

# Chuan Ding

## List of Publications by Year in descending order

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63  
papers

2,971  
citations

201385

27  
h-index

168136

53  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2173  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mixed-Integer Program (MIP) for One-Way Multiple-Type Shared Electric Vehicles Allocation With Uncertain Demand. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8972-8984.	4.7	5
2	Collaborative control of traffic signal and variable guiding lane for isolated intersection under connected and automated vehicle environment. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 2052-2069.	6.3	28
3	DevNet: Deviation Aware Network for Lane Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17584-17593.	4.7	4
4	A Platoon-Based Hierarchical Merging Control for On-Ramp Vehicles Under Connected Environment. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21821-21832.	4.7	15
5	Driving as a commuting travel mode choice of car owners in urban China: Roles of the built environment. Cities, 2021, 112, 103114.	2.7	31
6	Non-linear associations between zonal built environment attributes and transit commuting mode choice accounting for spatial heterogeneity. Transportation Research, Part A: Policy and Practice, 2021, 148, 22-35.	2.0	40
7	Examining the spatial-temporal relationship between urban built environment and taxi ridership: Results of a semi-parametric GWPR model. Journal of Transport Geography, 2021, 96, 103172.	2.3	25
8	A panel analysis of the effect of the urban environment on the spatiotemporal pattern of taxi demand. Travel Behaviour & Society, 2020, 18, 29-36.	2.4	37
9	Exploring rider satisfaction with arterial BRT: An application of impact asymmetry analysis. Travel Behaviour & Society, 2020, 19, 82-89.	2.4	34
10	Introduction to special issue: Innovations for transport planning in China. Journal of Transport and Land Use, 2020, 13, 409-412.	0.7	0
11	A simulation-based approach to investigate the driver route choice behavior under the connected vehicle environment. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 65, 548-563.	1.8	11
12	A Speed Control Method at Successive Signalized Intersections Under Connected Vehicles Environment. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 117-128.	2.6	27
13	Spatial Interpolation of Missing Annual Average Daily Traffic Data Using Copula-Based Model. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 158-170.	2.6	18
14	Non-linear relationships between built environment characteristics and electric-bike ownership in Zhongshan, China. Transportation Research, Part D: Transport and Environment, 2019, 75, 286-296.	3.2	45
15	Built environment effects on fuel consumption of driving to work: Insights from on-board diagnostics data of personal vehicles. Transportation Research, Part D: Transport and Environment, 2019, 67, 565-575.	3.2	22
16	How does the built environment at residential and work locations affect car ownership? An application of cross-classified multilevel model. Journal of Transport Geography, 2019, 75, 37-45.	2.3	65
17	How does the station-area built environment influence Metrorail ridership? Using gradient boosting decision trees to identify non-linear thresholds. Journal of Transport Geography, 2019, 77, 70-78.	2.3	150
18	Parallel Architecture of Convolutional Bi-Directional LSTM Neural Networks for Network-Wide Metro Ridership Prediction. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2278-2288.	4.7	117

#	ARTICLE	IF	CITATIONS
19	A Method of Real-Time Leading Vehicle Detection of Adaptive Cruise Control System on Curved Road Based on V2V. , 2018, , .		0
20	Non-linear effects of the built environment on automobile-involved pedestrian crash frequency: A machine learning approach. Accident Analysis and Prevention, 2018, 112, 116-126.	3.0	97
21	A time-varying parameters vector auto-regression model to disentangle the time varying effects between drivers's responses and tolling on high occupancy toll facilities. Transportation Research Part C: Emerging Technologies, 2018, 88, 208-226.	3.9	7
22	A geographically and temporally weighted regression model to explore the spatiotemporal influence of built environment on transit ridership. Computers, Environment and Urban Systems, 2018, 70, 113-124.	3.3	184
23	Applying gradient boosting decision trees to examine non-linear effects of the built environment on driving distance in Oslo. Transportation Research, Part A: Policy and Practice, 2018, 110, 107-117.	2.0	164
24	Joint analysis of the spatial impacts of built environment on car ownership and travel mode choice. Transportation Research, Part D: Transport and Environment, 2018, 60, 28-40.	3.2	101
25	Using an ARIMA-GARCH Modeling Approach to Improve Subway Short-Term Ridership Forecasting Accounting for Dynamic Volatility. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1054-1064.	4.7	99
26	Sustainable station-level planning: An integrated transport and land use design model for transit-oriented development. Journal of Cleaner Production, 2018, 170, 1052-1063.	4.6	85
27	Eco-Driving at Successive Signalized Intersections under Partially Connected Vehicles Environment. , 2018, , .		1
28	Influence of Built Environment on Simultaneous Decision-Making Behavior for School Trips. , 2018, , .		0
29	Joint Analysis of the Commuting Departure Time and Travel Mode Choice: Role of the Built Environment. Journal of Advanced Transportation, 2018, 2018, 1-13.	0.9	7
30	Synergistic effects of the built environment and commuting programs on commute mode choice. Transportation Research, Part A: Policy and Practice, 2018, 118, 104-118.	2.0	94
31	Prioritizing Influential Factors for Freeway Incident Clearance Time Prediction Using the Gradient Boosting Decision Trees Method. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2303-2310.	4.7	161
32	Influences of built environment characteristics and individual factors on commuting distance: A multilevel mixture hazard modeling approach. Transportation Research, Part D: Transport and Environment, 2017, 51, 314-325.	3.2	56
33	Exploring the influence of built environment on travel mode choice considering the mediating effects of car ownership and travel distance. Transportation Research, Part A: Policy and Practice, 2017, 100, 65-80.	2.0	169
34	Investigating the impacts of built environment on vehicle miles traveled and energy consumption: Differences between commuting and non-commuting trips. Cities, 2017, 68, 25-36.	2.7	61
35	Evacuation travel behavior in regret minimization or utility maximization rules? Evidence from emergency context. KSCE Journal of Civil Engineering, 2017, 21, 440-446.	0.9	12
36	Exploring the Influence of Attitudes to Walking and Cycling on Commute Mode Choice Using a Hybrid Choice Model. Journal of Advanced Transportation, 2017, 2017, 1-8.	0.9	21

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37	Sensors in Connected Vehicle Technology: How Sensors Play a Critical Role. Journal of Sensors, 2017, 2017, 1-2.	0.6	1
38	The Effect of Connected Vehicle Environment on Global Travel Efficiency and Its Optimal Penetration Rate. Journal of Advanced Transportation, 2017, 2017, 1-10.	0.9	7
39	Predicting Short-Term Subway Ridership and Prioritizing Its Influential Factors Using Gradient Boosting Decision Trees. Sustainability, 2016, 8, 1100.	1.6	122
40	An Optimal Schedule for Urban Road Network Repair Based on the Greedy Algorithm. PLoS ONE, 2016, 11, e0164780.	1.1	14
41	The Built Environment and the Frequency of Cycling Trips by Urban Elderly: Insights from Zhongshan, China. Journal of Asian Architecture and Building Engineering, 2016, 15, 511-518.	1.2	24
42	Spatial heterogeneous impact of built environment on household auto ownership levels: evidence from analysis at traffic analysis zone scales. Transportation Letters, 2016, 8, 26-34.	1.8	38
43	A gradient boosting logit model to investigate driver's stop-or-run behavior at signalized intersections using high-resolution traffic data. Transportation Research Part C: Emerging Technologies, 2016, 72, 225-238.	3.9	77
44	Influential factors of red-light running at signalized intersection and prediction using a rare events logistic regression model. Accident Analysis and Prevention, 2016, 95, 266-273.	3.0	26
45	Short-Term Traffic States Forecasting Considering Spatial's Temporal Impact on an Urban Expressway. Transportation Research Record, 2016, 2594, 61-72.	1.0	15
46	A V2I-Based Signal Optimization Method and Simulation. , 2016, , .		0
47	A spatiotemporal correlative k-nearest neighbor model for short-term traffic multistep forecasting. Transportation Research Part C: Emerging Technologies, 2016, 62, 21-34.	3.9	312
48	Investigating the influential factors in the metro choice behavior: Evidences from Beijing, China. KSCE Journal of Civil Engineering, 2016, 20, 2947-2954.	0.9	5
49	Impacts of SOC on car-following behavior and travel time in the heterogeneous traffic system. Physica A: Statistical Mechanics and Its Applications, 2016, 441, 221-229.	1.2	40
50	Analysis of Road Traffic Network Cascade Failures with Coupled Map Lattice Method. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	7
51	A tour-based analysis of travel mode choice accounting for regional transit service. Journal of Central South University, 2015, 22, 402-408.	1.2	0
52	Impacts of the vehicle's fuel consumption and exhaust emissions on the trip cost allowing late arrival under car-following model. Physica A: Statistical Mechanics and Its Applications, 2015, 431, 52-62.	1.2	38
53	Analyzing trip cost allowing late arrival under car-following model. Modern Physics Letters B, 2015, 29, 1550157.	1.0	18
54	Exploring the influential factors in incident clearance time: Disentangling causation from self-selection bias. Accident Analysis and Prevention, 2015, 85, 58-65.	3.0	52

#	ARTICLE	IF	CITATIONS
55	Cross-Nested Joint Model of Travel Mode and Departure Time Choice for Urban Commuting Trips: Case Study in Marylandâ€™s Washington, DC Region. Journal of the Urban Planning and Development Division, ASCE, 2015, 141, .	0.8	29
56	Understanding the Role of Built Environment in Reducing Vehicle Miles Traveled Accounting for Spatial Heterogeneity. Sustainability, 2014, 6, 589-601.	1.6	28
57	Modeling the Joint Choice Decisions on Urban Shopping Destination and Travel-to-Shop Mode: A Comparative Study of Different Structures. Discrete Dynamics in Nature and Society, 2014, 2014, 1-10.	0.5	10
58	Joint analysis of urban shopping destination and travel mode choice accounting for potential spatial correlation between alternatives. Journal of Central South University, 2014, 21, 3378-3385.	1.2	3
59	Exploring the influence of built environment on tour-based commuter mode choice: A cross-classified multilevel modeling approach. Transportation Research, Part D: Transport and Environment, 2014, 32, 230-238.	3.2	93
60	The Impact of Employer Attitude to Green Commuting Plans on Reducing Car Driving: A Mixed Method Analysis. Promet - Traffic - Traffico, 2014, 26, 109-119.	0.3	10
61	An Evaluation on Coordinated Relationship between Urban Rail Transit and Land-use under TOD Mode. Journal of Transportation System Engineering and Information Technology, 2013, 13, 9-13.	0.6	9
62	Investigation of Transient Flow and Cavitation Phenomenon in the Injector under Different Pump Speed. , 2011, , .		0
63	Interactive Relations between Urban Arterial Transit Route and Land-Use under TOD Mode. Applied Mechanics and Materials, 0, 97-98, 1201-1205.	0.2	0