 58, 75-85.	2.0	21
35	Path planning and tracking for vehicle parallel parking based on preview BP neural network PID controller. Transactions of Tianjin University, 2015, 21, 199-208.	3.3	6
36	Method for measuring a driver's steering efficiency using electromyography. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2014, 228, 1170-1184.	1.1	20

#	ARTICLE	IF	CITATIONS
37	Simulated Effects of Head Movement on Contact Pressures Between Headforms and N95 Filtering Facepiece Respirators-Part 1: Headform Model and Validation. <i>Annals of Occupational Hygiene</i> , 2014, 58, 1175-85.	1.9	6
38	Reliability improvement of electric power steering system based on ISO 26262. , 2013, , .		9
39	Modeling and simulation of brushless dc motor control system for EPS applications. , 2012, , .		1
40	Nonlinear robust control of integrated vehicle dynamics. <i>Vehicle System Dynamics</i> , 2012, 50, 247-280.	2.2	45
41	Function of shoulder muscles of driver in vehicle steering maneuver. <i>Science China Technological Sciences</i> , 2012, 55, 3445-3454.	2.0	36
42	Multi-objective Seamless Self-scheduling Controller Design for Heavy Commercial Vehicle Lateral Automation: An LPV/ $\mathcal{H}_\infty$ Approach. <i>International Journal of Control, Automation and Systems</i> , 0, , 1.	1.6	3