

# Chongfeng Wei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4581237/publications.pdf>

Version: 2024-02-01

43  
papers

1,666  
citations

393982

19  
h-index

288905

40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Driversâ€™ Evaluation of Different Automated Driving Styles: Is It Both Comfortable and Natural?. Human Factors, 2024, 66, 787-806.	2.1	6
2	Human-Like Decision Making and Motion Control for Smooth and Natural Car Following. IEEE Transactions on Intelligent Vehicles, 2023, 8, 263-274.	9.4	13
3	Human-centred risk-potential-based trajectory planning of autonomous vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2023, 237, 393-409.	1.1	2
4	Interaction-Aware Decision-Making for Automated Vehicles Using Social Value Orientation. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1339-1349.	9.4	14
5	Short-Term Lateral Behavior Reasoning for Target Vehicles Considering Driver Preview Characteristic. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11801-11810.	4.7	3
6	Distributed Model Predictive Control Strategy for Constrained High-Speed Virtually Coupled Train Set. IEEE Transactions on Vehicular Technology, 2022, 71, 171-183.	3.9	36
7	RISE-Based Integrated Motion Control of Autonomous Ground Vehicles With Asymptotic Prescribed Performance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5336-5348.	5.9	44
8	EKF-Neural Network Observer Based Type-2 Fuzzy Control of Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4788-4800.	4.7	21
9	Path-tracking and lateral stabilisation for autonomous vehicles by using the steering angle envelope. Vehicle System Dynamics, 2021, 59, 1672-1696.	2.2	34
10	An Adaptive Motion Planning Technique for On-Road Autonomous Driving. IEEE Access, 2021, 9, 2655-2664.	2.6	30
11	A novel optimal power management strategy for plug-in hybrid electric vehicle with improved adaptability to traffic conditions. Journal of Power Sources, 2021, 489, 229512.	4.0	21
12	A hierarchical framework of emergency collision avoidance amid surrounding vehicles in highway driving. Control Engineering Practice, 2021, 109, 104751.	3.2	22
13	Trajectory Prediction of Preceding Target Vehicles Based on Lane Crossing and Final Points Generation Model Considering Driving Styles. IEEE Transactions on Vehicular Technology, 2021, 70, 8720-8730.	3.9	12
14	Optimal robust control of vehicle lateral stability using damped least-square backpropagation training of neural networks. Neurocomputing, 2020, 384, 256-267.	3.5	27
15	Traffic Status Prediction of Arterial Roads Based on the Deep Recurrent Q-Learning. Journal of Advanced Transportation, 2020, 2020, 1-17.	0.9	1
16	Commercial Vehicle-Based Robust Control of Seated Whole-Body Vibration Using Adaptive Indirect Type-2 Fuzzy Neural Network. IEEE Access, 2020, 8, 124949-124960.	2.6	4
17	Deriving metrics of driving comfort for autonomous vehicles: A dynamic latent variable model of speed choice. Analytic Methods in Accident Research, 2020, 28, 100133.	4.7	7
18	Measuring Driversâ€™ Physiological Response to Different Vehicle Controllers in Highly Automated Driving (HAD): Opportunities for Establishing Real-Time Values of Driver Discomfort. Information (Switzerland), 2020, 11, 390.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Achieving Driving Comfort of AVs by Combined Longitudinal and Lateral Motion Control. Lecture Notes in Mechanical Engineering, 2020, , 1107-1113.	0.3	2
20	Creating Kinematics-dependent Pedestrian Crossing Willingness Model When Interacting with Approaching Vehicle. , 2020, , .		1
21	A tunable nonlinear vibrational energy harvesting system with scissor-like structure. Mechanical Systems and Signal Processing, 2019, 125, 202-214.	4.4	29
22	A novel nonlinear road profile classification approach for controllable suspension system: Simulation and experimental validation. Mechanical Systems and Signal Processing, 2019, 125, 79-98.	4.4	45
23	Driver-centred Autonomous Vehicle Motion Control within A Blended Corridor. IFAC-PapersOnLine, 2019, 52, 212-217.	0.5	5
24	Appraisal of numerical based finite element method to synthesise the wheel-obstacle collision dynamics using a single-wheel tester. International Journal of Heavy Vehicle Systems, 2019, 26, 578.	0.1	0
25	Risk-based autonomous vehicle motion control with considering human driver's behaviour. Transportation Research Part C: Emerging Technologies, 2019, 107, 1-14.	3.9	47
26	MME-EKF-Based Path-Tracking Control of Autonomous Vehicles Considering Input Saturation. IEEE Transactions on Vehicular Technology, 2019, 68, 5246-5259.	3.9	122
27	Lane keeping of autonomous vehicles based on differential steering with adaptive multivariable super-twisting control. Mechanical Systems and Signal Processing, 2019, 125, 330-346.	4.4	72
28	Differential Steering Based Yaw Stabilization Using ISMC for Independently Actuated Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 627-638.	4.7	67
29	Host's Target Vehicle Model-Based Lateral State Estimation for Preceding Target Vehicles Considering Measurement Delay. IEEE Transactions on Industrial Informatics, 2018, 14, 4190-4199.	7.2	28
30	Vibrational energy harvesting by exploring structural benefits and nonlinear characteristics. Communications in Nonlinear Science and Numerical Simulation, 2017, 48, 288-306.	1.7	41
31	A comprehensive review on vibration energy harvesting: Modelling and realization. Renewable and Sustainable Energy Reviews, 2017, 74, 1-18.	8.2	660
32	Railway Air Brake Model and Parallel Computing Scheme. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	0.7	19
33	A finite-element-based approach to characterising FTire model for extended range of operation conditions. Vehicle System Dynamics, 2017, 55, 295-312.	2.2	19
34	A novel approach to energy harvesting from vehicle suspension system: Half-vehicle model. Energy, 2017, 134, 279-288.	4.5	67
35	Prediction of influence of operating conditions and tyre design parameters on tyre cornering characteristics. International Journal of Vehicle Performance, 2017, 3, 127.	0.2	3
36	Variable selection based near infrared spectroscopy quantitative and qualitative analysis on wheat wet gluten. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
37	The effects of tyre material and structure properties on relaxation length using finite element method. <i>Materials and Design</i> , 2016, 102, 14-20.	3.3	36
38	APPRAISAL OF TAKAGI'S SUGENO TYPE NEURO-FUZZY NETWORK SYSTEM WITH A MODIFIED DIFFERENTIAL EVOLUTION METHOD TO PREDICT NONLINEAR WHEEL DYNAMICS CAUSED BY ROAD IRREGULARITIES. <i>Transport</i> , 2016, 31, 211-220.	0.6	8
39	The induced shock and impact force as affected by the obstacle geometric factors during tire-obstacle collision dynamics. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 84, 47-55.	2.5	3
40	Simulation of tyre rolling resistance generated on uneven road. <i>International Journal of Vehicle Design</i> , 2016, 70, 113.	0.1	20
41	Research into the problem of wheel tread spalling caused by wheelset longitudinal vibration. <i>Vehicle System Dynamics</i> , 2015, 53, 546-567.	2.2	10
42	Transient dynamic behaviour of finite element tire traversing obstacles with different heights. <i>Journal of Terramechanics</i> , 2014, 56, 1-16.	1.4	53
43	Large DOF Coupler/Draft Gear System Models for Rail Vehicles. <i>Applied Mechanics and Materials</i> , 2012, 197, 381-385.	0.2	1