

Congested traffic states in empirical observations and n

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Non-equilibrium price theories. Physica A: Statistical Mechanics and Its Applications, 2000, 287, 259-268.	1.2	5
2	Macroscopic traffic models from microscopic car-following models. Physical Review E, 2001, 64, 056126.	0.8	104
3	Boundary Induced Phase Transitions in Driven Lattice Gases with Metastable States. Physical Review Letters, 2001, 86, 2498-2501.	2.9	48
4	Empirical evidence for a boundary-induced nonequilibrium phase transition. Journal of Physics A, 2001, 34, L45-L52.	1.6	92
5	Traffic and related self-driven many-particle systems. Reviews of Modern Physics, 2001, 73, 1067-1141.	16.4	2,746
6	On-ramp simulations and solitary waves of a car-following model. Physical Review E, 2001, 64, 035602.	0.8	73
7	Traffic flow theory and its applications in automated vehicle control: a review. , 0, , .		5
8	Nonlinear Stability of Optimal Velocity Traffic Flow Model to Unsteady Disturbance. Journal of the Physical Society of Japan, 2001, 70, 3161-3166.	0.7	4
9	Multiple jamming transitions in traffic flow. Physica A: Statistical Mechanics and Its Applications, 2001, 290, 501-511.	1.2	22
10	Scaling behavior of crowd flow outside a hall. Physica A: Statistical Mechanics and Its Applications, 2001, 292, 545-554.	1.2	202
11	Scaling of pedestrian channel flow with a bottleneck. Physica A: Statistical Mechanics and Its Applications, 2001, 294, 257-268.	1.2	164
12	Complexity of Synchronized Flow and Related Problems for Basic Assumptions of Traffic Flow Theories. Networks and Spatial Economics, 2001, 1, 35-76.	0.7	124
13	Microsimulations of Freeway Traffic Including Control Measures. Automatisierungstechnik, 2001, 49, 478.	0.4	79
14	Enhancement and stabilization of traffic flow by moving in groups. Physical Review E, 2001, 64, 016106.	0.8	8
15	Standing localized cluster in a continuum traffic model. Physical Review E, 2001, 63, 056106.	0.8	6
16	Chaotic and periodic motions of a cyclic bus induced by speedup. Physical Review E, 2002, 66, 046103.	0.8	74
17	Impact of Unsteady Disturbance on Multi-lane Traffic Flow. Journal of the Physical Society of Japan, 2002, 71, 989-996.	0.7	12
18	Highway on-ramp control. Physical Review E, 2002, 65, 046103.	0.8	2

#	ARTICLE	IF	CITATIONS
19	Optimization of congested traffic by controlling stop-and-go waves. Physical Review E, 2002, 65, 065101.	0.8	18
20	Online traffic flow model applying the dynamic flow-density relation. , 2002, , .		17
21	Shock Wave Relation Containing Lane Change Source Term for Two-Lane Traffic Flow. Journal of the Physical Society of Japan, 2002, 71, 2339-2347.	0.7	16
22	Traffic patterns induced by the merging of two moving car platoons with different densities. Journal of Physics A, 2002, 35, 2145-2157.	1.6	3
23	Long-lived states in synchronized traffic flow: Empirical prompt and dynamical trap model. Physical Review E, 2002, 66, 016117.	0.8	101
24	Empirical macroscopic features of spatial-temporal traffic patterns at highway bottlenecks. Physical Review E, 2002, 65, 046138.	0.8	251
25	Cellular automata model simulating traffic interactions between on-ramp and main road. Physical Review E, 2002, 66, 036104.	0.8	99
26	Single-vehicle data of highway traffic: Microscopic description of traffic phases. Physical Review E, 2002, 65, 056133.	0.8	145
27	Cellular automata approach to three-phase traffic theory. Journal of Physics A, 2002, 35, 9971-10013.	1.6	383
28	A microscopic model for phase transitions in traffic flow. Journal of Physics A, 2002, 35, L31-L43.	1.6	225
29	The physics of traffic jams. Reports on Progress in Physics, 2002, 65, 1331-1386.	8.1	872
30	Towards a macroscopic modeling of the complexity in traffic flow. Physical Review E, 2002, 65, 036106.	0.8	20
31	Coupling of Concurrent Macroscopic and Microscopic Traffic Flow Models using Hybrid Stochastic and Deterministic Disaggregation. , 2002, , 583-605.		4
32	Synchronized flow as a new traffic phase and related problems for traffic flow modelling. Mathematical and Computer Modelling, 2002, 35, 481-508.	2.0	86
33	Micro- and macro-simulation of freeway traffic. Mathematical and Computer Modelling, 2002, 35, 517-547.	2.0	308
34	Modelling widely scattered states in "synchronized" traffic flow and possible relevance for stock market dynamics. Physica A: Statistical Mechanics and Its Applications, 2002, 303, 251-260.	1.2	12
35	Traffic flow: a statistical physics point of view. Physica A: Statistical Mechanics and Its Applications, 2002, 313, 153-187.	1.2	153
36	Mathematical Modeling of Traffic Flows. Automation and Remote Control, 2003, 64, 1651-1689.	0.4	42

#	ARTICLE	IF	CITATIONS
37	Spatio-temporal dynamics of jams in two-lane traffic flow with a blockage. Physica A: Statistical Mechanics and Its Applications, 2003, 318, 537-550.	1.2	98
38	Transitions to chaos of a shuttle bus induced by continuous speedup. Physica A: Statistical Mechanics and Its Applications, 2003, 321, 641-652.	1.2	4
39	First- and second-order phase transitions from free flow to synchronized flow. Physica A: Statistical Mechanics and Its Applications, 2003, 322, 676-684.	1.2	13
40	Chaos and headway distribution of shuttle buses that pass each other freely. Physica A: Statistical Mechanics and Its Applications, 2003, 323, 686-694.	1.2	17
41	Transition and saturation of traffic flow controlled by traffic lights. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 531-546.	1.2	135
42	Complex behavior of elevators in peak traffic. Physica A: Statistical Mechanics and Its Applications, 2003, 326, 556-566.	1.2	27
43	Critical Discussion of "Synchronized Flow", Simulation of Pedestrian Evacuation, and Optimization of Production Processes. , 2003, , 511-530.		11
44	Energy laws in human travel behaviour. New Journal of Physics, 2003, 5, 48-48.	1.2	65
45	Study on propagation speed of small disturbance from a car-following approach. Transportation Research Part B: Methodological, 2003, 37, 85-99.	2.8	20
46	Microscopic theory of spatial-temporal congested traffic patterns at highway bottlenecks. Physical Review E, 2003, 68, 036130.	0.8	179
47	Fluctuation of riding passengers induced by chaotic motions of shuttle buses. Physical Review E, 2003, 68, 036107.	0.8	18
48	Rational-driver approximation in car-following theory. Physical Review E, 2003, 68, 056109.	0.8	35
49	Continuum traffic model with the consideration of two delay time scales. Physical Review E, 2003, 68, 066123.	0.8	64
50	Memory effects in microscopic traffic models and wide scattering in flow-density data. Physical Review E, 2003, 68, 046119.	0.8	144
51	Euler-Lagrange Correspondence of Cellular Automaton for Traffic-Flow Models. Physical Review Letters, 2003, 90, 088701.	2.9	57
52	Open boundaries in a cellular automata model for synchronized flow: Effects of nonmonotonicity. Physical Review E, 2003, 68, 026135.	0.8	16
53	A section-based queueing-theoretical traffic model for congestion and travel time analysis in networks. Journal of Physics A, 2003, 36, L593-L598.	1.6	65
54	Cellular automata models for synchronized traffic flow. Journal of Physics A, 2003, 36, 381-390.	1.6	165

#	ARTICLE	IF	CITATIONS
55	Driver behaviour and traffic modelling. Are we looking at the right issues?. , 0, , .		7
56	Effect of adaptive cruise control systems on traffic flow. Physical Review E, 2004, 69, 066110.	0.8	216
57	Multilane simulations of traffic phases. Physical Review E, 2004, 69, 016108.	0.8	81
58	The physics of traffic and regional development. Contemporary Physics, 2004, 45, 405-426.	0.8	48
59	Calibration and Validation of Microscopic Traffic Flow Models. Transportation Research Record, 2004, 1876, 62-70.	1.0	157
60	Three-phase traffic theory and highway capacity. Physica A: Statistical Mechanics and Its Applications, 2004, 333, 379-440.	1.2	241
61	Dynamical transitions in peak elevator traffic. Physica A: Statistical Mechanics and Its Applications, 2004, 333, 441-452.	1.2	17
62	Determination of interaction potentials in freeway traffic from steady-state statistics. Physica A: Statistical Mechanics and Its Applications, 2004, 333, 370-378.	1.2	46
63	Stochastic multi-value cellular automata models for bicycle flow. Journal of Physics A, 2004, 37, 2063-2072.	1.6	64
64	Steady-state solutions of hydrodynamic traffic models. Physical Review E, 2004, 69, 016118.	0.8	39
65	Spatial-temporal patterns at an isolated on-ramp in a new cellular automata model based on three-phase traffic theory. Journal of Physics A, 2004, 37, 8197-8213.	1.6	80
66	Characteristics of vehicular traffic flow at a roundabout. Physical Review E, 2004, 70, 046132.	0.8	78
67	A stochastic cellular automaton model for traffic flow with multiple metastable states. Journal of Physics A, 2004, 37, 3101-3110.	1.6	56
68	Self-similar behavior of a single vehicle through periodic traffic lights. Physica A: Statistical Mechanics and Its Applications, 2005, 347, 673-682.	1.2	63
69	Fluctuation and transition of vehicular traffic through a sequence of traffic lights. Physica A: Statistical Mechanics and Its Applications, 2005, 350, 577-587.	1.2	10
70	Bunching and transition of vehicles controlled by a sequence of traffic lights. Physica A: Statistical Mechanics and Its Applications, 2005, 350, 563-576.	1.2	16
71	Chaos and dynamical transition of a single vehicle induced by traffic light and speedup. Physica A: Statistical Mechanics and Its Applications, 2005, 348, 561-571.	1.2	29
72	Traffic states and jamming transitions induced by a bus in two-lane traffic flow. Physica A: Statistical Mechanics and Its Applications, 2005, 350, 548-562.	1.2	39

#	ARTICLE	IF	CITATIONS
73	Phase separation and evolution of one pulse jam in traffic flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 354, 571-581.	1.2	2
74	Phase diagram in multi-phase traffic model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 355, 530-550.	1.2	40
75	Statistical analysis of floating-car data: an empirical study. <i>European Physical Journal B</i> , 2005, 47, 319-328.	0.6	20
77	Calibration and Validation of Microscopic Models of Traffic Flow. <i>Transportation Research Record</i> , 2005, 1934, 179-187.	1.0	32
78	Optimal Control of Freeway Networks with Bottlenecks and Static Demand. <i>Transportation Research Record</i> , 2005, 1925, 29-37.	1.0	1
79	Empirical Analysis of Traffic Sensor Data Surrounding a Bottleneck on a German Autobahn. <i>Transportation Research Record</i> , 2005, 1934, 96-107.	1.0	12
80	Stability of the car-following model on two lanes. <i>Physical Review E</i> , 2005, 72, 066124.	0.8	99
81	Calibration and Validation of Microscopic Traffic Flow Models. , 2005, , 67-72.		37
82	The german autobahn: an ITS test bed for examining dynamic traffic flow phenomena. , 0, , .		19
83	Using ITS data fusion to examine traffic dynamics on a freeway with variable speed limits. , 0, , .		11
84	Qualitative analysis of traffic jam formation in urban ring road. , 0, , .		2
85	A Framework for Mobility Models Generation and its Application to Inter-Vehicular Networks. , 0, , .		22
86	Stochastic optimal velocity model and its long-lived metastability. <i>Physical Review E</i> , 2005, 72, 035102.	0.8	74
87	Toward an improvement over Kerner-Klenov-Wolf three-phase cellular automaton model. <i>Physical Review E</i> , 2005, 72, 067103.	0.8	32
88	Microscopic features of moving traffic jams. <i>Physical Review E</i> , 2006, 73, 046107.	0.8	73
89	VanetMobiSim. , 2006, , .		316
90	Traffic model for clustering algorithms in vehicular ad-hoc networks. , 0, , .		10
91	Deterministic microscopic three-phase traffic flow models. <i>Journal of Physics A</i> , 2006, 39, 1775-1809.	1.6	125

#	ARTICLE	IF	CITATIONS
92	Automesh: Flexible Simulation Framework for Vehicular Communication. , 2006, , .		4
93	Understanding widely scattered traffic flows, the capacity drop, and platoons as effects of variance-driven time gaps. Physical Review E, 2006, 74, 016123.	0.8	138
94	Validating microscopic traffic flow models. , 2006, , .		8
95	A Primer on the Use of Intentional Dynamics Measures and Methods in Applied Research. Ecological Psychology, 2006, 18, 257-281.	0.7	2
96	Predicting Traffic lights to Improve Urban Traffic Fuel Consumption. , 2006, , .		36
97	Multi-Hop Vehicular Broadcast (MHVB). , 2006, , .		79
98	Modeling Pipeline Driving Behaviors. Transportation Research Record, 2006, 1980, 16-23.	1.0	10
99	Probabilistic Breakdown Phenomenon at On-Ramp Bottlenecks in Three-Phase Traffic Theory. Transportation Research Record, 2006, 1965, 70-78.	1.0	10
100	Continuum Traffic Model for Freeway with On- and Off-Ramp to Explain Different Traffic-Congested States. Transportation Research Record, 2006, 1965, 90-102.	1.0	6
101	Safety Assessment of Information Delay on Performance of Intelligent Vehicle Control System. Transportation Research Record, 2006, 1944, 16-25.	1.0	5
102	Toward Demonstrating Predictability of Bottleneck Activation on German Autobahns. Transportation Research Record, 2006, 1965, 12-22.	1.0	3
103	INFLUENCE OF REACTION TIMES AND ANTICIPATION ON THE STABILITY OF VEHICULAR TRAFFIC FLOW. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 205-210.	0.4	10
104	ANALYTICAL STABILITY STUDY OF A DETERMINISTIC CAR FOLLOWING MODEL UNDER MULTIPLE DELAY INTERACTIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 187-192.	0.4	13
105	Delays, inaccuracies and anticipation in microscopic traffic models. Physica A: Statistical Mechanics and Its Applications, 2006, 360, 71-88.	1.2	425
106	Steady state traffic flow, entropy production rate, temporal fluctuations and fuel consumption. Physica A: Statistical Mechanics and Its Applications, 2006, 361, 630-642.	1.2	4
107	Discontinuity at edge of traffic jam induced by slowdown. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 464-472.	1.2	26
108	Probabilistic breakdown phenomenon at on-ramp bottlenecks in three-phase traffic theory: Congestion nucleation in spatially non-homogeneous traffic. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 473-492.	1.2	27
109	Phase transition at an on-ramp in the Nagelâ€“Schreckenberg traffic flow model. Physica A: Statistical Mechanics and Its Applications, 2006, 366, 523-529.	1.2	29

#	ARTICLE	IF	CITATIONS
110	Control of vehicular traffic through a sequence of traffic lights positioned with disordered interval. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 368, 560-566.	1.2	63
111	A new anisotropic continuum model for traffic flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 368, 551-559.	1.2	142
112	Inefficient emergent oscillations in intersecting driven many-particle flows. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 368, 567-574.	1.2	42
113	Understanding interarrival and interdeparture time statistics from interactions in queuing systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 363, 62-72.	1.2	38
114	Coupled vehicle and information flows: Message transport on a dynamic vehicle network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 363, 73-81.	1.2	43
115	Traffic jam and discontinuity induced by slowdown in two-stage optimal-velocity model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 756-768.	1.2	10
116	ATLAS: A language to specify traffic models using Cell-DEVS. <i>Simulation Modelling Practice and Theory</i> , 2006, 14, 313-337.	2.2	8
117	Dispersion and scaling of fluctuating vehicles through a sequence of traffic lights. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 361, 619-629.	1.2	8
118	A control method for congested traffic induced by bottlenecks in the coupled map car-following model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 366, 513-522.	1.2	97
119	Controlling traffic flow near the transition to the synchronous flow phase. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 368, 541-550.	1.2	46
120	Chaos control and schedule of shuttle buses. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 371, 683-691.	1.2	17
121	Numerical analysis on car-following traffic flow models with delay time. <i>Journal of Zhejiang University: Science A</i> , 2006, 7, 204-209.	1.3	5
122	Wi-Fi based broadband wireless access for users on the road. <i>BT Technology Journal</i> , 2006, 24, 123-129.	0.6	18
123	Modeling the Spread of Worm Epidemics in Vehicular Ad Hoc Networks. , 0, , .		27
124	Neural Network-Wavelet Microsimulation Model for Delay and Queue Length Estimation at Freeway Work Zones. <i>Journal of Transportation Engineering</i> , 2006, 132, 331-341.	0.9	116
125	Automesh: Flexible Simulation Framework for Vehicular Communication. , 2006, , .		2
126	Modelling the Spread of Computer Worms in Vehicular Ad Hoc Networks. , 2006, , 115-124.		1
127	OPTIMAL VELOCITY MODEL WITH RELATIVE VELOCITY. <i>International Journal of Modern Physics C</i> , 2006, 17, 65-73.	0.8	7

#	ARTICLE	IF	CITATIONS
128	COMPLEXCITY: MODELING URBAN MOBILITY. International Journal of Modeling, Simulation, and Scientific Computing, 2007, 10, 255-270.	0.9	6
129	Empirical Features of Congested Traffic States and Their Implications for Traffic Modeling. Transportation Science, 2007, 41, 135-166.	2.6	210
130	A NEW CELLULAR AUTOMATON MODEL FOR TRAFFIC FLOW WITH DIFFERENT PROBABILITY FOR DRIVERS. International Journal of Modern Physics C, 2007, 18, 773-782.	0.8	8
131	Influence of Reaction Times and Anticipation on Stability of Vehicular Traffic Flow. Transportation Research Record, 2007, 1999, 23-29.	1.0	54
132	Study of Freeway Speed Limit Control Based on Three-Phase Traffic Theory. Transportation Research Record, 2007, 1999, 30-39.	1.0	30
133	Proactive traffic merging strategies for sensor-enabled cars. , 2007, , .		37
134	Delivering of Live Video Streaming for Vehicular Communication Using Peer-to-Peer Approach. , 2007, , .		22
135	Analysis of Density Wave in Two-Lane Traffic. Chinese Physics Letters, 2007, 24, 1410-1413.	1.3	26
136	A Multiphase Car-Following Model of Traffic Flow and Numerical Tests. , 2007, , .		9
137	Joint Modeling of Mobility and Communication in a V2V Network for Congestion Amelioration. , 2007, , .		5
138	General Lane-Changing Model MOBIL for Car-Following Models. Transportation Research Record, 2007, 1999, 86-94.	1.0	802
139	Driving Behaviour: Models and Challenges. Transport Reviews, 2007, 27, 65-84.	4.7	149
140	Autonomous Detection and Anticipation of Jam Fronts from Messages Propagated by Intervehicle Communication. Transportation Research Record, 2007, 1999, 3-12.	1.0	35
141	The DYMO Routing Protocol in VANET Scenarios. , 2007, , .		60
142	Reliable and Efficient Information Dissemination in Intermittently Connected Vehicular Adhoc Networks. IEEE Vehicular Technology Conference, 2007, , .	0.2	46
143	Cellular-automaton model with velocity adaptation in the framework of Kerner's three-phase traffic theory. Physical Review E, 2007, 76, 026105.	0.8	115
144	A Simulation Model for Traffic Behavior at Merging Sections in Highways. , 2007, , .		4
145	Vehicle-to- vehicle ad hoc communication protocol evaluation using realistic simulation framework. , 2007, , .		13

#	ARTICLE	IF	CITATIONS
146	Efficient Retrieval of User Contents in MANETs. , 2007, , .		12
147	Vehicular Mobility Simulation for VANETs. , 2007, , .		243
148	Understanding Vehicular Mobility in Network Simulation. , 2007, , .		19
149	Extending Adaptive Cruise Control to Adaptive Driving Strategies. Transportation Research Record, 2007, 2000, 16-24.	1.0	97
150	Hysteresis phenomena of the intelligent driver model for traffic flow. Physical Review E, 2007, 76, 016105.	0.8	21
151	Ant-Based Topology Convergence Algorithms for Resource Management in VANETs. , 2007, , 992-1000.		5
152	Nonlinear-map model for split effect on vehicular traffic through periodic signals. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 431-440.	1.2	10
153	Jam formation in traffic flow on a highway with some slowdown sections. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 419-430.	1.2	19
154	The night driving behavior in a car-following model. Physica A: Statistical Mechanics and Its Applications, 2007, 375, 297-306.	1.2	17
155	Traffic dispersion and its mapping to one-sided ballistic deposition. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 641-648.	1.2	1
156	A force model for single-line traffic. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 628-640.	1.2	8
157	Dynamical model for retrieval of tram schedule. Physica A: Statistical Mechanics and Its Applications, 2007, 377, 661-671.	1.2	4
158	Synchronized flow and phase separations in single-lane mixed traffic flow. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 475-484.	1.2	53
159	Phase diagram of speed gradient model with an on-ramp. Physica A: Statistical Mechanics and Its Applications, 2007, 377, 641-650.	1.2	24
160	Traffic mixing in deterministic two-lane model of Hurricane evacuation. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 490-502.	1.2	14
161	Vehicular traffic through a sequence of green-wave lights. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 503-511.	1.2	24
162	Study on stability and energy consumption in typical car-following models. Physica A: Statistical Mechanics and Its Applications, 2007, 381, 399-406.	1.2	47
163	Vehicular traffic through a self-similar sequence of traffic lights. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 381-387.	1.2	11

#	ARTICLE	IF	CITATIONS
164	Expansion, compression and triangular shockwaves in traffic flow above critical point. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 713-720.	1.2	2
165	Traffic dispersion induced by noise in off-lattice model. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 409-418.	1.2	2
166	Traffic congestion and dispersion in Hurricane evacuation. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 617-627.	1.2	14
167	Clustering and maximal flow in vehicular traffic through a sequence of traffic lights. Physica A: Statistical Mechanics and Its Applications, 2007, 377, 651-660.	1.2	79
168	Theory and simulation for jamming transitions induced by a slow vehicle in traffic flow. Physica A: Statistical Mechanics and Its Applications, 2007, 379, 263-273.	1.2	8
169	Passenger's fluctuation and chaos on ferryboats. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 613-623.	1.2	4
170	Traffic behavior in the on-ramp system with signal controlling. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 333-342.	1.2	24
171	Multiscale analysis of a spatially heterogeneous microscopic traffic model. Physica D: Nonlinear Phenomena, 2007, 236, 1-12.	1.3	3
172	Developing a software toolkit for urban traffic modeling. Software - Practice and Experience, 2007, 37, 1377-1404.	2.5	10
173	Traffic Jams: Dynamic Models for Neurofilament Accumulation in Motor Neuron Disease. Traffic, 2007, 8, 445-447.	1.3	9
174	Realistic Simulation of Network Protocols in VANET Scenarios. , 2007, , .		26
175	A modified NaSch model with density-dependent randomization for traffic flow. European Physical Journal B, 2007, 57, 103-108.	0.6	17
176	Empirical test of a microscopic three-phase traffic theory. Nonlinear Dynamics, 2007, 49, 525-553.	2.7	49
177	Applicable filtering framework for online multiclass freeway network estimation. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 599-616.	1.2	30
178	Fundamental diagram in traffic flow of mixed vehicles on multi-lane highway. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 5583-5596.	1.2	13
179	Intermittent unstable structures induced by incessant constant disturbances in the full velocity difference car-following model. Physica D: Nonlinear Phenomena, 2008, 237, 467-474.	1.3	9
180	A car-following model with the anticipation effect of potential lane changing. Acta Mechanica Sinica/Lixue Xuebao, 2008, 24, 399-407.	1.5	51
181	HMI: Pre-warning Index of Traffic Jam Formation on Urban Freeway. Journal of Transportation System Engineering and Information Technology, 2008, 8, 26-31.	0.6	1

#	ARTICLE	IF	CITATIONS
182	Vehicular motion through a sequence of traffic lights controlled by logistic map. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5887-5890.	0.9	11
183	An asymmetric full velocity difference car-following model. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 2595-2602.	1.2	89
184	Dynamics and schedule of shuttle bus controlled by traffic signal. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 5892-5900.	1.2	9
185	Adaptive cruise control design for active congestion avoidance. Transportation Research Part C: Emerging Technologies, 2008, 16, 668-683.	3.9	470
186	Effect of irregularity on vehicular traffic through a sequence of traffic lights. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1637-1647.	1.2	30
187	Analysis of maximum traffic flow and its breakdown on congested freeways. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4349-4366.	1.2	6
188	Comparing traffic flow models with different number of "phases". European Physical Journal B, 2008, 63, 315-320.	0.6	16
189	Disorder effect on the traffic flow behavior. European Physical Journal B, 2008, 64, 573-583.	0.6	3
190	How Reaction Time, Update Time, and Adaptation Time Influence the Stability of Traffic Flow. Computer-Aided Civil and Infrastructure Engineering, 2008, 23, 125-137.	6.3	145
191	Simulating the influence of IVC on road traffic using bidirectionally coupled simulators. , 2008, , .		46
192	From Existing Accident-Free Car-Following Models to Colliding Vehicles. Transportation Research Record, 2008, 2088, 45-56.	1.0	53
193	Realistic mobility models for Vehicular Ad hoc Network (VANET) simulations. , 2008, , .		35
194	IWAY: Towards highway vehicle-2-vehicle communication and driver support. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	4
195	CASCADE: Cluster-Based Accurate Syntactic Compression of Aggregated Data in VANETs. , 2008, , .		71
196	ASH: Application-aware SWANS with highway mobility. , 2008, , .		21
197	Empirical Investigation on Phase Diagram at Urban Freeway with On-ramp. , 2008, , .		2
198	Qualitative change of traffic flow induced by driver response. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	1
199	Layered Architecture for Mobility Models - LEMMA. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
200	Calibrating Car-Following Models by Using Trajectory Data. Transportation Research Record, 2008, 2088, 148-156.	1.0	339
201	Proactive sliding -window strategy for merging sensor-enabled cars. , 2008, , .		5
202	Effect of multi-velocity-difference in traffic flow. Chinese Physics B, 2008, 17, 4446-4450.	0.7	20
203	On the need for bidirectional coupling of road traffic microsimulation and network simulation. , 2008, , .		31
204	The networking shape of vehicular mobility. , 2008, , .		136
205	A theory of traffic congestion at heavy bottlenecks. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 215101.	0.7	53
206	Generic mobility simulation framework (GMSF). , 2008, , .		47
207	Linear stability analysis of a multi-vehicle car-following traffic flow model. , 2008, , .		3
208	OPERATIONAL EFFECTS OF ACCELERATION LANE ON MAIN TRAFFIC FLOW AT DISCONTINUITIES. Transportmetrica, 2008, 4, 195-207.	1.8	19
209	An environment for simulating vehicle’s motion along virtual routes. , 2008, , .		0
210	Longitudinal hopping in intervehicle communication: Theory and simulations on modeled and empirical trajectory data. Physical Review E, 2008, 78, 036102.	0.8	12
211	Modeling Driver Behavior as Sequential Risk-Taking Task. Transportation Research Record, 2008, 2088, 208-217.	1.0	85
212	Mechanisms for spatio-temporal pattern formation in highway traffic models. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 2017-2032.	1.6	148
213	Layered Mobility Model Architecture - LEMMA. African Journal of Information and Communication Technology, 2009, 5, .	0.5	1
214	Reinforcement Learning Ramp Metering Based on Traffic Simulation Model with Desired Speed. , 2009, , .		0
215	Networked Clean Vehicles, How the Environment Information will Improve Fuel Efficiency and CO2 Emissions. SAE International Journal of Fuels and Lubricants, 0, 2, 167-171.	0.2	6
216	Resonance, criticality, and emergence in city traffic investigated in cellular automaton models. Physical Review E, 2009, 80, 056108.	0.8	29
217	Dynamic Adaptation of Joint Transmission Power and Contention Window in VANET. , 2009, , .		47

#	ARTICLE	IF	CITATIONS
218	Reinforcement Learning Control for On-Ramp Metering Based on Traffic Simulation. , 2009, , .		3
219	Quantifying Performance Requirements of Vehicle-to-Vehicle Communication Protocols for Rear-End Collision Avoidance. , 2009, , .		31
220	FORESEE : A simulation platform for experiments on road traffic self-organization mechanisms. , 2009, , .		2
221	Approaching P2P communication in a vehicular ad hoc network. , 2009, , .		6
222	RBM: A Role Based Mobility Model for VANET. , 2009, , .		17
223	Reliability of Parameter Values Estimated Using Trajectory Observations. Transportation Research Record, 2009, 2124, 36-44.	1.0	17
224	Simulating Heterogeneous Traffic Flow on Roads with and without Bus Lanes. Journal of Infrastructure Systems, 2009, 15, 305-312.	1.0	21
225	Traffic states induced by slowdown sections on two-lane highway. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1196-1206.	1.2	11
226	The phase diagram and the pathway of phase transitions for traffic flow in a circular one-lane roadway. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1665-1672.	1.2	5
227	Discontinuous transition from free flow to synchronized flow induced by short-range interaction between vehicles in a three-phase traffic flow model. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3233-3243.	1.2	58
228	Modified Coupled Map Car-Following Model Based on Comprehensive Information of Preceding and Following Cars. Journal of Transportation System Engineering and Information Technology, 2009, 9, 62-68.	0.6	13
229	Traffic states and fundamental diagram in cellular automaton model of vehicular traffic controlled by signals. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1673-1681.	1.2	41
230	Two-lane traffic simulations with a blockage induced by an accident car. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2903-2910.	1.2	36
231	Effect of gravitational force upon traffic flow with gradients. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2880-2894.	1.2	70
232	Traffic flow on a toll highway with electronic and traditional tollgates. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4979-4990.	1.2	26
233	Vehicular motion on a selected path in a 2d traffic network controlled by signals. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2911-2921.	1.2	1
234	Green-light paths in city traffic controlled by signals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 536-539.	0.9	5
235	Theoretical vs. empirical classification and prediction of congested traffic states. European Physical Journal B, 2009, 69, 583-598.	0.6	110

#	ARTICLE	IF	CITATIONS
236	On the controversy around Daganzo's requiem for and Aw-Rascle's resurrection of second-order traffic flow models. <i>European Physical Journal B</i> , 2009, 69, 549-562.	0.6	66
237	Derivation of non-local macroscopic traffic equations and consistent traffic pressures from microscopic car-following models. <i>European Physical Journal B</i> , 2009, 69, 539-548.	0.6	68
238	A new car-following model with consideration of the traffic interruption probability. <i>Chinese Physics B</i> , 2009, 18, 975-983.	0.7	100
239	A probabilistic routing protocol in VANET. , 2009, , .		7
240	Criticism of three-phase traffic theory. <i>Transportation Research Part B: Methodological</i> , 2009, 43, 784-797.	2.8	100
241	Traffic and Crowd Dynamics: The Physics of the City. , 2009, , 9411-9429.		3
242	Mobility models for vehicular ad hoc networks: a survey and taxonomy. <i>IEEE Communications Surveys and Tutorials</i> , 2009, 11, 19-41.	24.8	546
243	Congestion Reduction Using Ad-Hoc Message Dissemination in Vehicular Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009, , 128-139.	0.2	7
244	Exciting traffic jams: Nonlinear phenomena behind traffic jam formation on highways. <i>Physical Review E</i> , 2009, 80, 046205.	0.8	106
245	Calibration of Car-Following Models Using Floating Car Data. , 2009, , 117-127.		8
246	Simulating train movement in railway traffic using a car-following model. <i>Chinese Physics B</i> , 2009, 18, 2200-2204.	0.7	13
247	Resilient P2P multimedia exchange in a VANET. , 2009, , .		9
248	Mathematical modelling of vehicle flow on a crossroads. , 2009, , .		2
249	Stabilization of traffic flow based on multi-anticipative intelligent driver model. , 2009, , .		5
250	p-IVG: Probabilistic Inter-Vehicle Geocast for Dense Vehicular Networks. , 2009, , .		44
251	Ticket-based reliable routing in VANET. , 2009, , .		5
252	Robust traffic merging strategies for sensor-enabled cars using time geography. , 2009, , .		7
253	Jamming transitions induced by a slow vehicle in traffic flow on a multi-lane highway. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P04002.	0.9	5

#	ARTICLE	IF	CITATIONS
254	Reducing Congestion in Obstructed Highways with Traffic Data Dissemination Using Ad hoc Vehicular Networks. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	3
255	Investigation of a mathematical model of a signal-controlled intersection. Proceedings of the Steklov Institute of Mathematics, 2010, 269, 297-308.	0.1	0
256	Modeling U-turn traffic flow. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 3640-3647.	1.2	17
257	Multi-agent systems for simulating traffic behaviors. Science Bulletin, 2010, 55, 293-300.	1.7	13
258	ACAR: Adaptive Connectivity Aware Routing for Vehicular Ad Hoc Networks in City Scenarios. Mobile Networks and Applications, 2010, 15, 36-60.	2.2	121
259	A Comparison of Phase Transitions Produced by PARAMICS, TransModeler, and VISSIM. IEEE Intelligent Transportation Systems Magazine, 2010, 2, 19-24.	2.6	29
260	An Open-Source Microscopic Traffic Simulator. IEEE Intelligent Transportation Systems Magazine, 2010, 2, 6-13.	2.6	56
261	Multi-agent-based simulation system for construction operations with congested flows. Automation in Construction, 2010, 19, 867-874.	4.8	47
262	Psychological elements in car-following models: Mental workload in case of incidents in the other driving lane. Procedia Engineering, 2010, 3, 87-99.	1.2	12
263	Traffic flow through multi-lane tollbooths on a toll highway. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2268-2279.	1.2	30
264	Randomness control of vehicular motion through a sequence of traffic signals at irregular intervals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2823-2826.	0.9	2
265	Explaining traffic patterns at on-ramp vicinity by a driver perception model in the framework of three-phase traffic theory. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 825-836.	1.2	42
266	Effect of speed fluctuations on a green-light path in a 2d traffic network controlled by signals. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4105-4115.	1.2	11
267	Car-to-X Simulation Environment for Comprehensive Design Space Exploration Verification and Test. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2010, 3, 17-26.	0.3	0
268	Case Study on the Evaluation of Equipment Flow at a Construction Site. Journal of Computing in Civil Engineering, 2010, 24, 570-575.	2.5	7
269	The Multi-Dependent Hurst Exponent in Traffic Time Series. Applied Mechanics and Materials, 2010, 20-23, 346-351.	0.2	0
270	Flow difference effect in the lattice hydrodynamic model. Chinese Physics B, 2010, 19, 040303.	0.7	46
271	Improving the Accuracy of IVC Simulation Using Crowd-sourced Geodata. PIK - Praxis Der Informationsverarbeitung Und Kommunikation, 2010, 33, .	0.2	9

#	ARTICLE	IF	CITATIONS
272	V-MBMM: Vehicular Mask-Based Mobility Model. , 2010, , .		8
273	Longitudinal driving behavior under adverse weather conditions: adaptation effects, model performance and freeway capacity in case of fog. , 2010, , .		24
274	On the effects of mobility for efficient broadcast data dissemination in I2V networks. , 2010, , .		6
275	Evaluating vehicular radio connectivity with environment-based metrics. , 2010, , .		1
276	Secure, selective group broadcast in vehicular networks using dynamic attribute based encryption. , 2010, , .		23
277	PERTURBATION AND STABILITY ANALYSIS OF THE MULTI-ANTICIPATIVE INTELLIGENT DRIVER MODEL. International Journal of Modern Physics C, 2010, 21, 647-668.	0.8	11
278	A new car-following model considering velocity anticipation. Chinese Physics B, 2010, 19, 010511-7.	0.7	24
279	Critical damping in a kinetic interaction network. , 2010, , .		2
280	Level of Service. Transportation Research Record, 2010, 2173, 20-27.	1.0	22
281	Mental Workload, Longitudinal Driving Behavior, and Adequacy of Car-Following Models for Incidents in Other Driving Lane. Transportation Research Record, 2010, 2188, 64-73.	1.0	26
282	Using Trajectory Data to Analyze Intradriver Heterogeneity in Car-Following. Transportation Research Record, 2010, 2188, 85-95.	1.0	51
283	A performance analysis of VANETs routing protocols using different mobility models. , 2010, , .		7
284	Highway mobility and vehicular ad-hoc networks in ns-3. , 2010, , .		57
285	Calibration of Acceleration-Based and Multi-Anticipative Car-Following Models by NGSIM Trajectory Data. , 2010, , .		0
286	Traffic jams: dynamics and control. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4455-4479.	1.6	302
287	Using V2V communication to create Over-the-horizon Awareness in multiple-lane highway scenarios. , 2010, , .		11
288	Safety message dissemination in VANETs: Flooding or trajectory-based?. , 2010, , .		10
289	Inversion of Flux between Zipper and Non-Zipper Merging in Highway Traffic. Lecture Notes in Computer Science, 2010, , 619-624.	1.0	2

#	ARTICLE	IF	CITATIONS
290	Calibration of MITSIM and IDM car-following model based on NGSIM trajectory datasets. , 2010, , .		34
291	An adaptive time gap car-following model. Transportation Research Part B: Methodological, 2010, 44, 1115-1131.	2.8	70
292	Three-phase traffic theory and two-phase models with a fundamental diagram in the light of empirical stylized facts. Transportation Research Part B: Methodological, 2010, 44, 983-1000.	2.8	159
293	Connectivity Statistics of Store-and-Forward Intervehicle Communication. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 172-181.	4.7	95
294	Enhanced intelligent driver model to access the impact of driving strategies on traffic capacity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4585-4605.	1.6	600
295	Constrained geocast to support Cooperative Adaptive Cruise Control (CACC) merging. , 2010, , .		29
296	Car-Following Model Calibration and Analysis of Intra-Driver Heterogeneity. Advanced Materials Research, 0, 108-111, 805-810.	0.3	5
297	Using traffic flow for cluster formation in vehicular ad-hoc networks. , 2010, , .		53
298	Effects of Cooperative Adaptive Cruise Control on traffic flow stability. , 2010, , .		149
299	DIVERT for realistic simulation of heterogeneous vehicular networks. , 2010, , .		20
300	Self-organized traffic control. , 2010, , .		136
301	The impacts of a communication based merging assistant on traffic flows of manual and equipped vehicles at an on-ramp using traffic flow simulation. , 2010, , .		50
302	Vehicular radio connectivity in urban environment. , 2010, , .		0
303	Microscopic simulation for virtual worlds with self-driving avatars. , 2010, , .		3
304	Using DTMon to monitor transient flow traffic. , 2010, , .		14
305	Platooning of autonomous vehicles with intervehicle communications in SUMO traffic simulator. , 2010, , .		70
306	Information sharing in sparse traffic area by low level carrier sense for VANET. , 2010, , .		1
307	Microscopic traffic simulation oriented road network data model. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
308	Context-driven disruption tolerant networking for vehicular applications. , 2010, , .		3
309	Abnormal Traffic Detection Using Intelligent Driver Model. , 2010, , .		30
310	Improving Propagation Modeling in Urban Environments for Vehicular Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 705-716.	4.7	37
311	VANET mobility modeling challenged by feedback loops. , 2011, , .		7
312	Algorithms for management of a multi-platooning system of IVC-enabled autonomous vehicles, with high traffic capacity. , 2011, , .		9
313	Distributed problems of monitoring and modern approaches to traffic modeling. , 2011, , .		14
314	A Novel Mobility Model for Realistic Behavior in Vehicular Ad Hoc Network. , 2011, , .		8
315	On the end-to-end delay analysis for an IEEE 802.11P/WAVE protocol. , 2011, , .		4
316	On the Modeling of Traffic and Crowds: A Survey of Models, Speculations, and Perspectives. SIAM Review, 2011, 53, 409-463.	4.2	330
317	Ad hoc link traversal time prediction. , 2011, , .		4
318	A Decentralized Approach for Anticipatory Vehicle Routing Using Delegate Multiagent Systems. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 364-373.	4.7	183
319	Heterogeneity-Aware Design for Automatic Detection of Problematic Road Conditions. , 2011, , .		5
320	A top-down approach to inter-vehicle communication (Poster). , 2011, , .		6
321	Towards Congestion Detection in Transportation Networks Using GPS Data. , 2011, , .		1
322	Routing Mechanisms Analysis in Vehicular City Environment. , 2011, , .		0
323	Vehicular mobility simulation with VanetMobiSim. Simulation, 2011, 87, 275-300.	1.1	77
324	Transport on Networks. , 2011, , 383-405.		3
325	Dynamics of Network Connectivity in Urban Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 515-533.	9.7	91

#	ARTICLE	IF	CITATIONS
326	Correlated Parameters in Driving Behavior Models. Transportation Research Record, 2011, 2249, 62-77.	1.0	79
327	Performance study of a Green Light Optimized Speed Advisory (GLOSA) application using an integrated cooperative ITS simulation platform. , 2011, , .		124
328	Vehicular Traffic III: Other CA Models. , 2011, , 281-333.		0
329	Dissemination protocols to support cooperative adaptive cruise control (CACC) merging. , 2011, , .		10
330	Characterization of traffic oscillation propagation under nonlinear car-following laws. Transportation Research Part B: Methodological, 2011, 45, 1346-1361.	2.8	36
331	Evidence of convective instability in congested traffic flow: A systematic empirical and theoretical investigation. Transportation Research Part B: Methodological, 2011, 45, 1362-1377.	2.8	59
332	Bidirectionally Coupled Network and Road Traffic Simulation for Improved IVC Analysis. IEEE Transactions on Mobile Computing, 2011, 10, 3-15.	3.9	1,188
333	Universality of Performance Parameters in Vehicular ad hoc Networks. IEEE Communications Letters, 2011, 15, 947-949.	2.5	3
334	Towards reducing traffic congestion using cooperative adaptive cruise control on a freeway with a ramp. Journal of Industrial Engineering and Management, 2011, 4, .	1.0	30
335	Modeling and Simulation of Vehicular Networks: towards Realistic and Efficient Models. , 0, , .		13
336	Vehicular Traffic IV: Non-CA Approaches. , 2011, , 335-381.		0
337	On the modelling and management of traffic. ESAIM: Mathematical Modelling and Numerical Analysis, 2011, 45, 853-872.	0.8	39
338	A Unified Perspective on Traffic Flow Theory, Part III: Validation and Benchmarking. , 2011, , .		3
339	A Unified Perspective on Traffic Flow Theory, Part II: The Unified Diagram. , 2011, , .		3
340	General Newell Model and Related Second-Order Expressions. Transportation Research Record, 2011, 2260, 42-49.	1.0	9
341	Reconstructing the Traffic State by Fusion of Heterogeneous Data. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 408-419.	6.3	110
342	An algorithm for combining autonomous vehicles and controlled events in driving simulator experiments. Transportation Research Part C: Emerging Technologies, 2011, 19, 1185-1201.	3.9	9
343	Characterization of Traffic Oscillation Propagation under Nonlinear Car-Following Laws. Procedia, Social and Behavioral Sciences, 2011, 17, 663-682.	0.5	11

#	ARTICLE	IF	CITATIONS
344	Evidence of Convective Instability in Congested Traffic Flow: A Systematic Empirical and Theoretical Investigation. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 17, 683-701.	0.5	14
345	The influence of nonmonotonic synchronized flow branch in a cellular automaton traffic flow model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4184-4191.	1.2	30
346	An empirical study of common traffic congestion features based on traffic data measured in the USA, the UK, and Germany. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4466-4485.	1.2	53
347	Complex motion of shuttle buses in a transportation system reducing energy consumption. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4494-4501.	1.2	5
348	Tour time in a two-route traffic system controlled by signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4522-4527.	1.2	23
349	Schedule and complex motion of shuttle bus induced by periodic inflow of passengers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 3579-3582.	0.9	6
350	Research challenges in intervehicular communication: lessons of the 2010 Dagstuhl Seminar. , 2011, 49, 158-164.		65
351	Simulation of vehicular ad-hoc networks: Challenges, review of tools and recommendations. <i>Computer Networks</i> , 2011, 55, 3179-3188.	3.2	46
352	Car-following theory of steady-state traffic flow using time-to-collision. <i>Journal of Zhejiang University: Science A</i> , 2011, 12, 645-654.	1.3	20
353	Asymptotic Dynamics of Self-driven Vehicles in a Closed Boundary. <i>Journal of Statistical Physics</i> , 2011, 144, 813-825.	0.5	0
354	Jam emergence on a circular track in a car-following model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 943-950.	1.2	11
355	Application of vehicular communications for improving the efficiency of traffic in urban areas. <i>Wireless Communications and Mobile Computing</i> , 2011, 11, 1657-1667.	0.8	69
356	A survey and comparative study of simulators for vehicular <i>ad hoc</i> networks (VANETs). <i>Wireless Communications and Mobile Computing</i> , 2011, 11, 813-828.	0.8	232
357	Vehicular motion in 2D city traffic network with signals controlled by phase shift. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 914-928.	1.2	4
358	Analysis of honk effect on the traffic flow in a cellular automaton model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1072-1084.	1.2	32
359	Regularization and control of irregular vehicular motion through a series of signals at disordered intervals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2127-2134.	1.2	0
360	Three-lane changing behaviour simulation using a modified optimal velocity model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2303-2314.	1.2	48
361	Foresee, a fully distributed self-organized approach for improving traffic flows. <i>Simulation Modelling Practice and Theory</i> , 2011, 19, 1096-1117.	2.2	7

#	ARTICLE	IF	CITATIONS
362	Safetyâ€œcollision transition induced by lane changing in traffic flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1319-1322.	0.9	20
363	Complex motion in nonlinear-map model of elevators in energy-saving traffic. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2047-2050.	0.9	9
364	Heterogeneity in car-following behavior: Theory and empirics. Transportation Research Part C: Emerging Technologies, 2011, 19, 182-195.	3.9	158
365	Interactive hybrid simulation of large-scale traffic. , 2011, , .		22
366	Car-following model with relative-velocity effect and its experimental verification. Physical Review E, 2011, 83, 046105.	0.8	22
367	Cellular automaton model with time gap dependent randomisation under Kerner's three-phase traffic theory. Transportmetrica, 2011, 7, 127-140.	1.8	40
368	Interactions between Pedestrians Crossing and Vehicles on Roads. , 2011, , .		0
369	An Urban Traffic Network Analysis Method Based on EPs. Key Engineering Materials, 2011, 460-461, 142-147.	0.4	0
370	A GPS enhanced routing protocol for vehicular Ad-hoc network. , 2011, , .		3
371	Vehicular Sensor Networks in congested traffic: Linking STV field reconstruction and communications channel. , 2011, , .		2
372	Road Pricing and Capacity Decision under a Self-Financing Constraint. , 2011, , .		0
373	Supporting drivers in car following: A step towards cooperative driving. , 2011, , .		6
374	Autonomous Vehicle Guidance on Braunschweig's inner ring road within the Stadtpilot Project. , 2011, , .		28
375	Criteria for convective versus absolute string instability inÂcar-following models. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 2185-2208.	1.0	28
376	Emergency braking. , 2011, , .		8
377	Multiregime Sequential Risk-Taking Model of Car-Following Behavior. Transportation Research Record, 2011, 2260, 60-66.	1.0	43
378	Interactions between Intersecting Pedestrian and Vehicle Flows on Roads. Chinese Physics Letters, 2011, 28, 118903.	1.3	6
379	Pedestrian Dynamics. , 2011, , 407-460.		5

#	ARTICLE	IF	CITATIONS
380	Modelling and Simulation for Train Movement Control Using Car-Following Strategy. Communications in Theoretical Physics, 2011, 55, 29-34.	1.1	6
381	Human Modelling in Assisted Transportation. , 2011, , .		10
382	STOCHASTIC CAR-FOLLOWING MODEL FOR EXPLAINING NONLINEAR TRAFFIC PHENOMENA. International Journal of Modern Physics B, 2011, 25, 1111-1120.	1.0	5
383	Interactive hybrid simulation of large-scale traffic. ACM Transactions on Graphics, 2011, 30, 1-12.	4.9	57
384	A New Car Following Model: Comprehensive Optimal Velocity Model. Communications in Theoretical Physics, 2011, 55, 1119-1126.	1.1	13
385	MetroB: Evaluation and simulation of public transport system. , 2011, , .		5
386	Car-following models: fifty years of linear stability analysis â€“ a mathematical perspective. Transportation Planning and Technology, 2011, 34, 3-18.	0.9	227
387	Modeling the Propagation of Wireless Worms among Vehicles. Key Engineering Materials, 0, 480-481, 833-840.	0.4	1
388	Reliable Freestanding Position-Based Routing in Highway Scenarios. Sensors, 2012, 12, 14262-14291.	2.1	20
389	Experimental evaluation of cooperative active safety applications based on V2V communications. , 2012, , .		23
390	Integrated Extensible Simulation Platform for Vehicular Sensor Networks in Smart Cities. International Journal of Distributed Sensor Networks, 2012, 8, 860415.	1.3	6
391	Goodput analysis in short range vehicle network depends on auto traffic parameters. , 2012, , .		1
392	Car-following model with multiple predicting and controlling modules based on assumptions of anticipation behavior. , 2012, , .		0
393	How can macroscopic models reveal self-organization in traffic flow?. , 2012, , .		10
394	Investigation on traffic flow competition between main road and on-ramp on urban freeway. , 2012, , .		1
395	Calibration of microscopic traffic flow models against time-series data. , 2012, , .		10
396	To crash or not to crash: Estimating its likelihood and potentials of beacon-based IVC systems. , 2012, , .		20
397	Cooperative Car-Following Model of Traffic Flow and Numerical Simulation. Chinese Physics Letters, 2012, 29, 104502.	1.3	7

#	ARTICLE	IF	CITATIONS
398	Reinforcement Learning Ramp Metering without Complete Information. Journal of Control Science and Engineering, 2012, 2012, 1-8.	0.8	3
399	A Neurofuzzy Approach to Modeling Longitudinal Driving Behavior and Driving Task Complexity. International Journal of Vehicular Technology, 2012, 2012, 1-12.	1.1	3
400	Vehicle Trajectory Effects of Adaptive Cruise Control. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2012, 16, 36-44.	2.6	37
401	Multiple flux difference effect in the lattice hydrodynamic model. Chinese Physics B, 2012, 21, 020512.	0.7	12
402	On the reproducibility of spatiotemporal traffic dynamics with microscopic traffic models. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P10018.	0.9	7
403	Considering driver behaviour in vehicular delay tolerant networks. International Journal of Satellite Communications Policy and Management, 2012, 1, 152.	0.0	0
404	Development of an autonomous vehicle highway merging strategy. International Journal of Vehicle Design, 2012, 60, 350.	0.1	5
405	Selected mathematical problems of traffic flow theory. International Journal of Computer Mathematics, 2012, 89, 409-432.	1.0	11
406	Estimation of Multivehicle Dynamics by Considering Contextual Information. IEEE Transactions on Robotics, 2012, 28, 855-870.	7.3	69
407	Simulations of VANET Scenarios with OPNET and SUMO. Lecture Notes in Computer Science, 2012, , 103-112.	1.0	21
408	Analyzing fluctuations in car-following. Transportation Research Part B: Methodological, 2012, 46, 1384-1392.	2.8	68
409	Simulation-based evaluation of techniques for privacy protection in VANETs. , 2012, , .		37
410	Two-Vehicle Dynamics of the Car-Following Models on Realistic Driving Condition. Journal of Transportation System Engineering and Information Technology, 2012, 12, 67-75.	0.6	19
411	Safe, dynamic and comfortable longitudinal control for an autonomous vehicle. , 2012, , .		24
412	TDMA cluster-based MAC for VANETs (TC-MAC). , 2012, , .		77
413	Enhanced multiagent multi-objective reinforcement learning for urban traffic light control. , 2012, , .		28
414	Towards a study of mobility models impact on VANET connectivity metrics. , 2012, , .		7
415	Multi-objective traffic light control system based on Bayesian probability interpretation. , 2012, , .		25

#	ARTICLE	IF	CITATIONS
416	Heartbeat Message Based Misbehavior Detection Scheme for Vehicular Ad-hoc Networks. , 2012, , .		28
417	Calibration of car-following models with single- and multi-step approaches. , 2012, , .		3
418	Phase Diagram Analysis Based on a Temporal-Spatial Queueing Model. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 1705-1716.	4.7	20
419	Aspects and trends in realistic VANET simulations. , 2012, , .		15
420	Reducing the environmental impact of taxi operation: The taxi-sharing use case. , 2012, , .		8
421	Empirical evaluation of a dynamic and distributed taxi-sharing system. , 2012, , .		55
422	Effect of periodic inflow on elevator traffic. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4397-4405.	1.2	15
423	The stabilization effect of the density difference in the modified lattice hydrodynamic model of traffic flow. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4476-4482.	1.2	99
424	Vehicular motion in counter traffic flow through a series of signals controlled by a phase shift. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4976-4985.	1.2	32
425	Prediction and field validation of traffic oscillation propagation under nonlinear car-following laws. Transportation Research Part B: Methodological, 2012, 46, 409-423.	2.8	54
426	Latent class model for car following behavior. Transportation Research Part B: Methodological, 2012, 46, 563-578.	2.8	70
427	A behavioral car-following model that captures traffic oscillations. Transportation Research Part B: Methodological, 2012, 46, 744-761.	2.8	164
428	Piecewise linear car-following modeling. Transportation Research Part C: Emerging Technologies, 2012, 25, 100-112.	3.9	18
429	Complexity aided design. European Physical Journal: Special Topics, 2012, 214, 435-459.	1.2	5
430	A Stochastic Model for Chain Collisions of Vehicles Equipped With Vehicular Communications. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 503-518.	4.7	39
431	VNS: An integrated framework for vehicular networks simulation. , 2012, , .		16
432	Review on Traffic Flow Phenomena and Theory. Journal of Transportation System Engineering and Information Technology, 2012, 12, 90-97.	0.6	3
433	A class of multi-phase traffic theories for microscopic, kinetic and continuum traffic models. Computers and Mathematics With Applications, 2012, 64, 2939-2953.	1.4	34

#	ARTICLE	IF	CITATIONS
434	Detailed traffic animation for urban road networks. <i>Graphical Models</i> , 2012, 74, 265-282.	1.1	43
435	Effect of signals on two-route traffic system with real-time information. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 6137-6145.	1.2	49
436	Cellular automaton model in the fundamental diagram approach reproducing the synchronized outflow of wide moving jams. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 2781-2787.	0.9	35
437	A modified coupled map car-following model considering a nonconstant driver sensitivity. <i>Procedia Engineering</i> , 2012, 31, 1045-1049.	1.2	4
438	Propagation speed of a starting wave in a queue of pedestrians. <i>Physical Review E</i> , 2012, 86, 036113.	0.8	8
439	Integrated Lane Change Model with Relaxation and Synchronization. <i>Transportation Research Record</i> , 2012, 2316, 47-57.	1.0	142
440	Multianticipative Piecewise-Linear Car-Following Model. <i>Transportation Research Record</i> , 2012, 2315, 100-109.	1.0	12
441	Agent-Based Modeling. <i>Understanding Complex Systems</i> , 2012, , 25-70.	0.3	120
442	Linear stability analysis of first-order delayed car-following models on a ring. <i>Physical Review E</i> , 2012, 86, 036207.	0.8	11
443	Driver intent inference at urban intersections using the intelligent driver model. , 2012, , .		133
444	Optimal deployment of charging stations for electric vehicular networks. , 2012, , .		94
445	Spatial Self-organization Through Success-Driven Mobility. <i>Understanding Complex Systems</i> , 2012, , 115-130.	0.3	1
446	STABILIZATION ANALYSIS OF A MULTIPLE LOOK-AHEAD MODEL WITH DRIVER REACTION DELAYS. <i>International Journal of Modern Physics C</i> , 2012, 23, 1250048.	0.8	11
447	Weighing communication overhead against travel time reduction in advanced traffic information systems. <i>Progress in Artificial Intelligence</i> , 2012, 1, 165-172.	1.5	0
448	Validation of traffic flow models with respect to the spatiotemporal evolution of congested traffic patterns. <i>Transportation Research Part C: Emerging Technologies</i> , 2012, 21, 31-41.	3.9	69
449	Effect of headway and velocity on safetyâ€œcollision transition induced by lane changing in traffic flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1626-1635.	1.2	74
450	Cellular automaton model within the fundamental-diagram approach reproducing some findings of the three-phase theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 3129-3139.	1.2	45
451	Delay effect on schedule in shuttle bus transportation controlled by capacity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 3266-3276.	1.2	12

#	ARTICLE	IF	CITATIONS
452	Staggered car-following induced by lateral separation effects in traffic flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 153-157.	0.9	59
453	Multiple-vehicle collision induced by a sudden stop in traffic flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1803-1806.	0.9	20
454	Transforming GIS Data into Functional Road Models for Large-Scale Traffic Simulation. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 890-901.	2.9	60
455	On the Impact of Virtual Traffic Lights on Carbon Emissions Mitigation. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 284-295.	4.7	113
456	Platooning With IVC-Enabled Autonomous Vehicles: Strategies to Mitigate Communication Delays, Improve Safety and Traffic Flow. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 91-106.	4.7	256
457	Robust P2P Multimedia Exchange within a VANET. Wireless Personal Communications, 2012, 63, 561-577.	1.8	12
458	A new fundamental diagram theory with the individual difference of the driver's perception ability. Nonlinear Dynamics, 2012, 67, 2255-2265.	2.7	100
459	Stabilization effect of multiple density difference in the lattice hydrodynamic model. Nonlinear Dynamics, 2013, 73, 2197-2205.	2.7	41
460	Empirical Innovation of Computational Dual-Loop Models for Identifying Vehicle Classifications against Varied Traffic Conditions. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 621-634.	6.3	9
461	Instability of cooperative adaptive cruise control traffic flow: A macroscopic approach. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 2838-2851.	1.7	105
462	Velocity-Based Driver Intent Inference at Urban Intersections in the Presence of Preceding Vehicles. IEEE Intelligent Transportation Systems Magazine, 2013, 5, 10-21.	2.6	89
463	Modelling Supported Driving as an Optimal Control Cycle: Framework and Model Characteristics. Procedia, Social and Behavioral Sciences, 2013, 80, 491-511.	0.5	13
464	Microscopic Calibration and Validation of Car-Following Models – A Systematic Approach. Procedia, Social and Behavioral Sciences, 2013, 80, 922-939.	0.5	106
465	Spontaneous phase transition from free flow to synchronized flow in traffic on a single-lane highway. Physical Review E, 2013, 87, 012815.	0.8	15
466	Tokyo Virtual Living Lab: Designing Smart Cities Based on the 3D Internet. IEEE Internet Computing, 2013, 17, 30-38.	3.2	36
467	Traffic flow harmonization in expressway merging. Personal and Ubiquitous Computing, 2013, 17, 519-532.	1.9	9
468	Microscopic Traffic Flow Properties in Emergency Situations. Transportation Research Record, 2013, 2391, 124-132.	1.0	3
469	Effect of restart at signals on traffic flow through a series of signals. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3223-3230.	1.2	6

#	ARTICLE	IF	CITATIONS
470	Evaluation of Different Vehicle Following Models Under Mixed Traffic Conditions. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 104, 390-401.	0.5	49
471	A multi-objective approach to evolving platooning strategies in intelligent transportation systems. , 2013, , .		16
472	Interrupted versus uninterrupted flow: A safety propensity index for driver behavior. <i>Accident Analysis and Prevention</i> , 2013, 55, 22-33.	3.0	5
473	Nonlinear stability of traffic models and the use of Lyapunov vectors for estimating the traffic state. <i>Physical Review E</i> , 2013, 88, 022901.	0.8	13
474	Dynamics in two-elevator traffic system with real-time information. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 3296-3299.	0.9	6
475	Controlling traffic jams by time modulating the safety distance. <i>Physical Review E</i> , 2013, 88, 042803.	0.8	8
476	Criticism of generally accepted fundamentals and methodologies of traffic and transportation theory: A brief review. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5261-5282.	1.2	134
477	Green-wave control of an unbalanced two-route traffic system with signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5422-5430.	1.2	15
478	Analyzing the impact of false-accident cyber attacks on traffic flow stability in connected vehicle environment. , 2013, , .		6
479	WiFi for Vehicular Communication Systems. , 2013, , .		5
480	A road based multi-channel assignment method for VANET. , 2013, , .		2
481	Peer-to-peer file sharing in VANETs using TC-MAC. , 2013, , .		6
482	Proposal of a virtual and immersive 3D architecture dedicated for prototyping, test and evaluation of eco-driving applications. , 2013, , .		0
483	A modular approach for exchangeable driving task models in a microscopic simulation framework. , 2013, , .		6
484	Modeling traffic system complexity through fuzzy entropy. , 2013, , .		0
485	A modified TC-MAC protocol for multi-hop cluster communications in VANETs. , 2013, , .		13
486	A k-leader fuel-efficient traffic model. , 2013, , .		7
487	Preceding vehicle state prediction. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
488	Evolving intelligent vehicle control using multi-objective NEAT. , 2013, , .		4
489	Generic solutions for consistency problems in multi-scale traffic flow models - Analysis and preliminary results. , 2013, , .		6
490	Spectrum sharing between IVC and RVC in multihop vehicular cognitive radio. , 2013, , .		0
491	Virtual traffic lights in partial deployment scenarios. , 2013, , .		11
492	Application of hierarchical Bayesian estimation to calibrating a car-following model with time-varying parameters. , 2013, , .		5
493	Revisiting vehicular network connectivity with radio propagation model. Telecommunication Systems, 2013, 52, 2585-2597.	1.6	3
494	Computational Traffic Experiments Based on Artificial Transportation Systems: An Application of ACP Approach. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 189-198.	4.7	29
495	A cellular automaton model based on empirical observations of a driver's oscillation behavior reproducing the findings from Kerner's three-phase traffic theory. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4009-4018.	1.2	27
496	Complex motion of elevators in piecewise map model combined with circle map. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2047-2051.	0.9	7
497	Longitudinal driving behavior in case of emergency situations: An empirically underpinned theoretical framework. Transportation Research Part C: Emerging Technologies, 2013, 36, 581-603.	3.9	8
498	Application of Naturalistic Driving Data to Modeling of Driver Car-Following Behavior. Transportation Research Record, 2013, 2390, 20-33.	1.0	53
499	Modelling supported driving as an optimal control cycle: Framework and model characteristics. Transportation Research Part C: Emerging Technologies, 2013, 36, 547-563.	3.9	31
500	Longitudinal Driving Behavior in Case of Emergency Situations: An Empirically Underpinned Theoretical Framework. Procedia, Social and Behavioral Sciences, 2013, 80, 341-369.	0.5	4
501	Deployment of a fully distributed system for improving urban traffic flows: A simulation-based performance analysis. Simulation Modelling Practice and Theory, 2013, 31, 22-38.	2.2	8
502	Agent-based macroeconomics: A baseline model. Journal of Economic Behavior and Organization, 2013, 86, 102-120.	1.0	118
503	Modified circle map model for complex motion induced by a change of shuttle buses. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3392-3401.	1.2	7
504	Integrated macroscopic traffic flow, emission, and fuel consumption model for control purposes. Transportation Research Part C: Emerging Technologies, 2013, 31, 158-171.	3.9	123
505	Rear-End Collision: Causes and Avoidance Techniques. , 2013, , 99-119.		9

#	ARTICLE	IF	CITATIONS
506	An Improved Greedy Forwarding Routing Protocol for Cooperative VANETs. Lecture Notes in Computer Science, 2013, , 502-506.	1.0	0
508	An Approach to Dynamic Classification of Traffic Flow Patterns. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 273-288.	6.3	58
509	Stabilization of traffic flow in optimal velocity model via delayed-feedback control. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 1027-1034.	1.7	55
510	Full velocity difference and acceleration model for a car-following theory. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 1229-1234.	1.7	98
511	Vehicular traffic flow through a series of signals with cycle time generated by a logistic map. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 851-856.	1.2	9
512	Intelligent driving in traffic systems with partial lane discipline. European Physical Journal B, 2013, 86, 1.	0.6	1
513	Nonlinear-map model for the control of an airplane schedule. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 6545-6553.	1.2	5
514	Accident Driver Model for Vehicular Ad-Hoc Network Simulation. , 2013, , .		4
515	Automatic Emergency Braking: Realistic Analysis of Car Dynamics and Network Performance. IEEE Transactions on Vehicular Technology, 2013, 62, 4150-4161.	3.9	49
516	Flow reconstruction for data-driven traffic animation. ACM Transactions on Graphics, 2013, 32, 1-10.	4.9	54
517	Vehicle Safety Enhancement System: Sensing and Communication. International Journal of Distributed Sensor Networks, 2013, 9, 542891.	1.3	1
518	Dynamic Congested Traffic States of Density Difference Lattice Hydrodynamic Model with On-Ramp. Discrete Dynamics in Nature and Society, 2013, 2013, 1-9.	0.5	12
519	A Car-Following Model Based on Quantified Homeostatic Risk Perception. Mathematical Problems in Engineering, 2013, 2013, 1-13.	0.6	25
520	Microsimulation Evaluation of Eurocode Load Model for American Long-Span Bridges. Journal of Bridge Engineering, 2013, 18, 1252-1260.	1.4	30
521	Simulation optimization for train movement on a single-track railway. Chinese Physics B, 2013, 22, 050205.	0.7	7
522	An Interval Type-2 Fuzzy Cellular Automaton Model for Traffic Flow. Advanced Materials Research, 2013, 756-759, 4423-4428.	0.3	1
523	PHASE TRANSITIONS AND THE KORTEWEG-DE VRIES EQUATION IN THE DENSITY DIFFERENCE LATTICE HYDRODYNAMIC MODEL OF TRAFFIC FLOW. International Journal of Modern Physics C, 2013, 24, 1350016.	0.8	8
524	Vertical handoff modeling and simulation in VANET scenarios. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
525	Travel time reliability versus safety: A stochastic risk-based acceleration modeling approach. , 2013, , .		0
526	An improved car-following model for railway traffic. Journal of Advanced Transportation, 2013, 47, 475-482.	0.9	7
527	Generic driver intent inference based on parametric models. , 2013, , .		13
528	Dynamic data driven event reconstruction for traffic simulation using sequential Monte Carlo methods. , 2013, , .		4
529	Fast, comfortable or economical: Evolving platooning strategies with many objectives. , 2013, , .		6
530	Exchange interaction in the time headway model in critical traffic flow states. , 2013, , .		2
531	A new lattice hydrodynamic model based on ITS environment. , 2013, , .		0
532	Efficient Mesoscopic Simulations for Persistent Agents in 3D-Applications and Games. , 2013, , .		3
533	Modeling and simulation of high-speed passenger train movements in the rail line. Chinese Physics B, 2013, 22, 060504.	0.7	4
534	A multi lane Car Following Model for cooperative ADAS. , 2013, , .		7
535	Incorporating driver distraction in car-following models: Applying the TCI to the IDM. , 2013, , .		6
536	COARSE-GRAINED CELLULAR AUTOMATON FOR TRAFFIC SYSTEMS. International Journal of Modern Physics C, 2013, 24, 1350011.	0.8	2
537	Agent-Based Simulation Tool for Evaluating Pooled Queue Performance at Marine Container Terminals. Transportation Research Record, 2013, 2330, 103-112.	1.0	14
538	Modified Intelligent Driver Model for driver safety and traffic stability improvement. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 744-749.	0.4	32
539	Traffic Microsimulation for Bridge Loading Assessment and Management. , 2013, , .		0
540	Adaptive-AR Model with Drivers'™ Prediction for Traffic Simulation. International Journal of Computer Games Technology, 2013, 2013, 1-8.	1.6	5
541	Exploring the Impact of Speed Synchronization through Connected Vehicle Technology on Fleet-Level Fuel Economy. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2013, 6, 213-221.	0.3	8
542	Traffic Experiment Reveals the Nature of Car-Following. PLoS ONE, 2014, 9, e94351.	1.1	132

#	ARTICLE	IF	CITATIONS
543	Analysis of Vehicle-Following Heterogeneity Using Self-Organizing Feature Maps. Computational Intelligence and Neuroscience, 2014, 2014, 1-11.	1.1	3
544	Computing journey start times with recurrent traffic conditions. IET Intelligent Transport Systems, 2014, 8, 681-687.	1.7	3
545	Reliable Multihop Broadcast Protocol with a Low-Overhead Link Quality Assessment for ITS Based on VANETs in Highway Scenarios. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	7
546	Effects of Car Accidents on Three-Lane Traffic Flow. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	3
547	Modeling the Impact of Road Grade and Curvature on Truck Driving for Vehicle Simulation. , 0, , .		3
548	Can C-ITS lead to the emergence of Traffic Management 2.0?. , 2014, , .		1
549	On the modeling of synchronized flow in cellular automaton models. Chinese Physics B, 2014, 23, 024501.	0.7	4
550	A probabilistic long term prediction approach for highway scenarios. , 2014, , .		14
551	Effects of longer heavy vehicles on traffic congestion. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 970-988.	1.1	2
552	Control Concepts for Facilitating Motorway On-ramp Merging Using Intelligent Vehicles. Transport Reviews, 2014, 34, 775-797.	4.7	72
553	An extension of MovSim for multi-agent cooperative vehicles modeling. , 2014, , .		2
554	Global sensitivity analysis techniques to simplify the calibration of traffic simulation models. Methodology and application to the IDM carâ€‘following model. IET Intelligent Transport Systems, 2014, 8, 479-489.	1.7	29
555	Performance evaluation of routing protocols based on realistic traces from driving simulator. , 2014, , .		1
556	Velocity difference control based on dynamic tracking of safe following distance in the process of vehicle following. IET Intelligent Transport Systems, 2014, 8, 232-243.	1.7	7
557	An allâ€‘inâ€‘one efficient laneâ€‘changing model for virtual traffic. Computer Animation and Virtual Worlds, 2014, 25, 383-391.	0.7	4
558	Automatic and efficient driving strategies while approaching a traffic light. , 2014, , .		10
559	Assessing map-based maneuver hypotheses using probabilistic methods and evidence theory. , 2014, , .		12
560	Extracting characteristics of traffic flow in bottlenecks with exchange interactions in time headway. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
561	AA&FVDM: An accident& avoidance full velocity difference model for animating realistic street& level traffic in rural scenes. Computer Animation and Virtual Worlds, 2014, 25, 83-97.	0.7	15
562	Designing large& scale interactive traffic animations for urban modeling. Computer Graphics Forum, 2014, 33, 411-420.	1.8	24
563	Model predictive control for multi-lane motorways in presence of VACS. , 2014, , .		13
564	Car following regime taxonomy based on Markov switching. , 2014, , .		4
565	The transition between normal and emergency driving behaviour during evacuation and its implications for traffic flow operations and traffic management. , 2014, , .		0
566	A personality model for animating heterogeneous traffic behaviors. Computer Animation and Virtual Worlds, 2014, 25, 361-371.	0.7	17
567	Automated Driving, Traffic Flow Efficiency, and Human Factors. Transportation Research Record, 2014, 2422, 113-120.	1.0	122
568	A Parsimonious Method for Offline Freeway Travel Time Estimation From Sectional Speed Detectors. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 67-80.	2.6	3
569	An empirical study of phase transitions from synchronized flow to jams on a single-lane highway. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 125104.	0.7	6
570	Nonlinear Analysis of a New Extended Lattice Model With Consideration of Multi-Anticipation and Driver Reaction Delays. Journal of Computational and Nonlinear Dynamics, 2014, 9, .	0.7	5
571	Stability Analysis of a Car-Following Model on Two Lanes. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	5
572	Vehicular networks on two Madrid highways. , 2014, , .		39
573	A Study on Car Following Models Simulating Various Adaptive Cruise Control Behaviors. International Journal of Intelligent Transportation Systems Research, 2014, 12, 127-134.	0.6	9
574	Adaptive multi-objective reinforcement learning with hybrid exploration for traffic signal control based on cooperative multi-agent framework. Engineering Applications of Artificial Intelligence, 2014, 29, 134-151.	4.3	144
575	Multiple-vehicle collision induced by lane changing in traffic flow. Physica A: Statistical Mechanics and Its Applications, 2014, 404, 171-179.	1.2	48
576	COTraMS: A Collaborative and Opportunistic Traffic Monitoring System. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 949-958.	4.7	11
577	Multi-agent simulation of individual mobility behavior in carpooling. Transportation Research Part C: Emerging Technologies, 2014, 45, 83-98.	3.9	80
578	Effect of bottleneck on route choice in two-route traffic system with real-time information. Physica A: Statistical Mechanics and Its Applications, 2014, 395, 425-433.	1.2	37

#	ARTICLE	IF	CITATIONS
579	A Disturbance-Adaptive Design for VANET-Enabled Vehicle Platoon. IEEE Transactions on Vehicular Technology, 2014, 63, 527-539.	3.9	77
580	Rolling horizon control framework for driver assistance systems. Part II: Cooperative sensing and cooperative control. Transportation Research Part C: Emerging Technologies, 2014, 40, 290-311.	3.9	218
581	Driving behavior and control in traffic system with two kinds of signals. Physica A: Statistical Mechanics and Its Applications, 2014, 403, 110-119.	1.2	23
583	A Vehicular Networking Perspective on Estimating Vehicle Collision Probability at Intersections. IEEE Transactions on Vehicular Technology, 2014, 63, 1802-1812.	3.9	72
584	City traffic jam relief by stochastic resonance. Physica A: Statistical Mechanics and Its Applications, 2014, 403, 65-70.	1.2	6
585	A novel macro model of traffic flow with the consideration of anticipation optimal velocity. Physica A: Statistical Mechanics and Its Applications, 2014, 398, 76-82.	1.2	66
586	Stop-and-go traffic analysis: Theoretical properties, environmental impacts and oscillation mitigation. Transportation Research Part B: Methodological, 2014, 70, 319-339.	2.8	136
587	REST-Net: A dynamic rule-based IDS for VANETs. , 2014, , .		14
588	LOGAN's Run: Lane optimisation using genetic algorithms based on NSGA-II. , 2014, , .		2
589	Comparison of parametric and non-parametric approaches for vehicle speed prediction. , 2014, , .		106
590	Improving beacon dissemination in VANETs — A cyber-physical system based design. , 2014, , .		2
591	Fuzzy Logic Ticket Rate Predictor for Congestion Control in Vehicular Networks. Wireless Personal Communications, 2014, 79, 1837-1858.	1.8	4
592	Exploring the effects of cooperative adaptive cruise control on highway traffic flow using microscopic traffic simulation. Transportation Planning and Technology, 2014, 37, 186-199.	0.9	78
593	Definition of an embedded driver model for driving behavior prediction within the DESERVE platform. , 2014, , .		2
594	TAR Channel Access Mechanism: A Study of a Highway Ramp Car Merge Case. , 2014, , .		2
595	Reducing the Error Accumulation in Car-Following Models Calibrated With Vehicle Trajectory Data. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 148-157.	4.7	30
596	Characteristics of traffic flow at a non-signalized intersection in the framework of game theory. Physica A: Statistical Mechanics and Its Applications, 2014, 415, 172-180.	1.2	31
597	VANETsim: An open source simulator for security and privacy concepts in VANETs. , 2014, , .		22

#	ARTICLE	IF	CITATIONS
598	Linear and Weakly Nonlinear Stability Analyses of Cooperative Car-Following Models. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2001-2013.	4.7	80
599	Jam formation with line changing at two tollgates on a highway. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 596-603.	1.2	7
600	Modeling cooperative and autonomous adaptive cruise control dynamic responses using experimental data. Transportation Research Part C: Emerging Technologies, 2014, 48, 285-300.	3.9	665
601	Improving Traffic Flow Efficiency by In-Car Advice on Lane, Speed, and Headway. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1597-1606.	4.7	70
602	A probabilistic stationary speed-density relation based on Newell's simplified car-following model. Transportation Research Part B: Methodological, 2014, 68, 205-223.	2.8	63
603	ITS for Sustainable Mobility: A Survey on Applications and Impact Assessment Tools. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 477-493.	4.7	54
604	Dynamic behavior in two-route bus traffic system with real-time information. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 352-360.	1.2	4
605	Incorporating human-factors in car-following models: A review of recent developments and research needs. Transportation Research Part C: Emerging Technologies, 2014, 48, 379-403.	3.9	313
606	A Traffic Breakdown Model Based on Queueing Theory. Networks and Spatial Economics, 2014, 14, 485-504.	0.7	16
607	Multianticipative Nonlocal Macroscopic Traffic Model. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 248-263.	6.3	39
609	Multilevel Modeling of the Traffic Dynamic. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1066-1082.	4.7	27
610	Modelling and simulating worm propagation in static and dynamic traffic. IET Intelligent Transport Systems, 2014, 8, 155-163.	1.7	17
611	Rolling horizon control framework for driver assistance systems. Part I: Mathematical formulation and non-cooperative systems. Transportation Research Part C: Emerging Technologies, 2014, 40, 271-289.	3.9	166
612	Stability analysis of dynamic collaboration model with control signals on two lanes. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 4148-4160.	1.7	27
613	On the network connectivity of platoon-based vehicular cyber-physical systems. Transportation Research Part C: Emerging Technologies, 2014, 40, 215-230.	3.9	48
614	Agent-based Simulation of Drivers with the Janus Platform. Procedia Computer Science, 2014, 32, 738-743.	1.2	5
615	Merging lanes' fairness through communication. Vehicular Communications, 2014, 1, 97-104.	2.7	15
616	Evaluation of in-vehicle Decision Support System for Emergency Evacuation. Procedia Computer Science, 2014, 29, 1656-1666.	1.2	7

#	ARTICLE	IF	CITATIONS
617	Brake light cellular automaton model with advanced randomization for traffic breakdown. Transportation Research Part C: Emerging Technologies, 2014, 44, 282-298.	3.9	43
618	Artificial Neural Network Models for Car Following: Experimental Analysis and Calibration Issues. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 5-16.	2.6	67
619	Multiscale Traffic Flow Modeling in Mixed Networks. Transportation Research Record, 2014, 2421, 142-150.	1.0	11
620	Simulation Model of Bus Rapid Transit. EPJ Web of Conferences, 2014, 68, 00021.	0.1	7
621	Driving Behavior in Case of Haze: A High Fidelity Driving Simulator Study. , 2014, , .		4
622	Performance Analysis of IEEE 802.11p DCF for Inter-Platoon Communications with Autonomous Vehicles. , 2014, , .		0
623	Plexe: A platooning extension for Veins. , 2014, , .		185
624	Experimental study on pedestrians' collision avoidance. , 2014, , .		4
625	Calibration of Nonlinear Car-Following Laws for Traffic Oscillation Prediction. Transportation Research Procedia, 2015, 9, 21-35.	0.8	1
626	Complex Lane Change Behavior in the Foresighted Driver Model. , 2015, , .		5
627	Influences of the driver's bounded rationality on micro driving behavior, fuel consumption and emissions. Transportation Research, Part D: Transport and Environment, 2015, 41, 423-432.	3.2	190
628	Classification and unification of the microscopic deterministic traffic models. Physical Review E, 2015, 92, 042802.	0.8	9
629	Microscopic theory of traffic-flow instability governing traffic breakdown at highway bottlenecks: Growing wave of increase in speed in synchronized flow. Physical Review E, 2015, 92, 062827.	0.8	46
630	Vehicle Dynamics Model for Estimating Typical Vehicle Accelerations. Transportation Research Record, 2015, 2491, 61-71.	1.0	27
631	Multiscale Traffic Flow Model Based on the Mesoscopic Lighthill-Whitham and Richards Models. Transportation Research Record, 2015, 2491, 98-106.	1.0	10
632	Percolation properties in a traffic model. Europhysics Letters, 2015, 112, 38001.	0.7	24
633	Information impact on transportation systems. Journal of Computational Science, 2015, 9, 88-93.	1.5	19
634	Congestion avoidance in city traffic. Journal of Advanced Transportation, 2015, 49, 581-595.	0.9	5

#	ARTICLE	IF	CITATIONS
635	Exploring mobility metrics quantitatively for vehicular networks based on three-phase traffic theory. , 2015, , .		0
636	Effect of Pulse–Glide Strategy on Traffic Flow for a Platoon of Mixed Automated and Manually Driven Vehicles. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 892-905.	6.3	69
637	A connectivity resilient dynamic multi–channel assignment method for VANET. Security and Communication Networks, 2015, 8, 1855-1864.	1.0	4
638	Establishment, maintenance, and re-establishment of the safe and efficient steady-following state. Chinese Physics B, 2015, 24, 088901.	0.7	1
639	The Research of Car-Following Model Based on Real-Time Maximum Deceleration. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	11
640	AN APPLICATION OF SEASONAL ADJUSTMENT METHODS BASED ON HIERARCHICAL BAYESIAN ESTIMATION TO HOMOGENOUS TRAFFIC FLOW DATA FOR MODELING CAPACITY BOTTLENECK PHENOMENA. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management), 2015, 71, I_917-I_929.	0.0	0
641	Traffic Congestion Mitigation Using Intelligent Driver Model (IDM) Combined with Lane Changes - Why Congestion Detection is So Needed?. , 0, , .		4
642	Theory and Simulation for Traffic Characteristics on the Highway with a Slowdown Section. Computational Intelligence and Neuroscience, 2015, 2015, 1-8.	1.1	2
643	Synchronization Transition and Traffic Congestion in One-Dimensional Traffic Model. Abstract and Applied Analysis, 2015, 2015, 1-10.	0.3	2
644	A Support Vector Regression Approach for Investigating Multianticipative Driving Behavior. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	5
645	A general framework for calibrating and comparing car-following models. Transportmetrica A: Transport Science, 2015, 11, 420-440.	1.3	18
646	Automated driving: The role of forecasts and uncertainty–A control perspective. European Journal of Control, 2015, 24, 14-32.	1.6	130
647	From behavioral psychology to acceleration modeling: Calibration, validation, and exploration of drivers– cognitive and safety parameters in a risk-taking environment. Transportation Research Part B: Methodological, 2015, 78, 32-53.	2.8	72
648	Do We Really Need to Calibrate All the Parameters? Variance-Based Sensitivity Analysis to Simplify Microscopic Traffic Flow Models. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 184-193.	4.7	88
649	Notice of Removal: Parameter sampling strategies in traffic microsimulation. , 2015, , .		1
650	Car Following Markov Regime Classification and Calibration. , 2015, , .		6
651	Intelligent service to perform overtaking in vehicular networks. , 2015, , .		0
652	Intersection Vehicle Cooperative Eco-Driving in the Context of Partially Connected Vehicle Environment. , 2015, , .		23

#	ARTICLE	IF	CITATIONS
653	A Transit Signal Priority Algorithm under Connected Vehicle Environment. , 2015, , .		5
654	Performance Analysis of IEEE 802.11p DCF for Inter-Platoon Communications with Autonomous Vehicles. , 2015, , .		7
655	Learning Driving Scene Prediction from Environmental Perception of Vehicle Fleet Data. , 2015, , .		1
656	Automatic mapping of human behavior data to personality model parameters for traffic simulations in virtual environments. , 2015, , .		3
657	A Probabilistic Model Checking Analysis of Vehicular Ad-Hoc Networks. , 2015, , .		4
658	Vehicle Speed Prediction in a Convoy Using V2V Communication. , 2015, , .		29
659	On the level of detail of synthetic highway traffic necessary to vehicular networking studies. , 2015, , .		2
660	Model Predictive Control for Motorway Traffic with Mixed Manual and VACS-equipped Vehicles. Transportation Research Procedia, 2015, 10, 452-461.	0.8	13
661	The Foresighted Driver Model. , 2015, , .		35
662	Understanding the structure of hyper-congested traffic from empirical and experimental evidences. Transportation Research Part C: Emerging Technologies, 2015, 60, 324-338.	3.9	30
663	Assisting solution of traffic congestion at sags using inter-vehicle communication with heterogeneous wireless systems. , 2015, , .		2
664	Using crowdsensed information for traffic simulation in the Robocar World Championship framework. , 2015, , .		1
665	OOCWC: The robocar world championship initiative. , 2015, , .		3
666	Simulation-based approach for investigating the impact of electric vehicles on power grids. , 2015, , .		8
667	Towards Evaluating the Benefits of Inter-vehicle Coordination. , 2015, , .		3
668	Modeling Lane-Changing Behavior in a Connected Environment: A Game Theory Approach. Transportation Research Procedia, 2015, 7, 420-440.	0.8	143
669	Multi-resolution-Modeling for Testing and Evaluation of VANET Applications. , 2015, , .		1
670	Percolation transition in dynamical traffic network with evolving critical bottlenecks. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 669-672.	3.3	349

#	ARTICLE	IF	CITATIONS
671	On the Spatiotemporal Traffic Variation in Vehicle Mobility Modeling. IEEE Transactions on Vehicular Technology, 2015, 64, 652-667.	3.9	13
672	Segmentation and Clustering of Car-Following Behavior: Recognition of Driving Patterns. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 81-90.	4.7	110
673	Travel Time Reliability Versus Safety: A Stochastic Hazard-Based Modeling Approach. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 264-273.	4.7	14
674	A Survey on Obstacle Modeling Patterns in Radio Propagation Models for Vehicular Ad Hoc Networks. Arabian Journal for Science and Engineering, 2015, 40, 1385-1407.	1.1	9
675	Effect of perception irregularity on chain-reaction crash in low visibility. Physica A: Statistical Mechanics and Its Applications, 2015, 427, 92-99.	1.2	31
676	Multiplatooning Leaders Positioning and Cooperative Behavior Algorithms of Communicant Automated Vehicles for High Traffic Capacity. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1172-1187.	4.7	74
677	Multiple density difference effect in the two-lane lattice hydrodynamic model. Nonlinear Dynamics, 2015, 79, 1991-2003.	2.7	13
678	Game theoretic approach for predictive lane-changing and car-following control. Transportation Research Part C: Emerging Technologies, 2015, 58, 73-92.	3.9	237
679	A simple nonparametric car-following model driven by field data. Transportation Research Part B: Methodological, 2015, 80, 185-201.	2.8	118
680	Complex motion induced by elevator choice in peak traffic. Physica A: Statistical Mechanics and Its Applications, 2015, 436, 159-169.	1.2	13
681	Effects of desired speeds for queuing and delay on single-lane road segments. Transportmetrica A: Transport Science, 2015, 11, 716-728.	1.3	6
682	Prediction of traffic convective instability with spectral analysis of the Aw-Rascle-Zhang model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2319-2330.	0.9	34
683	Driver models for personalised driving assistance. Vehicle System Dynamics, 2015, 53, 1705-1720.	2.2	84
684	Trajectory data reconstruction and simulation-based validation against macroscopic traffic patterns. Transportation Research Part B: Methodological, 2015, 80, 82-106.	2.8	212
685	Mobility Models for Vehicular Communications. , 2015, , 309-333.		4
687	A two-lane lattice hydrodynamic model considering multiple information of preceding cars. Nonlinear Dynamics, 2015, 81, 1907-1919.	2.7	10
688	Economic-environmental analysis of traffic-calming devices. Transportation Research, Part D: Transport and Environment, 2015, 36, 86-95.	3.2	17
689	The effects of vehicular gap changes with memory on traffic flow in cooperative adaptive cruise control strategy. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 206-223.	1.2	79

#	ARTICLE	IF	CITATIONS
690	Towards data-driven car-following models. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 55, 496-509.	3.9	109
691	Co-design of traffic network topology and control measures. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 54, 56-73.	3.9	4
692	On Microscopic Modelling of Adaptive Cruise Control Systems. <i>Transportation Research Procedia</i> , 2015, 6, 111-127.	0.8	97
693	Micro-simulation of single-lane traffic to identify critical loading conditions for long-span bridges. <i>Engineering Structures</i> , 2015, 94, 137-148.	2.6	34
695	Message forwarding based on vehicle trajectory history in Fully Distributed Traffic Information Systems. <i>Computer Communications</i> , 2015, 60, 40-52.	3.1	9
696	Asymmetric effect of route-length difference and bottleneck on route choice in two-route traffic system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 428, 416-425.	1.2	21
697	Jam-absorption driving with a car-following model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 433, 304-315.	1.2	40
698	Simulative performance evaluation of vehicular networks. , 2015, , 255-274.		4
699	A State-of-the-Art Review of Car-Following Models with Particular Considerations of Heavy Vehicles. <i>Transport Reviews</i> , 2015, 35, 82-105.	4.7	70
700	Mobility Models, Traces and Impact of Mobility on Opportunistic Routing Algorithms: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2015, 17, 1679-1707.	24.8	117
701	Computational Traffic Experiments Based on Artificial Transportation Systems: An Application of the ACP Approach. , 2015, , 181-202.		0
702	Evaluating road network damage caused by natural disasters in the Czech Republic between 1997 and 2010. <i>Transportation Research, Part A: Policy and Practice</i> , 2015, 80, 90-103.	2.0	38
703	Revisiting the Taskâ€‘Capability Interface model for incorporating human factors into car-following models. <i>Transportation Research Part B: Methodological</i> , 2015, 82, 1-19.	2.8	87
704	Traffic Simulation Performance Optimization through Multi-Resolution Modeling of Road Segments. , 2015, , .		7
705	Emission Mitigation via Longitudinal Control of Intelligent Vehicles in a Congested Platoon. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015, 30, 490-506.	6.3	43
706	Longitudinal driving behaviour on different roadway categories: an instrumentedâ€‘vehicle experiment, data collection and case study in China. <i>IET Intelligent Transport Systems</i> , 2015, 9, 555-563.	1.7	20
707	A fuel economic model predictive control strategy for a group of connected vehicles in urban roads. , 2015, , .		51
708	An Asynchronous Synchronization Strategy for Parallel Large-scale Agent-based Traffic Simulations. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
709	Sparse Vehicular Sensor Networks for Traffic Dynamics Reconstruction. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2826-2837.	4.7	5
710	Modeling lane-changing behavior in a connected environment: A game theory approach. Transportation Research Part C: Emerging Technologies, 2015, 59, 216-232.	3.9	128
711	Impact of driving aggressiveness on the traffic stability based on an extended optimal velocity model. Nonlinear Dynamics, 2015, 81, 2059-2070.	2.7	13
712	A modified full velocity difference model based on time to collision as a safely indicator for braking state. , 2015, , .		4
713	Cellular Automata-based Anthropogenic Heat Simulation 1. Procedia Computer Science, 2015, 51, 2107-2116.	1.2	6
714	Efficient vehicle driving on multi-lane roads using model predictive control under a connected vehicle environment. , 2015, , .		30
715	On some experimental features of car-following behavior and how to model them. Transportation Research Part B: Methodological, 2015, 80, 338-354.	2.8	170
716	Can rideâ€sharing become attractive? A case study of taxiâ€sharing employing a simulation modelling approach. IET Intelligent Transport Systems, 2015, 9, 210-220.	1.7	24
717	The driverâ€™s anticipation effect with passing in lattice model for two-lane freeway. Modern Physics Letters B, 2015, 29, 1550174.	1.0	6
718	Improving the Efficacy of Car-Following Models With a New Stochastic Parameter Estimation and Calibration Method. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2687-2699.	4.7	30
719	Experimental evidence supporting simpler Action Point paradigms for car-following. Transportation Research Part F: Traffic Psychology and Behaviour, 2015, 35, 1-15.	1.8	24
720	Speed-spacing dependency on relative speed from the adjacent lane: New insights for car following models. Transportation Research Part B: Methodological, 2015, 82, 74-90.	2.8	19
721	Development of a predictive collision avoidance for subjective adjacent risk estimation. , 2015, , .		5
722	A Vehicle-Intersection Coordination Scheme for Smooth Flows of Traffic Without Using Traffic Lights. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1136-1147.	4.7	182
723	Microscopic driving theory with oscillatory congested states: Model and empirical verification. Transportation Research Part B: Methodological, 2015, 71, 138-157.	2.8	71
725	The kinematic wave model with finite decelerations: A social force car-following model approximation. Transportation Research Part B: Methodological, 2015, 71, 182-193.	2.8	18
726	Linear stability of a generalized multi-anticipative car following model with time delays. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 420-426.	1.7	107
727	Stability analysis of an extended intelligent driver model and its simulations under open boundary condition. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 526-536.	1.2	67

#	ARTICLE	IF	CITATIONS
728	Modeling the Strategic Behavior of Drivers for Multi-Lane Highway Driving. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2015, 19, 45-62.	2.6	18
729	Chain-reaction crash in traffic flow controlled by taillights. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 1-6.	1.2	51
730	Comparing numerical integration schemes for time-continuous car-following models. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 183-195.	1.2	46
731	A sensor-based framework for kinetic data compression. Computational Geometry: Theory and Applications, 2015, 48, 147-168.	0.3	0
732	Genealogy of traffic flow models. EURO Journal on Transportation and Logistics, 2015, 4, 445-473.	1.3	157
735	Real-Time Traffic Speed Estimation with Adaptive Cruise Control Vehicles and Manual Vehicles in a Mixed Environment. , 2016, , .		4
736	Basics of Intelligent Transportation Systems. , 2016, , 401-419.		3
737	Reaching Destination Before Deadline With Intelligent Transportation Systems. , 2016, , 459-488.		0
738	More Single-Regime Models. , 2016, , 223-238.		0
739	Asymptotic Stability Analysis of Binary Heterogeneous Traffic Based on Car-Following Model. Discrete Dynamics in Nature and Society, 2016, 2016, 1-9.	0.5	1
740	Intelligent Transportation Systems With Diverse Vehicles. , 2016, , 420-458.		5
741	Highway Bridge Traffic Loading. , 0, , .		0
742	Non-lane-discipline-based car-following model considering the effect of visual angle. Nonlinear Dynamics, 2016, 85, 1901-1912.	2.7	39
743	Getting the Human Factor into Traffic Flow Models: New Open-Source Design to Simulate Next Generation of Traffic Operations. Transportation Research Record, 2016, 2561, 25-33.	1.0	18
744	Car-Following and Lane-Changing Behavior Involving Heavy Vehicles:. Transportation Research Record, 2016, 2561, 89-97.	1.0	19
745	Traffic simulation model for port planning and congestion prevention. , 2016, , .		7
746	Simulation framework for the development of autonomous small scale vehicles. , 2016, , .		6
747	Reducing Risk of Rollover in Curve for Heavy-Duty Vehicles with an Agent-Based Advanced Driver Assistance System. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
748	Challenges in Applying Calibration Methods to Stochastic Traffic Models. Transportation Research Record, 2016, 2560, 10-16.	1.0	5
749	A model to identify urban traffic congestion hotspots in complex networks. Royal Society Open Science, 2016, 3, 160098.	1.1	39
750	Multirate numerical scheme for large-scale vehicle traffic simulation. Mathematical Models and Computer Simulations, 2016, 8, 744-751.	0.1	1
751	Modeling Driver Behavior in a Connected Environment: Integrated Microscopic Simulation of Traffic and Mobile Wireless Telecommunication Systems. Transportation Research Record, 2016, 2560, 75-86.	1.0	89
752	Hierarchical reasoning game theory based approach for evaluation and testing of autonomous vehicle control systems. , 2016, , .		37
753	Traffic signal timing optimization incorporating individual vehicle fuel consumption characteristics under connected vehicles environment. , 2016, , .		7
754	Modeling traffic flow using simulation and Big Data analytics. , 2016, , .		9
755	Interaction aware trajectory planning for merge scenarios in congested traffic situations. , 2016, , .		27
756	Data-driven situation awareness algorithm for vehicle lane change. , 2016, , .		2
757	On-siteDriverID: A secure authentication scheme based on Spanish eID cards for vehicular ad hoc networks. Future Generation Computer Systems, 2016, 64, 50-60.	4.9	29
758	Mobility and environment improvement of signalized networks through Vehicle-to-Infrastructure (V2I) communications. Transportation Research Part C: Emerging Technologies, 2016, 68, 70-82.	3.9	81
759	Mobility and connectivity in highway vehicular networks: A case study in Madrid. Computer Communications, 2016, 78, 28-44.	3.1	32
760	A computational study of a variant of the Optimal Velocity Model with no collisions. , 2016, , .		0
761	Vehicle Longitudinal Control and Traffic Stream Modeling. Transportation Science, 2016, 50, 1016-1031.	2.6	48
762	Long-span bridge traffic loading based on multi-lane traffic micro-simulation. Engineering Structures, 2016, 115, 207-219.	2.6	51
763	Evolving lane merge traffic behaviour simulations via a macroscopic objective function and a machine learning system trained through bootstrapped human judgement. Applied Intelligence, 2016, 44, 862-877.	3.3	1
764	A car-following model considering the effect of electronic throttle opening angle under connected environment. Nonlinear Dynamics, 2016, 85, 2115-2125.	2.7	80
765	An evaluation methodology for reliable simulation based studies of routing protocols in VANETs. Simulation Modelling Practice and Theory, 2016, 66, 139-165.	2.2	14

#	ARTICLE	IF	CITATIONS
766	Stability analysis in a car-following model with reaction-time delay and delayed feedback control. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 459, 107-116.	1.2	38
767	Cellular automaton model simulating spatiotemporal patterns, phase transitions and concave growth pattern of oscillations in traffic flow. <i>Transportation Research Part B: Methodological</i> , 2016, 93, 560-575.	2.8	91
768	On the equivalence between continuum and car-following models of traffic flow. <i>Transportation Research Part B: Methodological</i> , 2016, 93, 543-559.	2.8	34
769	Isolated intersection control for various levels of vehicle technology: Conventional, connected, and automated vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 72, 109-129.	3.9	204
770	A model prediction control based framework for optimization of signaled intersection: A cyber-physical perspective. <i>Optik</i> , 2016, 127, 10068-10075.	1.4	6
771	Empirical analysis and simulation of the concave growth pattern of traffic oscillations. <i>Transportation Research Part B: Methodological</i> , 2016, 93, 338-354.	2.8	80
772	Extensions for the Foresighted Driver Model: Tactical lane change, overtaking and continuous lateral control. , 2016, , .		4
773	Analysis of planning constraints for wireless access in vehicular environments with respect to different mobility and propagation models. , 2016, , .		4
774	On the Impact of Cooperative Autonomous Vehicles in Improving Freeway Merging: A Modified Intelligent Driver Model-Based Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, , 1-7.	4.7	64
775	Nonlinear analysis of a new car-following model accounting for the global average optimal velocity difference. <i>Modern Physics Letters B</i> , 2016, 30, 1650327.	1.0	7
776	Driving Behaviors: Models and Challenges for Non-Lane Based Mixed Traffic. <i>Transportation in Developing Economies</i> , 2016, 2, 1.	0.9	49
777	Spatial-temporal traffic flow pattern identification and anomaly detection with dictionary-based compression theory in a large-scale urban network. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 71, 284-302.	3.9	52
778	A Three-Dimensional Accident Driver Model for Vehicular Ad Hoc Networks. , 2016, , .		0
779	Decoupled cooperative trajectory optimization for connected highly automated vehicles at urban intersections. , 2016, , .		12
780	Influence of connected and autonomous vehicles on traffic flow stability and throughput. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 71, 143-163.	3.9	893
781	Swarm-Inspired Modeling of a Highway System With Stability Analysis. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, , 1-9.	4.7	1
782	KITE: an efficient scheme for trust estimation and detection of errant nodes in vehicular cyber-physical systems. <i>Security and Communication Networks</i> , 2016, 9, 3271-3281.	1.0	7
783	Integration of simulation and optimization for evacuation planning. <i>Simulation Modelling Practice and Theory</i> , 2016, 67, 59-73.	2.2	39

#	ARTICLE	IF	CITATIONS
784	Calibration of nonlinear car-following laws for traffic oscillation prediction. Transportation Research Part C: Emerging Technologies, 2016, 69, 328-342.	3.9	10
785	The effects of velocity difference changes with memory on the dynamics characteristics and fuel economy of traffic flow. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 613-628.	1.2	25
786	Cluster statistics and quasisoliton dynamics in microscopic optimal-velocity models. Physical Review E, 2016, 93, 042212.	0.8	0
787	Improved 2D intelligent driver model in the framework of three-phase traffic theory simulating synchronized flow and concave growth pattern of traffic oscillations. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 41, 55-65.	1.8	45
788	Framework to Assess Multiclass Continuum Traffic Flow Models. Transportation Research Record, 2016, 2553, 150-160.	1.0	7
789	Comparative study of connected vehicle simulators. , 2016, , .		4
790	Critical Assessment of Methodologies for Operations and Safety Evaluations of Freeway Turbulence. Transportation Research Record, 2016, 2556, 39-48.	1.0	14
791	A new macro model of traffic flow by incorporating both timid and aggressive driving behaviors. Modern Physics Letters B, 2016, 30, 1650351.	1.0	11
792	Tactical cooperative planning for autonomous highway driving using Monte-Carlo Tree Search. , 2016, , .		56
793	An overtaking decision algorithm for networked intelligent vehicles based on cooperative perception. , 2016, , .		6
794	Route and Stopping Intent Prediction at Intersections From Car Fleet Data. IEEE Transactions on Intelligent Vehicles, 2016, 1, 177-186.	9.4	6
795	A unified model for two-lane lattice traffic flow. International Journal of Modern Physics B, 2016, 30, 1650227.	1.0	2
796	Efficient intersection control for minimally guided vehicles: A self-organised and decentralised approach. Transportation Research Part C: Emerging Technologies, 2016, 72, 283-305.	3.9	23
797	EFFECT OF ACCELERATION AND DECELERATION INFORMATION PROVISION ON CAR -FOLLOWING BEHAVIOR ON DRIVING SIMULATOR. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning) Tj ETQq1 1 0.784314 rgBT /Over		
798	A new multi-anticipative car-following model with consideration of the desired following distance. Nonlinear Dynamics, 2016, 85, 2705-2717.	2.7	39
799	The effect of information uncertainty in road transportation systems. Journal of Computational Science, 2016, 16, 170-176.	1.5	15
800	Towards Behavioral Modeling of Drivers in Mixed Traffic Conditions. Transportation in Developing Economies, 2016, 2, 1.	0.9	37
801	A global optimization algorithm for trajectory data based car-following model calibration. Transportation Research Part C: Emerging Technologies, 2016, 68, 311-332.	3.9	71

#	ARTICLE	IF	CITATIONS
802	Speed or spacing? Cumulative variables, and convolution of model errors and time in traffic flow models validation and calibration. <i>Transportation Research Part B: Methodological</i> , 2016, 91, 21-33.	2.8	59
803	Reaching destination on time with cooperative intelligent transportation systems. <i>Journal of Advanced Transportation</i> , 2016, 50, 214-227.	0.9	4
804	Modeling Traffic at Sags. <i>International Journal of Intelligent Transportation Systems Research</i> , 2016, 14, 64-74.	0.6	19
805	A Survey on Platoon-Based Vehicular Cyber-Physical Systems. <i>IEEE Communications Surveys and Tutorials</i> , 2016, 18, 263-284.	24.8	570
806	A cross-entropy method and probabilistic sensitivity analysis framework for calibrating microscopic traffic models. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 63, 147-169.	3.9	41
807	Hierarchical control strategies for energy management of connected hybrid electric vehicles in urban roads. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 62, 70-86.	3.9	128
808	Complex motion of a shuttle bus between two terminals with periodic inflows. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 449, 254-264.	1.2	7
809	An improved car-following model considering relative velocity fluctuation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 36, 319-326.	1.7	75
810	Hierarchical model predictive control for multi-lane motorways in presence of Vehicle Automation and Communication Systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 62, 117-132.	3.9	63
811	Information metrics for improved traffic model fidelity through sensitivity analysis and data assimilation. <i>Transportation Research Part B: Methodological</i> , 2016, 86, 1-18.	2.8	13
812	Genetic tuning of fuzzy rule-based systems for multi-hop broadcast protocols for VANETs. <i>Telecommunication Systems</i> , 2016, 63, 399-420.	1.6	5
813	Failure of classical traffic flow theories: Stochastic highway capacity and automatic driving. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 450, 700-747.	1.2	116
814	Simulation-assisted exploration of charging infrastructure requirements for electric vehicles in urban environments. <i>Journal of Computational Science</i> , 2016, 12, 1-10.	1.5	37
815	Efficient Driving on Multilane Roads Under a Connected Vehicle Environment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 2541-2551.	4.7	64
816	A quantitative approach to the behavioural analysis of drivers in highways using particle filtering. <i>Transportation Planning and Technology</i> , 2016, 39, 78-96.	0.9	2
817	Dependable Traffic Control Strategies for Urban and Freeway Networks. <i>Mobile Networks and Applications</i> , 2016, 21, 98-126.	2.2	2
818	Review and New Insights of the Car-Following Model for Road Vehicle Traffic Flow. , 2016, , 87-96.		1
819	Categorization of the lane change decision process on freeways. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 69, 515-526.	3.9	69

#	ARTICLE	IF	CITATIONS
820	Modeling and simulation of the car-truck heterogeneous traffic flow based on a nonlinear car-following model. <i>Applied Mathematics and Computation</i> , 2016, 273, 706-717.	1.4	41
821	Effect of stopover on motion of two competing elevators in peak traffic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 613-621.	1.2	12
822	A fuzzy logic-based multi-agent car-following model. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 69, 477-496.	3.9	39
823	Traffic jam at adjustable tollgates controlled by line length. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 442, 131-136.	1.2	21
824	Modelling car-following behaviour with lateral separation and overtaking expectation. <i>Transportmetrica B</i> , 2016, 4, 223-239.	1.4	10
825	A vehicle type-dependent visual imaging model for analysing the heterogeneous car-following dynamics. <i>Transportmetrica B</i> , 2016, 4, 68-85.	1.4	17
826	Extending Real-Time Challenge Balancing to Multiplayer Games: A Study on Eco-Driving. <i>IEEE Transactions on Games</i> , 2016, 8, 27-32.	1.7	7
827	Optimal velocity model with dual boundary optimal velocity function. <i>Transportmetrica B</i> , 2017, 5, 211-227.	1.4	7
828	Multi anticipative bidirectional macroscopic traffic model considering cooperative driving strategy. <i>Transportmetrica B</i> , 2017, 5, 96-110.	1.4	13
829	Joint Routing and Spectrum Allocation for Multi-hop Inter-Vehicle Communication in Cognitive Radio Networks. <i>International Journal of Intelligent Transportation Systems Research</i> , 2017, 15, 39-49.	0.6	7
830	Cellular Automaton Model with Dynamical 2D Speed-Gap Relation. <i>Transportation Science</i> , 2017, 51, 807-822.	2.6	46
831	Performance Analysis of IEEE 802.11p DCF for Multiplatooning Communications With Autonomous Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 2485-2498.	3.9	104
832	Observations on the fundamental diagram and their interpretation from the human factors perspective. <i>Transportmetrica B</i> , 2017, 5, 159-176.	1.4	5
833	Investigating adaptive-ECMS with velocity forecast ability for hybrid electric vehicles. <i>Applied Energy</i> , 2017, 185, 1644-1653.	5.1	261
834	Fast Model Predictive Control-Based Fuel Efficient Control Strategy for a Group of Connected Vehicles in Urban Road Conditions. <i>IEEE Transactions on Control Systems Technology</i> , 2017, 25, 760-767.	3.2	141
835	Analysis of vehicle's safety envelope under car-following model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 474, 127-133.	1.2	47
836	Vehicle headway modeling and its inferences in macroscopic/microscopic traffic flow theory: A survey. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 76, 170-188.	3.9	116
837	Modeling of Human Behavior Within the Paradigm of Modern Physics. <i>Understanding Complex Systems</i> , 2017, , 213-249.	0.3	0

#	ARTICLE	IF	CITATIONS
838	Integrated Cooperative Adaptive Cruise and Variable Speed Limit Controls for Reducing Rear-End Collision Risks Near Freeway Bottlenecks Based on Micro-Simulations. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 3157-3167.	4.7	71
839	Eco approaching at an isolated signalized intersection under partially connected and automated vehicles environment. Transportation Research Part C: Emerging Technologies, 2017, 79, 290-307.	3.9	248
840	Evaluating the safety impact of adaptive cruise control in traffic oscillations on freeways. Accident Analysis and Prevention, 2017, 104, 137-145.	3.0	139
841	Improved coupled map car-following model considering partial car-to-car communication and its jam analysis. Canadian Journal of Physics, 2017, 95, 1096-1102.	0.4	4
842	On the Performance Enhancement of Vehicular Ad Hoc Network for Transportation Cyber Physical Systems. , 2017, , .		1
843	Dependence of driving characteristics upon followerâ€œleader combination. Physica A: Statistical Mechanics and Its Applications, 2017, 483, 503-516.	1.2	7
844	Effect of periodic inflow on speed-controlled shuttle bus. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 224-231.	1.2	6
845	A new methodology for vehicle trajectory reconstruction based on wavelet analysis. Transportation Research Part C: Emerging Technologies, 2017, 74, 150-167.	3.9	46
846	Self-Organized Relay Selection for Cooperative Transmission in Vehicular Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9534-9549.	3.9	53
847	Experimental and Empirical Investigations of Traffic Flow Instability. Transportation Research Procedia, 2017, 23, 157-173.	0.8	29
848	On the cooperative automatic lane change: Speed synchronization and automatic â€œcourtesyâ€œ, 2017, , .		7
849	A methodology for calculating congested traffic characteristic loading on long-span bridges using site-specific data. Computers and Structures, 2017, 190, 1-12.	2.4	15
850	Effect of Information Availability on Stability of Traffic Flow: Percolation Theory Approach. Transportation Research Procedia, 2017, 23, 81-100.	0.8	25
851	Relaxing Synchronization in Parallel Agent-Based Road Traffic Simulation. ACM Transactions on Modeling and Computer Simulation, 2017, 27, 1-24.	0.6	10
852	Reducing Synchronization Overhead with Computation Replication in Parallel Agent-Based Road Traffic Simulation. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 3286-3297.	4.0	5
853	An improved cellular automaton with axis information for microscopic traffic simulation. Transportation Research Part C: Emerging Technologies, 2017, 78, 63-77.	3.9	54
854	An extended microscopic traffic flow model based on the spring-mass system theory. Modern Physics Letters B, 2017, 31, 1750090.	1.0	14
855	A Stochastic Driver Pedal Behavior Model Incorporating Road Information. IEEE Transactions on Human-Machine Systems, 2017, 47, 614-624.	2.5	45

#	ARTICLE	IF	CITATIONS
856	Lattice hydrodynamic model for traffic flow on curved road with passing. Nonlinear Dynamics, 2017, 89, 107-124.	2.7	21
857	Traffic evacuation simulation based on multi-level driving decision model. Transportation Research Part C: Emerging Technologies, 2017, 78, 129-149.	3.9	28
858	Linear and nonlinear stability analysis of an extended car-following model considering pedestrians on adjacent lane. Nonlinear Dynamics, 2017, 88, 777-789.	2.7	5
859	A flexible traffic stream model and its three representations of traffic flow. Transportation Research Part C: Emerging Technologies, 2017, 75, 136-167.	3.9	12
860	Optimal Control of Connected Vehicle Systems With Communication Delay and Driver Reaction Time. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2056-2070.	4.7	143
861	Agent-based simulation framework for mixed traffic of cars, pedestrians and trams. Transportation Research Part C: Emerging Technologies, 2017, 85, 234-248.	3.9	38
862	A unified follow-the-leader model for vehicle, bicycle and pedestrian traffic. Transportation Research Part B: Methodological, 2017, 105, 315-327.	2.8	49
863	Network Flow Relations and Travel Time Reliability in a Connected Environment. Transportation Research Record, 2017, 2622, 24-37.	1.0	14
865	Vehicles on RFID: Error-Cognitive Vehicle Localization in GPS-Less Environments. IEEE Transactions on Vehicular Technology, 2017, 66, 9943-9957.	3.9	37
866	Imitating driver behavior with generative adversarial networks. , 2017, , .		245
867	Belief state planning for autonomously navigating urban intersections. , 2017, , .		43
868	Effect of adaptive and cooperative adaptive cruise control on throughput of signalized arterials. , 2017, , .		23
869	Evaluation of Driver Car-Following Behavior Models for Cooperative Adaptive Cruise Control Systems. Transportation Research Record, 2017, 2622, 84-95.	1.0	18
870	Formal Model-Based Synthesis of Application-Specific Static RTOS. Transactions on Embedded Computing Systems, 2017, 16, 1-25.	2.1	9
871	Validation of the Rakha-Pasumarthy-Adjerid car-following model for vehicle fuel consumption and emission estimation applications. Transportation Research, Part D: Transport and Environment, 2017, 55, 246-261.	3.2	19
872	Probabilistic Model for Interaction Aware Planning in Merge Scenarios. IEEE Transactions on Intelligent Vehicles, 2017, , 1-1.	9.4	15
873	Simulation of emergency care for patients with ACS in Saint Petersburg for ambulance decision making. Procedia Computer Science, 2017, 108, 2210-2219.	1.2	3
874	A stochastic approach to the flow-concentration curve in traffic flow theory. Transportation Research Procedia, 2017, 25, 1227-1237.	0.8	1

#	ARTICLE	IF	CITATIONS
875	Mobility impact on EDCA. , 2017, , .		1
876	Deep neural networks for Markovian interactive scene prediction in highway scenarios. , 2017, , .		57
877	Traffic signal timing optimization in connected vehicles environment. , 2017, , .		20
878	Evaluating impacts of different longitudinal driver assistance systems on reducing multi-vehicle rear-end crashes during small-scale inclement weather. Accident Analysis and Prevention, 2017, 107, 63-76.	3.0	41
879	Scene-aware driver state understanding in car-following behaviors. , 2017, , .		2
880	Offline reconstruction of missing vehicle trajectory data from 3D LIDAR. , 2017, , .		8
881	Maneuver planning for highly automated vehicles. , 2017, , .		7
882	Probabilistic long-term prediction for autonomous vehicles. , 2017, , .		38
883	Latent heat of traffic moving from rest. New Journal of Physics, 2017, 19, 113034.	1.2	1
884	Realistic Car-Following Models for Microscopic Simulation of Adaptive and Cooperative Adaptive Cruise Control Vehicles. Transportation Research Record, 2017, 2623, 1-9.	1.0	105
885	Dynamic programming-based multi-vehicle longitudinal trajectory optimization with simplified car following models. Transportation Research Part B: Methodological, 2017, 106, 102-129.	2.8	96
886	Experimental testing and simulations of speed variations impact on fuel consumption of conventional gasoline passenger cars. Transportation Research, Part D: Transport and Environment, 2017, 57, 336-349.	3.2	8
887	The Intelligent Driver Model with Stochasticity -New Insights Into Traffic Flow Oscillations. Transportation Research Procedia, 2017, 23, 174-187.	0.8	75
888	Characterising Green Light Optimal Speed Advisory trajectories for platoon-based optimisation. Transportation Research Part C: Emerging Technologies, 2017, 82, 43-62.	3.9	69
889	Developing architecture of a traveler information system for dynamic equilibrium in traffic networks. Journal of Modern Transportation, 2017, 25, 106-115.	2.5	2
890	An aggressive car-following model in the view of driving style. Canadian Journal of Civil Engineering, 2017, 44, 775-782.	0.7	4
891	A Jam-Absorption Driving Strategy for Mitigating Traffic Oscillations. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 802-813.	4.7	58
892	A new lattice model of traffic flow with the consideration of the drivers'™ aggressive characteristics. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 315-321.	1.2	45

#	ARTICLE	IF	CITATIONS
893	Adaptive Connectivity for Vehicular Cyber-Physical Systems. , 2017, , 15-24.		7
894	Analysis of Recurrent Neural Networks for Probabilistic Modeling of Driver Behavior. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1289-1298.	4.7	166
895	Evaluation of the impacts of cooperative adaptive cruise control on reducing rear-end collision risks on freeways. Accident Analysis and Prevention, 2017, 98, 87-95.	3.0	149
896	Heavy-Vehicle Gap Control for Bridge Loading Mitigation. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 118-131.	2.6	2
897	Lightweight joint simulation of vehicular mobility and communication with LIMoSim. , 2017, , .		9
898	Vehicular radar and communication for traffic capacity improvement in realistic urban road. , 2017, , .		3
899	A data-driven congestion diffusion model for characterizing traffic in metrocity scales. , 2017, , .		2
900	An Evolutionary Approach to General-Purpose Automated Speed and Lane Change Behavior. , 2017, , .		5
901	Mechanics-Based Acceleration Modeling of Multilane Traffic Flow. Transportation Research Record, 2017, 2622, 117-124.	1.0	1
902	Modeling Small Unmanned Aircraft System Traffic Flow Under External Force. Transportation Research Record, 2017, 2626, 74-84.	1.0	4
903	Car-following Behavior Model Learning Using Timed Automata. IFAC-PapersOnLine, 2017, 50, 2353-2358.	0.5	10
904	Interaction-aware driver maneuver inference in highways using realistic driver models. , 2017, , .		8
905	Regular: Attacker-Induced Traffic Flow Instability in a Stream of Semi-Automated Vehicles. , 2017, , .		8
906	Exploitation of ACC systems towards improved traffic flow efficiency on motorways. , 2017, , .		14
907	Framework for control and deep reinforcement learning in traffic. , 2017, , .		23
908	The value of inferring the internal state of traffic participants for autonomous freeway driving. , 2017, , .		49
909	Mobile Edge Computing-Based Vehicular Cloud of Cooperative Adaptive Driving for Platooning Autonomous Self Driving. , 2017, , .		24
910	Calibration and evaluation of car following models using real-world driving data. , 2017, , .		42

#	ARTICLE	IF	CITATIONS
911	A simulation-based heuristic for city-scale electric vehicle charging station placement. , 2017, , .		16
912	Evaluation of an MPC strategy for motorway traffic comprising connected and automated vehicles. , 2017, , .		9
913	Simulated validation of an intelligent traffic control system. , 2017, , .		1
914	Automated vehicle system architecture with performance assessment. , 2017, , .		12
915	Interactive Visualization of Traffic Dynamics Based on Trajectory Data. , 2017, , .		6
916	From cellular automation to renormalization: Looking into how smart cars enhance the roads capacity. , 2017, , .		0
917	Simultaneous policy learning and latent state inference for imitating driver behavior. , 2017, , .		22
918	Cooperative autonomous driving for traffic congestion avoidance through vehicle-to-vehicle communications. , 2017, , .		29
919	Bidirectional highway traffic for network simulation. , 2017, , .		0
920	Poster: On the effects of cooperative platooning on traffic shock waves. , 2017, , .		7
921	Advanced tutorial on microscopic discrete-event traffic simulation. , 2017, , .		3
922	Integrated ACC and CACC development for Heavy-Duty Truck partial automation. , 2017, , .		28
923	Free flow acceleration: Humans and car-following models. , 2017, , .		0
924	An Integrated Approach Enabling Cross-Domain Simulation of Model-Based E/E-Architectures. , 0, , .		7
925	Will Automated Vehicles Negatively Impact Traffic Flow?. Journal of Advanced Transportation, 2017, 2017, 1-17.	0.9	117
926	A lane-change maneuver of automated vehicles for improving traffic flow on highways with multiple lanes. , 2017, , .		4
927	The evaluation of a predictive forwarding scheme in three-dimensional vehicular communication scenarios. , 2017, , .		3
928	Modeling of individual differences in car-following behaviour of drivers. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
929	Viability Analysis of TwoRayGround and Nakagami Model for Vehicular Ad-Hoc Networks. International Journal of Applied Evolutionary Computation, 2017, 8, 44-57.	0.7	16
931	Impacts analysis of car following models considering variable vehicular gap policies. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 338-355.	1.2	60
932	Making Bertha Cooperateâ€™Team AnnieWAYâ€™s Entry to the 2016 Grand Cooperative Driving Challenge. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1262-1276.	4.7	32
933	Biologically Guided Driver Modeling: the Stop Behavior of Human Car Drivers. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2454-2469.	4.7	22
934	Fundamental Diagram and Passenger Comfort of Mixed Traffic Flow Consisting of Adaptive Cruise Control Vehicles and Manual Vehicles. , 2018, , .		1
935	Risk perception and the warning strategy based on microscopic driving state. Accident Analysis and Prevention, 2018, 118, 154-165.	3.0	15
936	An extended macro model accounting for acceleration changes with memory and numerical tests. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 270-283.	1.2	17
937	Impact of cooperative adaptive cruise control on multilane freeway merge capacity. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2018, 22, 263-275.	2.6	90
938	Impact of safety assistance driving systems on oscillation magnitude, fuel consumption and emission in a car platoon. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 995-1007.	1.2	10
939	NECPPA: A novel and efficient conditional privacy-preserving authentication scheme for VANET. Computer Networks, 2018, 134, 78-92.	3.2	97
941	Vehicular cloud computing: Architectures, applications, and mobility. Computer Networks, 2018, 135, 171-189.	3.2	153
942	Risk estimation for driving support and behavior planning in intelligent vehicles. Automatisierungstechnik, 2018, 66, 119-131.	0.4	8
943	Longitudinal safety evaluation of connected vehiclesâ€™ platooning on expressways. Accident Analysis and Prevention, 2018, 117, 381-391.	3.0	194
944	Non-lane-discipline-based car-following model under honk environment. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 278-293.	1.2	5
945	Data-parallel agent-based microscopic road network simulation using graphics processing units. Simulation Modelling Practice and Theory, 2018, 83, 188-200.	2.2	17
946	An extended heterogeneous car-following model accounting for anticipation driving behavior and mixed maximum speeds. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 489-498.	0.9	21
947	A framework for user- and system-oriented optimisation of fuel efficiency and traffic flow in Adaptive Cruise Control. Transportation Research Part C: Emerging Technologies, 2018, 92, 27-41.	3.9	23
948	Cooperative Driving and Lane Changing Modeling for Connected Vehicles in the Vicinity of Traffic Signals: A Cyber-Physical Perspective. IEEE Access, 2018, 6, 13891-13897.	2.6	26

#	ARTICLE	IF	CITATIONS
949	Control designs and stability analyses for Helly's car-following model. International Journal of Modern Physics C, 2018, 29, 1850025.	0.8	3
950	Modeling the Imperfect Driver: Incorporating Human Factors in a Microscopic Traffic Model. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2856-2870.	4.7	32
951	A system for the generation of synthetic Wide Area Aerial surveillance imagery. Simulation Modelling Practice and Theory, 2018, 84, 286-308.	2.2	6
952	Learning Driver-Specific Behavior for Overtaking: A Combined Learning Framework. IEEE Transactions on Vehicular Technology, 2018, 67, 6788-6802.	3.9	45
953	Data-driven car-following model based on rough set theory. IET Intelligent Transport Systems, 2018, 12, 49-57.	1.7	32
954	On actions of long combination vehicle drivers prior to lane changes in dense highway traffic – A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 55, 25-37.	1.8	7
955	Study of traffic flow characteristics using different vehicle-following models under mixed traffic conditions. Transportation Letters, 2018, 10, 92-103.	1.8	57
956	Nonlane-Discipline-Based Car-Following Model for Electric Vehicles in Transportation- Cyber-Physical Systems. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 38-47.	4.7	76
957	Generalized velocity-density model based on microscopic traffic simulation. Transport, 2018, 33, 489-501.	0.6	7
958	A pseudo-microsimulation approach for modelling congested traffic loading on long-span bridges. Structure and Infrastructure Engineering, 2018, 14, 163-176.	2.0	8
959	A Bargaining-Based Solution to the Team Mobility Planning Game. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 854-867.	4.7	2
960	Capturing Car-Following Behaviors by Deep Learning. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 910-920.	4.7	194
961	A predictive control framework for torque-based steering assistance to improve safety in highway driving. Vehicle System Dynamics, 2018, 56, 810-831.	2.2	33
962	Shadow traffic: A unified model for abnormal traffic behavior simulation. Computers and Graphics, 2018, 70, 235-241.	1.4	19
963	Cellular automaton for migration in ecosystem: Application of traffic model to a predator-prey system. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 803-807.	1.2	9
964	Effect of information availability on stability of traffic flow: Percolation theory approach. Transportation Research Part B: Methodological, 2018, 117, 624-638.	2.8	10
965	Experimental and empirical investigations of traffic flow instability. Transportation Research Part C: Emerging Technologies, 2018, 94, 83-98.	3.9	73
966	The Intelligent Driver Model with stochasticity – New insights into traffic flow oscillations. Transportation Research Part B: Methodological, 2018, 117, 613-623.	2.8	51

#	ARTICLE	IF	CITATIONS
967	Modeling phase diagrams as stochastic processes with application in vehicular traffic flow. Applied Mathematical Modelling, 2018, 53, 106-117.	2.2	18
968	Defensive Driving Strategy and Control for Autonomous Ground Vehicle in Mixed Traffic. Studies in Computational Intelligence, 2018, , 3-44.	0.7	1
969	Relative velocity difference model for the car-following theory. Nonlinear Dynamics, 2018, 91, 1415-1428.	2.7	83
970	Improving fuel consumption and CO2 emissions calculations in urban areas by coupling a dynamic micro traffic model with an instantaneous emissions model. Transportation Research, Part D: Transport and Environment, 2018, 65, 772-783.	3.2	26
971	Longitudinal train dynamics model for a rail transit simulation system. Transportation Research Part C: Emerging Technologies, 2018, 86, 111-123.	3.9	28
972	Car-Following Behavior of Connected Vehicles in a Mixed Traffic Flow: Modeling and Stability Analysis. , 2018, , .		5
973	Modeling Connected Vehicle Impacts on Traffic Mobility, Safety, and Emission. , 2018, , .		0
974	A Simulation-Based Analysis of the Loss Process of Broadcast Packets in WAVE Vehicular Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	0.8	3
975	Ensuring Safety in Augmented Reality from Trade-off Between Immersion and Situation Awareness. , 2018, , .		20
976	Evaluating Model Mismatch Impacting CACC Controllers in Mixed Traffic Using a Driving Simulator. , 2018, , .		2
977	Simulation of Heavy-Duty Vehicles in Platooning Scenarios. , 2018, , .		8
978	Tackling Occlusions & Limited Sensor Range with Set-based Safety Verification. , 2018, , .		64
979	Efficient and Safe Vehicle Navigation Based on Driver Behavior Classification. , 2018, , .		12
980	Identifying Driver Behaviors Using Trajectory Features for Vehicle Navigation. , 2018, , .		17
981	Eco-driving on Hilly Roads Using Model Predictive Control. , 2018, , .		5
982	Control of Connected and Autonomous Vehicles with Cut-in Movement using Spring Mass Damper System. Transportation Research Record, 2018, 2672, 133-143.	1.0	11
983	Eco-Driving at Successive Signalized Intersections under Partially Connected Vehicles Environment. , 2018, , .		1
984	Modeling Traffic Accidents Caused by Random Misperception. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
985	Incorporation of Driver Distraction in Car-following model based on Driver's Eye Glance Behavior. , 2018, , .		3
986	Optimization of Velocity Ramps with Survival Analysis for Intersection Merge-Ins. , 2018, , .		13
987	Connections between classical car following models and artificial neural networks. , 2018, , .		7
988	Automated Speed and Lane Change Decision Making using Deep Reinforcement Learning. , 2018, , .		139
989	Safe Reinforcement Learning on Autonomous Vehicles. , 2018, , .		33
990	A Study on Economical Vehicle Platooning Strategy in Urban Driving Scenarios. , 2018, , .		2
991	Cooperative driving modelling in the vicinity of traffic signals based on intelligent driver model. IET Intelligent Transport Systems, 2018, 12, 1236-1242.	1.7	11
992	To Merge Early or Late: Analysis of Traffic Flow and Energy Impact in a Reduced Lane Scenario. , 2018, , .		3
993	Interaction-Aware Probabilistic Behavior Prediction in Urban Environments. , 2018, , .		43
994	Exploring Execution Schemes for Agent-Based Traffic Simulation on Heterogeneous Hardware. , 2018, , .		12
995	Modeling Car-Following Behavior Impacted by Road Gradients. , 2018, , .		0
996	Impact of Distributed Routing of Intelligent Vehicles on Urban Traffic. , 2018, , .		6
997	Feedback Traffic Control at Highway Work Zones using Variable Speed Limits. IFAC-PapersOnLine, 2018, 51, 329-336.	0.5	13
998	A framework for a multi-agent traffic simulation using combined behavioural models. Procedia Computer Science, 2018, 136, 443-452.	1.2	2
999	Arterial Intersection Improvement by Using Vehicle Platooning and Coordinated Start. IFAC-PapersOnLine, 2018, 51, 136-141.	0.5	13
1000	A Scalable and Computationally Efficient Connected Vehicle-Based Signal Control Algorithm. , 2018, , .		2
1001	Investigating the oscillation characteristics and mitigating its impact with low-penetration connected and automated vehicles. , 2018, , .		2
1002	Centralized Model Predictive CACC Control Robust to Burst Communication Errors. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
1003	A Case for Online Traffic Simulation: Systematic Procedure to Calibrate Car-Following Models Using Vehicle Data. , 2018, , .		3
1004	An optimal velocity robust car-following model with consideration of control uncertainty. , 2018, , .		0
1005	Predictive Fuzzy Markov Decision Strategy for Autonomous Driving in Highways. , 2018, , .		13
1006	Generic Vehicle Tracking Framework Capable of Handling Occlusions Based on Modified Mixture Particle Filter. , 2018, , .		22
1007	Addressing Mandatory Lane Change Problem with Game Theoretic Model Predictive Control and Fuzzy Markov Chain. , 2018, , .		12
1008	Real Time Traffic Control Using Big Data Analytics. , 2018, , .		1
1009	A Reinforcement Learning Based Approach for Automated Lane Change Maneuvers. , 2018, , .		172
1010	Human-like autonomous car-following model with deep reinforcement learning. Transportation Research Part C: Emerging Technologies, 2018, 97, 348-368.	3.9	284
1011	Intention-aware Decision Making in Urban Lane Change Scenario for Autonomous Driving. , 2018, , .		8
1012	A new adaptive cruise control strategy and its stabilization effect on traffic flow. European Transport Research Review, 2018, 10, .	2.3	25
1013	An Advantage of the Vehicle to Vehicle Communication for an Automated Driving Car at the Encounter with an Ambulance. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 1281-1289.	0.2	4
1014	Dissipating stop-and-go waves in closed and open networks via deep reinforcement learning. , 2018, , .		62
1015	Adaptive Car Following Model. Strojnický Casopis, 2018, 68, 281-288.	0.3	0
1016	Exploring the Use of Driver Attributes to Characterize Heterogeneity in Naturalistic Driving Behavior. , 2018, , .		3
1017	Decision- Time Postponing Motion Planning for Combinatorial Uncertain Maneuvering. , 2018, , .		8
1018	Lagrangian Control through Deep-RL: Applications to Bottleneck Decongestion. , 2018, , .		53
1019	DDT: Deep Driving Tree for Proactive Planning in Interactive Scenarios. , 2018, , .		4
1020	Interaction-Aware Long-term Driving Situation Prediction. , 2018, , .		9

#	ARTICLE	IF	CITATIONS
1021	Efficient and Collision-Free Anticipative Cruise Control in Randomly Mixed Strings. IEEE Transactions on Intelligent Vehicles, 2018, 3, 439-452.	9.4	41
1022	Traffic Participants in the Loop: A Mixed Reality-Based Interaction Testbed for the Verification and Validation of Autonomous Vehicles. , 2018, , .		10
1023	Trajectory Planning for Automated Vehicles using Driver Models. , 2018, , .		8
1024	Continuous Behavioral Prediction in Lane-Change for Autonomous Driving Cars in Dynamic Environments. , 2018, , .		4
1025	Estimating the fundamental diagram using moving observers. , 2018, , .		5
1026	Rule based control for merges: Assessment and case study. , 2018, , .		5
1027	Multi-Object Tracking with Interacting Vehicles and Road Map Information. , 2018, , .		3
1028	Adaptive Stress Testing for Autonomous Vehicles. , 2018, , .		89
1029	Exploiting Hierarchy for Scalable Decision Making in Autonomous Driving. , 2018, , .		2
1030	Effects of adaptive and cooperative adaptive cruise control on the fuel consumption and emissions at the signalized intersection. Modern Physics Letters B, 2018, 32, 1850396.	1.0	4
1031	Improving Freeway Operation with Ramp Metering Control Using Connected Vehicles as "Floating Sensors", 2018, , .		5
1032	Scalable Decision Making with Sensor Occlusions for Autonomous Driving. , 2018, , .		44
1033	Navigating Occluded Intersections with Autonomous Vehicles Using Deep Reinforcement Learning. , 2018, , .		212
1034	Situation Assessment for Planning Lane Changes: Combining Recurrent Models and Prediction. , 2018, , .		15
1035	Adaptive Cruise Control Operation for Improved Motorway Traffic Flow. Transportation Research Record, 2018, 2672, 24-35.	1.0	26
1036	Stabilizing Traffic with Autonomous Vehicles. , 2018, , .		84
1037	Capability of Current Car-Following Models to Reproduce Vehicle Free-Flow Acceleration Dynamics. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3594-3603.	4.7	33
1038	A novel car-following model considering conditional heteroskedasticity of acceleration fluctuation and driving force. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2301-2311.	0.8	2

#	ARTICLE	IF	CITATIONS
1039	Evaluation of weather-related freeway car-following behavior using the SHRP2 naturalistic driving study database. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 59, 244-259.	1.8	34
1040	Dynamic Space-time Resource Allocation for Signal-less Intersection Management in a Connected Autonomous Vehicle Environment. , 2018, , .		1
1041	Experimental study and modeling of car-following behavior under high speed situation. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 97, 194-215.	3.9	50
1042	A computational model for driver's cognitive state, visual perception and intermittent attention in a distracted car following task. <i>Royal Society Open Science</i> , 2018, 5, 180194.	1.1	17
1043	Modeling Microscopic Car-Following Strategy of Mixed Traffic to Identify Optimal Platoon Configurations for Multiobjective Decision-Making. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-15.	0.9	30
1044	Multi-vehicle Coordination on Merging Roads Based on Pseudo-perturbation-based Broadcast Control. , 2018, , .		9
1045	A pattern recognition algorithm for assessing trajectory completeness. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 96, 432-457.	3.9	39
1046	Unravelling effects of cooperative adaptive cruise control deactivation on traffic flow characteristics at merging bottlenecks. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 96, 380-397.	3.9	136
1047	Evaluation of the Gradient Boosting of Regression Trees Method on Estimating Car-Following Behavior. <i>Transportation Research Record</i> , 2018, 2672, 136-146.	1.0	18
1048	The Car Following Model with Relative Speed in Front on the Three-Lane Road. <i>Discrete Dynamics in Nature and Society</i> , 2018, 2018, 1-9.	0.5	5
1049	Real-Time Prediction of Vehicle Trajectories for Proactively Identifying Risky Driving Behaviors at High-Speed Intersections. <i>Transportation Research Record</i> , 2018, 2672, 233-244.	1.0	4
1050	Control design for stable connected cruise control systems to enhance safety and traffic efficiency. <i>IET Intelligent Transport Systems</i> , 2018, 12, 921-930.	1.7	14
1051	Traffic Shockwave Detection in a Connected Environment using the Speed Distribution of Individual Vehicles. <i>Transportation Research Record</i> , 2018, 2672, 203-214.	1.0	15
1052	Machine Learning Approach to Short-Term Traffic Congestion Prediction in a Connected Environment. <i>Transportation Research Record</i> , 2018, 2672, 185-195.	1.0	33
1053	Using synchronous and asynchronous parallel Differential Evolution for calibrating a second-order traffic flow model. <i>Advances in Engineering Software</i> , 2018, 125, 1-18.	1.8	16
1054	A generic multi-level framework for microscopic traffic simulationâ€™Theory and an example case in modelling driver distraction. <i>Transportation Research Part B: Methodological</i> , 2018, 117, 63-86.	2.8	52
1055	Examining the Impact on Road Safety of Different Penetration Rates of Vehicle-to-Vehicle Communication and Adaptive Cruise Control. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2018, 10, 24-34.	2.6	24
1056	Evaluation of the Impacts of Driver Population Heterogeneity on Capacity and Traffic Performance Using Microscopic Simulation. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1057	A generic data assimilation framework for vehicle trajectory reconstruction on signalized urban arterials using particle filters. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 92, 364-391.	3.9	47
1058	Evaluation of a model predictive control framework for motorway traffic involving conventional and automated vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 92, 456-471.	3.9	28
1059	Fast-Forwarding Agent States to Accelerate Microscopic Traffic Simulations. , 2018, , .		6
1060	Influence of cooperative-controlled driving in the traffic flow. , 2018, , .		3
1061	Road-Speed Profile for Enhanced Perception of Traffic Conditions in a Partially Connected Vehicle Environment. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 6824-6837.	3.9	33
1062	Synchronous Control of Vehicle Following Behavior and Distance Under the Safe and Efficient Steady-Following State: Two Case Studies of High-Speed Train Following Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 1445-1456.	4.7	17
1063	Parametric study of microscopic two-dimensional traffic flow models: A literature review. <i>Canadian Journal of Civil Engineering</i> , 2018, 45, 909-921.	0.7	16
1064	Variable speed limit control scheme for vehicle in the vicinity of signalized intersection. <i>Modern Physics Letters B</i> , 2018, 32, 1850218.	1.0	2
1065	A Robust Longitudinal Control Strategy of Platoons under Model Uncertainties and Time Delays. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-13.	0.9	51
1066	A New Control Strategy Integrated into the Desired Safety Margin Car-Following Model Considering the Disturbance Level. <i>Transportation Research Record</i> , 2018, 2672, 162-177.	1.0	3
1067	An eco-driving system for electric vehicles with signal control under V2X environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 93, 335-350.	3.9	66
1068	Lane-Change Intention Estimation for Car-Following Control in Autonomous Driving. <i>IEEE Transactions on Intelligent Vehicles</i> , 2018, 3, 276-286.	9.4	81
1069	Modeling car-following behavior on urban expressways in Shanghai: A naturalistic driving study. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 93, 425-445.	3.9	164
1070	Modeling and Analysis of Safety Messages Propagation in Platoon-Based Vehicular Cyber-Physical Systems. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-12.	0.8	5
1071	Modeling impacts of Cooperative Adaptive Cruise Control on mixed traffic flow in multi-lane freeway facilities. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 95, 261-279.	3.9	198
1072	A car-following model considering asymmetric driving behavior based on long short-term memory neural networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 95, 346-362.	3.9	144
1073	Cloud-Based Vehicle Velocity Prediction Based on Seasonal Autoregressive Integrated Moving Average Processes. , 2018, , .		3
1074	Bi-Modal Automated Highway Lanes: Control Strategy and Evaluation. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1075	Modeling and Evaluating Traffic Flow at Sag Curves When Imposing Variable Speed Limits on Connected Vehicles. Transportation Research Record, 2018, 2672, 193-202.	1.0	12
1076	A Lane-Changing Trajectory Planning and Assistant Decision-Making Method for Autonomous Vehicle. , 2018, , .		1
1077	A Platooning Strategy for Automated Vehicles in the Presence of Speed Limit Fluctuations. Transportation Research Record, 2018, 2672, 154-161.	1.0	11
1078	Modelling behavioural interactions of drivers' in mixed traffic conditions. Journal of Traffic and Transportation Engineering (English Edition), 2018, 5, 284-295.	2.0	12
1079	The Impacts of Connected Vehicles on Fuel Consumption, and Traffic Operation under Recurring and Nonrecurring Congestion. , 2018, , .		2
1080	Signal Timing Optimization with Connected Vehicle Technology: Platooning to Improve Computational Efficiency. Transportation Research Record, 2018, 2672, 81-92.	1.0	45
1081	Cooperative Intersection Control Based on Virtual Platooning. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1727-1740.	4.7	90
1082	Traffic flow-oriented design and analysis of an adaptive cruise control system. , 2018, , .		0
1083	Modified Car Following and Lane Changing Simulations Model for Autonomous Vehicle on Highway. , 0, , .		2
1084	A New Control Strategy Integrated into the Desired Safety Margin Car-Following Model Considering the Disturbance Level. Transportation Research Record, 2018, , 036119811878359.	1.0	0
1085	Stability Analysis of Connected and Automated Vehicles to Reduce Fuel Consumption and Emissions. Journal of Transportation Engineering Part A: Systems, 2018, 144, .	0.8	34
1086	Eco-driving advisory strategies for a platoon of mixed gasoline and electric vehicles in a connected vehicle system. Transportation Research, Part D: Transport and Environment, 2018, 63, 907-922.	3.2	81
1087	Microscopic and Mesoscopic Traffic Models. Advances in Industrial Control, 2018, , 113-143.	0.4	5
1088	Modelling of driver's steering behaviour control in emergency collision avoidance by using focused time delay neural network. , 2018, , .		1
1089	Extended Desired Safety Margin Car-Following Model That Considers Variation of Historical Perceived Risk and Acceptable Risk. Transportation Research Record, 2018, 2672, 86-97.	1.0	11
1090	Self-driven particle model for mixed traffic and other disordered flows. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 1-11.	1.2	42
1091	Understanding the Highway Safety Benefits of Different Approaches of Connected Vehicles in Reduced Visibility Conditions. Transportation Research Record, 2018, 2672, 91-101.	1.0	44
1092	MOHA: A Multi-Mode Hybrid Automaton Model for Learning Car-Following Behaviors. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 790-796.	4.7	18

#	ARTICLE	IF	CITATIONS
1093	A Novel Car-Following Control Model Combining Machine Learning and Kinematics Models for Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1991-2000.	4.7	74
1094	Influence of Driving Behaviors on the Stability in Car Following. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1081-1098.	4.7	16
1096	Heterogeneous Traffic Mixing Regular and Connected Vehicles: Modeling and Stabilization. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2060-2071.	4.7	118
1097	Use of Particle Filtering to Establish a Time-Varying Car-Following Model. International Journal of Intelligent Transportation Systems Research, 2019, 17, 49-60.	0.6	2
1098	Improving two-dimensional intelligent driver models to overcome overly high deceleration in car-following. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122313.	1.2	14
1099	Event-Driven Stochastic Eco-Driving Strategy at Signalized Intersections From Self-Driving Data. IEEE Transactions on Vehicular Technology, 2019, 68, 8557-8569.	3.9	29
1100	Integrated deep learning and stochastic car-following model for traffic dynamics on multi-lane freeways. Transportation Research Part C: Emerging Technologies, 2019, 106, 360-377.	3.9	44
1101	Intelligent Intersection Management Systems Considering Autonomous Vehicles: A Systematic Literature Review. IEEE Access, 2019, 7, 91946-91965.	2.6	95
1102	Platoon Cooperation in Cellular V2X Networks for 5G and Beyond. IEEE Transactions on Wireless Communications, 2019, 18, 3919-3932.	6.1	82
1103	An Ecological Adaptive Cruise Control for Mixed Traffic and Its Stabilization Effect. IEEE Access, 2019, 7, 81246-81256.	2.6	18
1104	Simulating Emergent Properties of Human Driving Behavior Using Multi-Agent Reward Augmented Imitation Learning. , 2019, , .		25
1105	A Fleet of Miniature Cars for Experiments in Cooperative Driving. , 2019, , .		29
1106	A discrete-event and hybrid traffic simulation model based on SimEvents for intelligent transportation system analysis in Mcity. Discrete Event Dynamic Systems: Theory and Applications, 2019, 29, 265-295.	0.6	10
1107	Cyberphysical risks of hacked internet-connected vehicles. Physical Review E, 2019, 100, 012316.	0.8	23
1108	Survey of Vehicular Network Simulators: A Temporal Approach. Lecture Notes in Business Information Processing, 2019, , 173-192.	0.8	4
1109	Integrated Spacing Policy Considering Micro- and Macroscopic Characteristics. Automotive Innovation, 2019, 2, 102-109.	3.1	4
1110	A deterministic approach for rapid identification of the critical links in networks. PLoS ONE, 2019, 14, e0219658.	1.1	4
1111	Simulation-Based Connected and Automated Vehicle Models on Highway Sections: A Literature Review. Journal of Advanced Transportation, 2019, 2019, 1-14.	0.9	57

#	ARTICLE	IF	CITATIONS
1112	A geographical segment architecture for connected vehicle networks. Vehicular Communications, 2019, 19, 100167.	2.7	0
1113	Statistical physics of synchronized traffic flow: Spatiotemporal competition between Sâ†'F and Sâ†'J instabilities. Physical Review E, 2019, 100, 012303.	0.8	19
1114	Cooperative weaving for connected and automated vehicles to reduce traffic oscillation. Transportmetrica A: Transport Science, 2022, 18, 125-143.	1.3	9
1115	Energy-Efficient Adaptive Cruise Control for Electric Connected and Autonomous Vehicles. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 42-55.	2.6	40
1116	Clusters of Driving Behavior From Observational Smartphone Data. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 171-180.	2.6	35
1117	Modelling car-following behaviour of connected vehicles with a focus on driver compliance. Transportation Research Part B: Methodological, 2019, 126, 256-279.	2.8	74
1118	Methods to Obtain Representative Car-Following Model Parameters from Trajectory-Level Data for Use in Microsimulation. Transportation Research Record, 2019, 2673, 62-73.	1.0	10
1119	Fitting Cornering Speed Models with One-Class Support Vector Machines. , 2019, , .		2
1120	A Concept of Multiple-lane Vehicle Grouping by Swarm Intelligence. , 2019, , .		6
1121	Global Optimality under Internet of Vehicles: Strategy to Improve Traffic Safety and Reduce Energy Dissipation. Sustainability, 2019, 11, 4541.	1.6	4
1122	Automated Vehicles in Hazardous Merging Traffic: A Chance-Constrained Approach. IFAC-PapersOnLine, 2019, 52, 218-223.	0.5	8
1123	The effectiveness of managed lane strategies for the near-term deployment of cooperative adaptive cruise control. Transportation Research, Part A: Policy and Practice, 2019, 129, 257-270.	2.0	16
1124	Motorway traffic flow modelling, estimation and control with vehicle automation and communication systems. Annual Reviews in Control, 2019, 48, 325-346.	4.4	31
1125	Modeling cyber-physical human systems via an interplay between reinforcement learning and game theory. Annual Reviews in Control, 2019, 48, 1-21.	4.4	28
1126	Modeling and assessing adaptive cruise control stability: experimental insights. , 2019, , .		1
1127	A Real-Time Server Based Approach for Safe and Timely Intersection Crossings. , 2019, , .		5
1128	On the role of speed adaptation and spacing indifference in traffic instability: Evidence from car-following experiments and its stochastic model. Transportation Research Part B: Methodological, 2019, 129, 334-350.	2.8	43
1129	A state-constrained optimal control based trajectory planning strategy for cooperative freeway mainline facilitating and on-ramp merging maneuvers under congested traffic. Transportation Research Part C: Emerging Technologies, 2019, 109, 321-342.	3.9	47

#	ARTICLE	IF	CITATIONS
1130	Analysis of Traffic Oscillation Mechanism and Harmonization Method of Speed Optimization at Signalized Intersection. , 2019, , .		0
1131	Automatic Longitudinal Regenerative Control of EVs Based on a Driver Characteristics-Oriented Deceleration Model. World Electric Vehicle Journal, 2019, 10, 58.	1.6	5
1132	Incorporating Uncertainty in Predicting Vehicle Maneuvers at Intersections With Complex Interactions. , 2019, , .		1
1133	Rear-End Crash Risk of CACC-Manual Driven Mixed Flow Considering the Degeneration of CACC Systems. IEEE Access, 2019, 7, 140421-140429.	2.6	19
1134	Infocommunication Measurements for Model Validation of the Follow-the-Leader Model. , 2019, , .		3
1135	The velocity regulation of power consumption with traffic lights for electric vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 2312-2322.	1.1	2
1136	Human-like car-following model for autonomous vehicles considering the cut-in behavior of other vehicles in mixed traffic. Accident Analysis and Prevention, 2019, 132, 105260.	3.0	39
1137	Joint Platoon Formation and Resource Allocation for Connected Vehicles by Cellular V2X Communication. , 2019, , .		3
1138	Optimizing large scale crowds in ralph breaks the internet. , 2019, , .		0
1139	Deep Q-Network Based Decision Making for Autonomous Driving. , 2019, , .		17
1140	Driving Intention Recognition and Lane Change Prediction on the Highway. , 2019, , .		23
1141	Calibration of Vehicle-Following Model Parameters Using Mixed Traffic Trajectory Data. Transportation in Developing Economies, 2019, 5, 1.	0.9	9
1142	Predictive energy management strategy for connected 48V hybrid electric vehicles. Energy, 2019, 187, 115952.	4.5	25
1143	An Extended Intelligent Driver Model to Describe the Impact of Cyberattacks on Connected Vehicles. , 2019, , .		1
1144	From Effects to Causes. , 2019, , .		3
1145	Generation of Scenes in Intersections for the Validation of Highly Automated Driving Functions. , 2019, , .		18
1146	Learning Risk Level Set Parameters from Data Sets for Safer Driving. , 2019, , .		10
1147	An Enhanced Driver Model for Evaluating Fuel Economy on Real-World Routes. IFAC-PapersOnLine, 2019, 52, 574-579.	0.5	14

#	ARTICLE	IF	CITATIONS
1148	Agent-based Mesoscopic Urban Traffic Simulation based on Multi-lane Cell Transmission Model. Procedia Computer Science, 2019, 151, 240-247.	1.2	6
1149	Stabilizing Mixed Vehicular Platoons with Connected Automated Vehicles: An H-infinity Approach. Transportation Research Procedia, 2019, 38, 441-461.	0.8	68
1150	A Behavioral Microeconomic Foundation for Car-following Models. Transportation Research Procedia, 2019, 38, 565-585.	0.8	0
1151	Continuum car-following model of capacity drop at sag and tunnel bottlenecks. Transportation Research Procedia, 2019, 38, 668-687.	0.8	2
1152	Optimization-based Tactical Behavior Planning for Autonomous Freeway Driving in Favor of the Traffic Flow. , 2019, , .		12
1153	Critical Factor Graph Situation Clusters for Accelerated Automotive Safety Validation. , 2019, , .		6
1154	A Study on Behavior of Autonomous Vehicles Cooperating with Manually-Driven Vehicles. , 2019, , .		7
1155	Simulation-Based Assessment of Multilane Separate Freeways at Toll Station Area: A Case Study from Huludao Toll Station on Shenshan Freeway. Sustainability, 2019, 11, 3057.	1.6	9
1156	Cooperative Lane-Change Maneuver for Multiple Automated Vehicles on a Highway. Automotive Innovation, 2019, 2, 157-168.	3.1	31
1157	Analysis of Malicious Information Propagation on a Platoon of Connected Vehicles. , 2019, , .		0
1158	A Model Based Motion Planning Framework for Automated Vehicles in Structured Environments. , 2019, , .		3
1159	Stability analysis and the fundamental diagram for mixed connected automated and human-driven vehicles. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 121931.	1.2	85
1160	Controllability Analysis and Optimal Controller Synthesis of Mixed Traffic Systems. , 2019, , .		8
1161	Vehicle Deceleration Prediction Model to Reflect Individual Driver Characteristics by Online Parameter Learning for Autonomous Regenerative Braking of Electric Vehicles. Sensors, 2019, 19, 4171.	2.1	9
1162	Identifying Recurring Bottlenecks on Urban Expressway Using a Fusion Method Based on Loop Detector Data. Mathematical Problems in Engineering, 2019, 2019, 1-9.	0.6	5
1163	Probabilistic Modeling of Vehicle Acceleration and State Propagation With Long Short-Term Memory Neural Networks. , 2019, , .		4
1164	Train delay propagation under random interference on high-speed rail network. International Journal of Modern Physics C, 2019, 30, 1950059.	0.8	1
1165	Design guidelines for turbulence in traffic on Dutch motorways. Accident Analysis and Prevention, 2019, 132, 105285.	3.0	3

#	ARTICLE	IF	CITATIONS
1166	Deadlock Prevention of Self-Driving Vehicles in a Network of Intersections. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4219-4233.	4.7	25
1167	Robust Super-Level Set Estimation Using Gaussian Processes. Lecture Notes in Computer Science, 2019, , 276-291.	1.0	6
1168	Optimal Variable Speed Limit Control in Connected Autonomous Vehicle Environment for Relieving Freeway Congestion. Journal of Transportation Engineering Part A: Systems, 2019, 145, .	0.8	25
1169	A Yielding Protocol that Uses Inter-Vehicle Communication to Improve the Traffic of Vehicles on a Low-Priority Road at an Unsignalized Intersection. Future Internet, 2019, 11, 110.	2.4	1
1170	A smart integrated environment for vehicular traffic simulation. International Journal of Communication Systems, 2019, 32, e4029.	1.6	3
1171	Countermeasures against Worm Spreading. ACM Computing Surveys, 2020, 52, 1-25.	16.1	17
1172	Statistical rigidity of vehicular streamsâ€™ theory versus reality. Journal of Physics Communications, 2019, 3, 035020.	0.5	3
1173	Mixed Traffic of Connected and Autonomous Vehicles and Human-Driven Vehicles: Traffic Evolution and Control using Spring-Mass-Damper System. Transportation Research Record, 2019, 2673, 504-515.	1.0	6
1174	Modeling Task Capability in Full Velocity Differential Model. , 2019, , .		1
1175	Veins: The Open Source Vehicular Network Simulation Framework. EAI/Springer Innovations in Communication and Computing, 2019, , 215-252.	0.9	97
1176	Time-delay feedback cooperative adaptive cruise control of connected vehicles by heterogeneous channel transmission. Measurement and Control, 2019, 52, 369-378.	0.9	11
1177	Traffic Prediction using Time-Space Diagram: A Convolutional Neural Network Approach. Transportation Research Record, 2019, 2673, 425-435.	1.0	27
1178	Simulation to scaled city. , 2019, , .		29
1179	Identifying Contributory Factors to Heterogeneity in Driving Behavior: Clustering and Classification Approach. Transportation Research Record, 2019, 2673, 343-353.	1.0	4
1180	The study of traffic flow model based on cellular automata and Naive Bayes. International Journal of Modern Physics C, 2019, 30, 1950034.	0.8	9
1181	Experimental Findings about Wide Moving Jams: Case Study in Beijing. Journal of Transportation Engineering Part A: Systems, 2019, 145, .	0.8	2
1182	Benefits and Risks of Truck Platooning on Freeway Operations Near Entrance Ramp. Transportation Research Record, 2019, 2673, 588-602.	1.0	40
1183	Capacity Analysis and Cooperative Lane Changing for Connected and Automated Vehicles: Entropy-Based Assessment Method. Transportation Research Record, 2019, 2673, 485-498.	1.0	15

#	ARTICLE	IF	CITATIONS
1184	Integrated Traffic Control for Freeways using Variable Speed Limits and Lane Change Control Actions. Transportation Research Record, 2019, 2673, 602-613.	1.0	12
1185	Impact of Autonomous-Vehicle-Only Lanes in Mixed Traffic Conditions. Transportation Research Record, 2019, 2673, 430-439.	1.0	32
1186	Estimating and Comparing Response Times in Traditional and Connected Environments. Transportation Research Record, 2019, 2673, 674-684.	1.0	34
1187	Congestion Control in V2V Safety Communication: Problem, Analysis, Approaches. Electronics (Switzerland), 2019, 8, 540.	1.8	50
1188	An improved inertia model to reproduce car-following instability. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 121087.	1.2	4
1189	Modelling and simulation of highly mixed traffic flow on two-lane two-way urban streets. Simulation Modelling Practice and Theory, 2019, 95, 16-35.	2.2	19
1190	Safe and Ecological Speed Profile Planning Algorithm for Autonomous Vehicles Using a Parametric Multiobjective Optimization Procedure. International Journal of Automotive Engineering, 2019, 10, 26-33.	0.3	4
1191	Freeway Traffic Management and Control. , 2019, , 167-193.		0
1192	Modeling Approaches to Traffic Breakdown. , 2019, , 195-283.		4
1193	Complex Dynamics of Bus, Tram, and Elevator Delays in Transportation Systems. , 2019, , 593-612.		0
1194	Cellular Automaton Models in the Framework of Three-Phase Traffic Theory. , 2019, , 313-342.		3
1195	Physics of Mind and Car-Following Problem. , 2019, , 559-592.		4
1196	Impacts of connected vehicles in a complex, congested urban freeway setting using multi-resolution modeling methods. International Journal of Transportation Science and Technology, 2019, 8, 25-34.	2.0	10
1197	Analysis of traffic flow with micro-cars with respect to safety and environmental impact. Transportation Research, Part A: Policy and Practice, 2019, 124, 217-241.	2.0	5
1198	Joint Optimization of Signal Phasing and Timing and Vehicle Speed Guidance in a Connected and Autonomous Vehicle Environment. Transportation Research Record, 2019, 2673, 70-83.	1.0	44
1199	Delayed-feedback control in a car-following model with the combination of V2V communication. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120912.	1.2	26
1200	An Interaction-Aware Lane Change Behavior Planner for Automated Vehicles on Highways Based on Polygon Clipping. IEEE Robotics and Automation Letters, 2019, 4, 1876-1883.	3.3	12
1201	Analytical solutions of pattern formation for a class of discrete Awâ€“Zhang traffic models. Communications in Nonlinear Science and Numerical Simulation, 2019, 73, 391-402.	1.7	2

#	ARTICLE	IF	CITATIONS
1202	Using advanced adaptive cruise control systems to reduce congestion at sags: An evaluation based on microscopic traffic simulation. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 102, 411-426.	3.9	39
1203	A Novel Spatio-Temporal Model for City-Scale Traffic Speed Prediction. <i>IEEE Access</i> , 2019, 7, 30050-30057.	2.6	26
1204	Combining driving simulator and physiological sensor data in a latent variable model to incorporate the effect of stress in car-following behaviour. <i>Analytic Methods in Accident Research</i> , 2019, 22, 100089.	4.7	30
1205	MFC Free-Flow Model: Introducing Vehicle Dynamics in Microsimulation. <i>Transportation Research Record</i> , 2019, 2673, 762-777.	1.0	33
1206	Review of trajectory optimisation for connected automated vehicles. <i>IET Intelligent Transport Systems</i> , 2019, 13, 580-586.	1.7	20
1207	Vehicular Networks Simulation With Realistic Physics. <i>IEEE Access</i> , 2019, 7, 44021-44036.	2.6	18
1208	A Generalised Method for Adaptive Longitudinal Control Using Reinforcement Learning. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 464-479.	0.5	1
1209	Data-driven human-like driving model using generative adversarial network. <i>Electronics Letters</i> , 2019, 55, 1288-1290.	0.5	1
1210	Work-in-Progress: Synchronous Intersection Management Protocol for Mixed Traffic Flows. , 2019, , .		7
1211	Preceding Vehicle State Prediction Using V2V Safety Messages. , 2019, , .		0
1212	The Car-Following Model Based on Fuzzy Inference Controller. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 646, 012007.	0.3	1
1213	On the Effectiveness of Hybridization Paired with Eco-Driving. , 2019, , .		7
1214	Laboratory Emulator Using Connected Scaled Cars to Study Traffic Waves. , 2019, , .		0
1215	Strengthening the Case for a Bayesian Approach to Car-following Model Calibration and Validation using Probabilistic Programming. , 2019, , .		4
1216	Evaluation of Vehicles' Platooning on Expressways Based on V2X. , 2019, , .		1
1217	Cooperative Strategical Decision and Trajectory Planning for Automated Vehicle in Urban Areas. , 2019, , .		1
1218	Modeling adaptive cruise control vehicles from experimental data: model comparison. , 2019, , .		22
1219	A behavior driven approach for sampling rare event situations for autonomous vehicles. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
1220	System-Level Optimization of Longitudinal Acceleration of Autonomous Vehicles in Mixed Traffic. , 2019, , .		4
1221	An Extended Stimulus-Response Car-Following Model Based on Safety Distance. , 2019, , .		0
1222	A Foresighted Driver Model derived from Integral Expected Risk. , 2019, , .		7
1223	A Vehicle Passing Model in Non-signalized Intersections based on Non-cooperative Game Theory. , 2019, , .		6
1224	Automated Longitudinal Control Based on Nonlinear Recursive B-Spline Approximation for Battery Electric Vehicles. World Electric Vehicle Journal, 2019, 10, 52.	1.6	0
1225	Anticipatory Vehicle Routing in Stochastic Networks Using Multi-Agent System. , 2019, , .		4
1226	Effects of ACC and CACC vehicles on traffic flow based on an improved variable time headway spacing strategy. IET Intelligent Transport Systems, 2019, 13, 1365-1373.	1.7	47
1227	Back to the Future: Predicting Traffic Shockwave Formation and Propagation Using a Convolutional Encoder-Decoder Network. , 2019, , .		3
1228	Cooperative Schedule-Driven Intersection Control with Connected and Autonomous Vehicles. , 2019, , .		8
1229	Grid-Based Micro Traffic Prediction using Fully Convolutional Networks. , 2019, , .		4
1230	A Congestion Diffusion Model with Influence Maximization for Traffic Bottlenecks Identification in Metrocity Scales. , 2019, , .		2
1231	Mixed-Autonomy Traffic Control with Proximal Policy Optimization. , 2019, , .		6
1232	Interval Prediction for Continuous-Time Systems with Parametric Uncertainties. , 2019, , .		8
1233	Some features of carâ€following behaviour in the vicinity of signalised intersection and how to model them. IET Intelligent Transport Systems, 2019, 13, 1686-1693.	1.7	20
1234	Economic comparison between vehicleâ€toâ€vehicle (V2V) and vehicleâ€toâ€infrastructure (V2I) at freeway onâ€ramps based on microscopic simulations. IET Intelligent Transport Systems, 2019, 13, 1726-1735.	1.7	15
1235	Feasibility-based and Personalized Crash Imminence Detection and Control in Braking Situations. , 2019, , .		1
1236	Influence of driver characteristics on emissions and fuel consumption. IET Intelligent Transport Systems, 2019, 13, 1770-1779.	1.7	6
1237	Autonomous Highway Driving using Deep Reinforcement Learning. , 2019, , .		68

#	ARTICLE	IF	CITATIONS
1238	Control of Mixed Platoons Consist of Automated and Manual Vehicles. , 2019, , .		9
1239	Learning Interaction-Aware Probabilistic Driver Behavior Models from Urban Scenarios. , 2019, , .		16
1240	A Traffic Flow Simulation Framework for Learning Driver Heterogeneity from Naturalistic Driving Data using Autoencoders. International Journal of Automotive Engineering, 2019, 10, 86-93.	0.3	3
1241	Methods for Improving the Accuracy of the Virtual Assessment of Autonomous Driving. , 2019, , .		7
1242	Towards Responsibility-Sensitive Safety of Automated Vehicles with Reachable Set Analysis. , 2019, , .		14
1243	Interactive Decision Making for Autonomous Vehicles in Dense Traffic. , 2019, , .		25
1244	Cooperation-Aware Reinforcement Learning for Merging in Dense Traffic. , 2019, , .		70
1245	Interpretable Approximation of a Deep Reinforcement Learning Agent as a Set of If-Then Rules. , 2019, , .		7
1246	Efficient Groupcast Schemes for Vehicle Platooning in V2V Network. IEEE Access, 2019, 7, 171333-171345.	2.6	7
1247	Car-following Model of Connected Cruise Control Vehicles to Mitigate Traffic Oscillations. Promet - Traffic - Traffico, 2019, 31, 603-610.	0.3	1
1248	Short-term Speed Forecasting Using Vehicle Wireless Communications. , 2019, , .		21
1249	Automated Lane Change Decision Making using Deep Reinforcement Learning in Dynamic and Uncertain Highway Environment. , 2019, , .		67
1250	An Interactive Lane Change Decision Making Model With Deep Reinforcement Learning. , 2019, , .		10
1251	Clustering Strategies of Cooperative Adaptive Cruise Control: Impacts on Human-Driven Vehicles. , 2019, , .		3
1252	Simulating Car-following Behavior for Heterogeneous Drivers: the Need for Driver Specific Model Parameters. , 2019, , .		1
1253	Traffic density on corridors subject to incidents: models for long-term congestion management. EURO Journal on Transportation and Logistics, 2019, 8, 795-831.	1.3	0
1254	Lightweight Simulation of Hybrid Aerial- and Ground-Based Vehicular Communication Networks. , 2019, , .		14
1255	Discretionary Lane Change Model for Intelligent Connected Vehicles on Expressway. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
1256	Advanced Adaptive Cruise Control Based on Operation Characteristic Estimation and Trajectory Prediction. Applied Sciences (Switzerland), 2019, 9, 4875.	1.3	12
1257	Increase in efficiency of car following parameters by calibration model. AIP Conference Proceedings, 2019, , .	0.3	0
1258	Calibrating Car-Following Models on Freeway Based on Naturalistic Driving Study. , 2019, , .		0
1259	The Optimal Coordination of Connected and Automated Vehicles at Roundabouts. , 2019, , .		13
1260	Adaptive Stress Testing with Reward Augmentation for Autonomous Vehicle Validatio. , 2019, , .		39
1261	Managing connected and automated vehicles in mixed traffic by human-leading platooning strategy: a simulation study. , 2019, , .		6
1262	Graph Neural Networks for Modelling Traffic Participant Interaction. , 2019, , .		63
1263	Predictive car-following scheme for improving traffic flows on urban road networks. Control Theory and Technology, 2019, 17, 325-334.	1.0	6
1264	Lane-Merging Using Policy-based Reinforcement Learning and Post-Optimization. , 2019, , .		12
1265	Simulation-Based Methods for Validation of Automated Driving: A Model-Based Analysis and an Overview about Methods for Implementation. , 2019, , .		7
1266	Fusion Modeling Method of Car-Following Characteristics. IEEE Access, 2019, 7, 162778-162785.	2.6	16
1267	Provably Safe and Smooth Lane Changes in Mixed Traffic. , 2019, , .		12
1268	Interpretable Modelling of Driving Behaviors in Interactive Driving Scenarios based on Cumulative Prospect Theory. , 2019, , .		20
1269	A Q-learning Foresighted Approach to Ego-efficient Lane Changes of Connected and Automated Vehicles on Freeways. , 2019, , .		10
1270	How to Measure Cooperation? Cost Functions for Cooperative Maneuver Planning on Highways. , 2019, , .		3
1271	Towards Courteous Behavior and Trajectory Planning for Automated Driving. , 2019, , .		6
1272	A Risk and Comfort Optimizing Motion Planning Scheme for Merging Scenarios. , 2019, , .		10
1273	Dynamic Cooperative Automated Lane-Change Maneuver Based on Minimum Safety Spacing Model. , 2019, , .		12

#	ARTICLE	IF	CITATIONS
1274	Control of Platooned Vehicles in Presence of Traffic Shock Waves. , 2019, , .		12
1275	Backpropagation through Simulation: A Training Method for Neural Network-based Car-following. , 2019, , .		0
1276	Cooperative Ramp Merging for Mixed Traffic with Connected Automated Vehicles and Human-Operated Vehicles. IFAC-PapersOnLine, 2019, 52, 76-81.	0.5	5
1277	Modeling Multi-Vehicle Interaction Scenarios Using Gaussian Random Field. , 2019, , .		14
1278	Spreading Patterns of Malicious Information on Single-lane Platooned Traffic in a Connected Environment. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 248-265.	6.3	16
1279	Stability of CACC-manual heterogeneous vehicular flow with partial CACC performance degrading. Transportmetrica B, 2019, 7, 788-813.	1.4	45
1280	Adaptive driver modelling in ADAS to improve user acceptance: A study using naturalistic data. Safety Science, 2019, 119, 76-83.	2.6	35
1281	Connected Vehicles Based Traffic Signal Timing Optimization. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4354-4366.	4.7	58
1282	A copula-based estimation of distribution algorithm for calibration of microscopic traffic models. Transportation Research Part C: Emerging Technologies, 2019, 98, 449-470.	3.9	19
1283	Holonification model for a multilevel agent-based system. Personal and Ubiquitous Computing, 2019, 23, 633-651.	1.9	4
1284	Parallel Closed-Loop Connected Vehicle Simulator for Large-Scale Transportation Network Management: Challenges, Issues, and Solution Approaches. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 62-77.	2.6	10
1285	Coordination of Connected Vehicles on Merging Roads Using Pseudo-Perturbation-Based Broadcast Control. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3496-3512.	4.7	22
1286	Is more always better? The impact of vehicular trajectory completeness on car-following model calibration and validation. Transportation Research Part B: Methodological, 2019, 120, 49-75.	2.8	60
1287	Impact of Connected and Automated Vehicles on Passenger Comfort of Traffic Flow with Vehicle-to-vehicle Communications. KSCE Journal of Civil Engineering, 2019, 23, 821-832.	0.9	21
1288	Mycofluidics: The Fluid Mechanics of Fungal Adaptation. Annual Review of Fluid Mechanics, 2019, 51, 511-538.	10.8	13
1289	A Predictive Perception Model and Control Strategy for Collision-Free Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4078-4091.	4.7	27
1290	Efficient calibration of microscopic car-following models for large-scale stochastic network simulators. Transportation Research Part B: Methodological, 2019, 119, 156-173.	2.8	42
1291	Aware of Scene Vehicles' Probabilistic Modeling of Car-Following Behaviors in Real-World Traffic. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2136-2148.	4.7	14

#	ARTICLE	IF	CITATIONS
1292	Traffic load patterning on long span bridges: A rational approach. <i>Structural Safety</i> , 2019, 77, 18-29.	2.8	12
1293	Traffic Simulation and Visual Verification in Smog. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2019, 10, 1-17.	2.9	126
1294	Joint optimization of vehicle trajectories and intersection controllers with connected automated vehicles: Combined dynamic programming and shooting heuristic approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 98, 54-72.	3.9	159
1295	Long memory is important: A test study on deep-learning based car-following model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 786-795.	1.2	61
1296	A geometric Brownian motion car-following model: towards a better understanding of capacity drop. <i>Transportmetrica B</i> , 2019, 7, 915-927.	1.4	19
1297	A cellular automaton model reproducing realistic propagation speed of downstream front of the moving synchronized pattern. <i>Transportmetrica B</i> , 2019, 7, 295-310.	1.4	8
1298	Multi-Vehicle Tracking Using Microscopic Traffic Models. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 149-161.	4.7	25
1299	Can we trust the speed-spacing relationship estimated by car-following model from non-stationary trajectory data?. <i>Transportmetrica A: Transport Science</i> , 2019, 15, 263-284.	1.3	6
1300	A Deep Learning-Based Framework for Intersectional Traffic Simulation and Editing. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2020, 26, 2335-2348.	2.9	10
1301	Variable Speed Release (VSR): Speed Control to Increase Bottleneck Capacity. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 298-307.	4.7	15
1302	Development and Evaluation of an Adaptive Traffic Signal Control Scheme Under a Mixed-Automated Traffic Scenario. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 590-602.	4.7	48
1303	V2V-Based Memetic Optimization for Improving Traffic Efficiency on Multi-Lane Roads. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2020, 12, 35-46.	2.6	2
1304	Continuum car-following model of capacity drop at sag and tunnel bottlenecks. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 113, 260-276.	3.9	16
1305	Modeling of individual differences in driver behavior. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 705-718.	3.3	11
1306	A novel vehicle dynamics and human behavior car-following model: Model development and preliminary testing. <i>International Journal of Transportation Science and Technology</i> , 2020, 9, 14-28.	2.0	28
1307	A behavioral microeconomic foundation for car-following models. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 113, 228-244.	3.9	13
1308	Cooperative Eco-Driving at Signalized Intersections in a Partially Connected and Automated Vehicle Environment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 2029-2038.	4.7	101
1309	A Review of Sensing and Communication, Human Factors, and Controller Aspects for Information-Aware Connected and Automated Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 7-29.	4.7	69

#	ARTICLE	IF	CITATIONS
1310	A personalized traffic simulation integrating emotion using a driving simulator. <i>Visual Computer</i> , 2020, 36, 1203-1218.	2.5	6
1311	Location-based analysis of car-following behavior during braking using naturalistic driving data. <i>Canadian Journal of Civil Engineering</i> , 2020, 47, 498-505.	0.7	6
1312	Development of an Efficient Driving Strategy for Connected and Automated Vehicles at Signalized Intersections: A Reinforcement Learning Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 433-443.	4.7	169
1313	Cooperative Lane Changing Strategies to Improve Traffic Operation and Safety Nearby Freeway Off-Ramps in a Connected and Automated Vehicles Environment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 4605-4614.	4.7	76
1314	Trajectory Planning Method for Mixed Vehicles Considering Traffic Stability and Fuel Consumption at the Signalized Intersection. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-10.	0.9	9
1315	Theoretical conditions for restricting secondary jams in jam-absorption driving scenarios. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 542, 123393.	1.2	6
1316	Simulating bicycle traffic by the intelligent-driver model-Reproducing the traffic-wave characteristics observed in a bicycle-following experiment. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2020, 7, 19-29.	2.0	3
1317	Early Detection of a Traffic Flow Breakdown in the Freeway Based on Dynamical Network Markers. <i>International Journal of Intelligent Transportation Systems Research</i> , 2020, 18, 422-435.	0.6	2
1318	Impact of next-nearest leading vehicles on followers' driving behaviours and traffic stability in mixed traffic. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2020, 7, 42-51.	2.0	6
1319	Evaluating performance of selected vehicle following models using trajectory data under mixed traffic conditions. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020, 24, 617-634.	2.6	31
1320	Response Time and Time Headway of an Adaptive Cruise Control. An Empirical Characterization and Potential Impacts on Road Capacity. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 1677-1686.	4.7	64
1321	Microscopic modelling of area-based heterogeneous traffic flow: Area selection and vehicle movement. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 111, 373-396.	3.9	12
1322	Optimal jam-absorption driving strategy for mitigating rear-end collision risks with oscillations on freeway straight segments. <i>Accident Analysis and Prevention</i> , 2020, 135, 105367.	3.0	20
1323	A generic multi-level framework for microscopic traffic simulation with automated vehicles in mixed traffic. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 110, 291-311.	3.9	36
1324	The Impact of Flexible Platoon Formation Operations. <i>IEEE Transactions on Intelligent Vehicles</i> , 2020, 5, 229-239.	9.4	33
1325	Critical Assessment of Microscopic Simulation Models for Simulating Turbulence around Motorway Ramps. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020, 146, 04019066.	0.8	4
1326	Traffic Flow Impacts of Converting an HOV Lane Into a Dedicated CACC Lane on a Freeway Corridor. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2020, 12, 60-73.	2.6	26
1327	A Game Theoretic Model Predictive Controller With Aggressiveness Estimation for Mandatory Lane Change. <i>IEEE Transactions on Intelligent Vehicles</i> , 2020, 5, 75-89.	9.4	36

#	ARTICLE	IF	CITATIONS
1328	Combining Planning and Deep Reinforcement Learning in Tactical Decision Making for Autonomous Driving. IEEE Transactions on Intelligent Vehicles, 2020, 5, 294-305.	9.4	148
1329	Implicit Personalization in Driving Assistance: State-of-the-Art and Open Issues. IEEE Transactions on Intelligent Vehicles, 2020, 5, 397-413.	9.4	31
1330	Random Deviations Improve Micro-“Macro Predictions: An Empirical Test. Sociological Methods and Research, 2020, 49, 387-417.	4.3	6
1331	Optimised Traffic Light Management Through Reinforcement Learning: Traffic State Agnostic Agent vs. Holistic Agent With Current V2I Traffic State Knowledge. IEEE Open Journal of Intelligent Transportation Systems, 2020, 1, 201-216.	2.6	10
1332	Efficient Uncertainty-aware Decision-making for Automated Driving Using Guided Branching. , 2020, , .		21
1333	Velocity and energy trajectory prediction of electrified powertrain for look ahead control. Applied Energy, 2020, 279, 115903.	5.1	16
1334	Survey of Deep Reinforcement Learning for Motion Planning of Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 740-759.	4.7	193
1335	Cooperative decision-making for mixed traffic: A ramp merging example. Transportation Research Part C: Emerging Technologies, 2020, 120, 102764.	3.9	57
1336	HoanKiemAir: simulating impacts of urban management practices on traffic and air pollution using a tangible agent-based model. , 2020, , .		1
1337	Deep Reinforcement Learning for Intelligent Transportation Systems: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11-32.	4.7	196
1338	Integrating the Intelligent Driver Model With the Action Point Paradigm to Enhance the Performance of Autonomous Driving. IEEE Access, 2020, 8, 106284-106295.	2.6	6
1339	Car-Following Model Based on Deep Learning and Markov Theory. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	21
1340	Introducing Electrified Vehicle Dynamics in Traffic Simulation. Transportation Research Record, 2020, 2674, 776-791.	1.0	11
1341	Predictive Kinetic Energy Management for Large Electric Vehicles using Radar Information. , 2020, , .		2
1342	An Asymmetric-Anticipation Car-following Model in the Era of Autonomous-Connected and Human-Driving Vehicles. Journal of Advanced Transportation, 2020, 2020, 1-23.	0.9	9
1343	A two-level probabilistic approach for validation of stochastic traffic simulations: impact of driversâ€™ heterogeneity models. Transportation Research Part C: Emerging Technologies, 2020, 121, 102843.	3.9	27
1344	A sequence to sequence learning based car-following model for multi-step predictions considering reaction delay. Transportation Research Part C: Emerging Technologies, 2020, 120, 102785.	3.9	53
1345	Stability and safety evaluation of mixed traffic flow with connected automated vehicles on expressways. Journal of Safety Research, 2020, 75, 262-274.	1.7	66

#	ARTICLE	IF	CITATIONS
1346	Enhanced intelligent driver model for two-dimensional motion planning in mixed traffic. Transportation Research Part C: Emerging Technologies, 2020, 120, 102780.	3.9	45
1347	A study of relationships in traffic oscillation features based on field experiments. Transportation Research, Part A: Policy and Practice, 2020, 141, 339-355.	2.0	10
1348	Expansion of the Fundamental Diagram from a Microscopic Multilane Modeling Framework of Mixed Traffic. Journal of Advanced Transportation, 2020, 2020, 1-15.	0.9	2
1349	Connected Vehicle-Based Traffic Signal Coordination. Engineering, 2020, 6, 1463-1472.	3.2	10
1350	Trip Cost Estimation of Connected Autonomous Vehicle Mixed Traffic Flow in a Two-Route Traffic Network. Journal of Advanced Transportation, 2020, 2020, 1-10.	0.9	3
1351	Cooperation-Aware Lane Change Maneuver in Dense Traffic based on Model Predictive Control with Recurrent Neural Network. , 2020, , .		38
1352	A generic simulation platform for cooperative adaptive cruise control under partially connected and automated environment. Transportation Research Part C: Emerging Technologies, 2020, 121, 102874.	3.9	38
1353	Impact of Stochasticity on Traffic Flow Dynamics in Macroscopic Continuum Models. Transportation Research Record, 2020, 2674, 690-704.	1.0	8
1354	Stability Analysis of a Large-scale Single-Lane Connected Vehicle Model with Multiple Sensing, Communication, and Human Reaction Delays. , 2020, , .		3
1355	Vehicle Re-Identification With Image Processing and Car-Following Model Using Multiple Surveillance Cameras From Urban Arterials. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7619-7630.	4.7	14
1356	Are Commercially Implemented Adaptive Cruise Control Systems String Stable?. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6992-7003.	4.7	117
1357	On Urban Traffic Flow Benefits of Connected and Automated Vehicles. , 2020, , .		8
1358	Traffic Flow Breakdown Prediction using Machine Learning Approaches. Transportation Research Record, 2020, 2674, 560-570.	1.0	9
1359	Optimizing Gap Tracking Subject to Dynamic Losses via Connected and Anticipative MPC in Truck Platooning. , 2020, , .		9
1360	Cognition-Driven Traffic Simulation for Unstructured Road Networks. Journal of Computer Science and Technology, 2020, 35, 875-888.	0.9	8
1361	Investigating the Efficiency and Safety of Signalized Intersections Under Mixed Flow Conditions of Autonomous and Human-Driven Vehicles. Arabian Journal for Science and Engineering, 2020, 45, 8607-8618.	1.7	10
1362	Low Latency Trajectory Predictions for Interaction Aware Highway Driving. IEEE Robotics and Automation Letters, 2020, 5, 5456-5463.	3.3	1
1363	Car-Following Characteristics of Adaptive Cruise Control from Empirical Data. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	9

#	ARTICLE	IF	CITATIONS
1364	A generic multi-scale framework for microscopic traffic simulation part II – Anticipation Reliance as compensation mechanism for potential task overload. Transportation Research Part B: Methodological, 2020, 140, 42-63.	2.8	13
1365	Connected Automated Driving: A Model-Based Approach to the Analysis of Basic Awareness Services. , 2020, , .		1
1366	Modeling and Simulation of Mixed Vehicles and Bicycles Flow on Urban Road Segments. , 2020, , .		0
1367	Toll Plaza Lane Choice and Lane Configuration Strategy for Autonomous Vehicles in Mixed Traffic. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	4
1368	The relationship between car following string instability and traffic oscillations in finite-sized platoons and its use in easing congestion via connected and automated vehicles with IDM based controller. Transportation Research Part B: Methodological, 2020, 142, 58-83.	2.8	45
1369	Rear-end collision warning of connected automated vehicles based on a novel stochastic local multivehicle optimal velocity model. Accident Analysis and Prevention, 2020, 148, 105800.	3.0	28
1370	A multi-agent deep reinforcement learning framework for automated driving on highways. , 2020, , .		1
1371	Car-following model for autonomous vehicles and mixed traffic flow analysis based on discrete following interval. Physica A: Statistical Mechanics and Its Applications, 2020, 560, 125246.	1.2	27
1372	Characterisation of the impacts of autonomous driving on highway capacity in a mixed traffic environment: an agent-based approach. IET Intelligent Transport Systems, 2020, 14, 1132-1141.	1.7	13
1373	A Synchronization Approach for Achieving Cooperative Adaptive Cruise Control Based Non-Stop Intersection Passing. , 2020, , .		6
1374	Driving in Dense Traffic with Model-Free Reinforcement Learning. , 2020, , .		44
1375	Decision-Making Strategy on Highway for Autonomous Vehicles Using Deep Reinforcement Learning. IEEE Access, 2020, 8, 177804-177814.	2.6	45
1376	Proximal Policy Optimization Through a Deep Reinforcement Learning Framework for Multiple Autonomous Vehicles at a Non-Signalized Intersection. Applied Sciences (Switzerland), 2020, 10, 5722.	1.3	20
1377	Safe and Ecological Speed Control for Heavy-Duty Vehicles on Long – Steep Downhill and Sharp-Curved Roads. Sustainability, 2020, 12, 6813.	1.6	5
1378	Online Parameter Estimation for Human Driver Behavior Prediction. , 2020, , .		20
1379	Stability of a Large-Scale Connected Vehicle Network in Ring Configuration and With Multiple Delays. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 663-667.	4.7	2
1380	A Rule Based Control Algorithm for On-Ramp Merge with Connected and Automated Vehicles. , 2020, , .		3
1381	Car-Following Model of Connected Vehicles with an Early Warning System Based on LTE-V Vehicular Communication. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
1382	Impact of the Time-Variant Response Time of Driver on Traffic Flow Oscillations and Car-Following Safety. , 2020, , .		1
1383	Desired Safety Margin Model-Based Exploration of Driver Style Effect on Heterogeneous Traffic Flow. , 2020, , .		0
1384	Bifurcation Control in an Optimal Velocity Model via Double Time-Delay Feedback Method. IEEE Access, 2020, 8, 216162-216175.	2.6	12
1385	Calibrating heterogeneous car-following models for human drivers in oscillatory traffic conditions. , 2020, , .		3
1386	Energetic Impacts Evaluation of Eco-Driving on Mixed Traffic With Driver Behavioral Diversity. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3406-3417.	4.7	16
1387	How do drivers respond to driving risk during car-following? Risk-response driver model and its application in human-like longitudinal control. Accident Analysis and Prevention, 2020, 148, 105783.	3.0	20
1388	Traffic Parameters Survey Methodology for Traffic Modelling of Intersections: Case of Study Lima, Peru. , 2020, , .		0
1389	Platoon Trajectories Generation: A Unidirectional Interconnected LSTM-Based Car-Following Model. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2071-2081.	4.7	22
1390	Deep Learning Based Proactive Multi-Objective Eco-Routing Strategies for Connected and Automated Vehicles. Frontiers in Future Transportation, 2020, 1, .	1.3	0
1391	Greenhouse gas emission prediction on road network using deep sequence learning. Transportation Research, Part D: Transport and Environment, 2020, 88, 102593.	3.2	18
1392	GOF-SLFN- An Intelligent Attack Detection System against Denial of Service (DoS) attacks based on Glow Worm Swarm optimized Single Layer Feed Forward Networks for vehicular Cyber Physical Systems (VCPS). IOP Conference Series: Materials Science and Engineering, 2020, 925, 012001.	0.3	0
1393	How Does Heterogeneity Affect Freeway Safety? A Simulation-Based Exploration Considering Sustainable Intelligent Connected Vehicles. Sustainability, 2020, 12, 8941.	1.6	8
1394	A Coordinated Spillback-Aware Traffic Optimization and Recovery at Multiple Intersections. , 2020, , .		4
1395	Research on Traffic Characteristics of Signal Intersections with Mixed Traffic Flow. , 2020, , .		0
1396	Automated Emergency Vehicle Control Strategy Based on Automated Driving Controls. Journal of Advanced Transportation, 2020, 2020, 1-11.	0.9	12
1397	Managing Connected Automated Vehicles in Mixed Traffic Considering Communication Reliability: a Platooning Strategy. Transportation Research Procedia, 2020, 47, 43-50.	0.8	8
1398	Traffic Flow on a Ring With a Single Autonomous Vehicle: An Interconnected Stability Perspective. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4998-5008.	4.7	47
1399	Visualization Analysis of Intelligent Vehicles Research Field Based on Mapping Knowledge Domain. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5721-5736.	4.7	34

#	ARTICLE	IF	CITATIONS
1400	Mitigating the impact of light rail on urban traffic networks using mixed-integer linear programming. IET Intelligent Transport Systems, 2020, 14, 523-533.	1.7	2
1401	Understanding the single-file dynamics of bicycle traffic from the perspective of car-following models. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 053402.	0.9	3
1402	Investigating the long- and short-term driving characteristics and incorporating them into car-following models. Transportation Research Part C: Emerging Technologies, 2020, 117, 102698.	3.9	31
1403	A distributionally robust stochastic optimization-based model predictive control with distributionally robust chance constraints for cooperative adaptive cruise control under uncertain traffic conditions. Transportation Research Part B: Methodological, 2020, 138, 144-178.	2.8	27
1404	Modelling heterogeneous traffic dynamics by considering the influence of V2V safety messages. IET Intelligent Transport Systems, 2020, 14, 220-227.	1.7	3
1405	Modeling Lane-Changing Behaviors in Merging Areas of Urban Expressways in Nanjing, China. Transportation Research Record, 2020, 2674, 480-493.	1.0	4
1406	Cooperative merging control via trajectory optimization in mixed vehicular traffic. Transportation Research Part C: Emerging Technologies, 2020, 116, 102663.	3.9	82
1407	Human motion trajectory prediction: a survey. International Journal of Robotics Research, 2020, 39, 895-935.	5.8	381
1408	Spatiotemporal trajectory characteristic analysis for traffic state transition prediction near expressway merge bottleneck. Transportation Research Part C: Emerging Technologies, 2020, 117, 102682.	3.9	31
1409	Simulation Strategies for Mixed Traffic Conditions: A Review of Car-Following Models and Simulation Frameworks. Journal of Engineering (United States), 2020, 2020, 1-22.	0.5	29
1410	A data-driven operational integrated driving behavioral model on highways. Neural Computing and Applications, 2020, 32, 13017-13033.	3.2	5
1411	Field experiments on longitudinal characteristics of human driver behavior following an autonomous vehicle. Transportation Research Part C: Emerging Technologies, 2020, 114, 205-224.	3.9	76
1412	Longitudinal Influence of Autonomous Vehicles and Vehicular Communication on Post-Accident Traffic. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 164-178.	2.6	4
1413	A two-dimensional car-following model for two-dimensional traffic flow problems. Transportation Research Part C: Emerging Technologies, 2020, 114, 504-516.	3.9	33
1414	Exploring the impact of connected and autonomous vehicles on freeway capacity using a revised Intelligent Driver Model. Transportation Planning and Technology, 2020, 43, 279-292.	0.9	41
1415	A Cooperative Lane Change Model for Connected and Automated Vehicles. IEEE Access, 2020, 8, 54940-54951.	2.6	34
1416	Modeling the fundamental diagram of mixed human-driven and connected automated vehicles. Transportation Research Part C: Emerging Technologies, 2020, 115, 102614.	3.9	66
1417	A Heterogeneous Network Modeling Method Based on Public Goods Game Theory to Explore Cooperative Behavior in VANETs. Sensors, 2020, 20, 1802.	2.1	1

#	ARTICLE	IF	CITATIONS
1418	A driver behavior assessment and recommendation system for connected vehicles to produce safer driving environments through a "follow the leader" approach. Accident Analysis and Prevention, 2020, 139, 105460.	3.0	23
1419	Studying Car-Following Dynamics on the Basis of the HighD Dataset. Transportation Research Record, 2020, 2674, 813-822.	1.0	19
1420	Safe, efficient, and comfortable velocity control based on reinforcement learning for autonomous driving. Transportation Research Part C: Emerging Technologies, 2020, 117, 102662.	3.9	173
1421	Limitations of current traffic models and strategies to address them. Simulation Modelling Practice and Theory, 2020, 104, 102137.	2.2	7
1422	Human Car-Following Behavior: Parametric, Machine-Learning, and Deep-Learning Perspectives. Advances in Intelligent Systems and Computing, 2020, , 40-48.	0.5	0
1423	Controllability Analysis and Optimal Control of Mixed Traffic Flow With Human-Driven and Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7445-7459.	4.7	65
1424	Model-Based String Stability of Adaptive Cruise Control Systems Using Field Data. IEEE Transactions on Intelligent Vehicles, 2020, 5, 90-99.	9.4	84
1425	Safety Evaluation for Connected and Autonomous Vehicles'™ Exclusive Lanes considering Penetrate Ratios and Impact of Trucks Using Surrogate Safety Measures. Journal of Advanced Transportation, 2020, 2020, 1-16.	0.9	14
1426	Simulated effectiveness of a car evacuation from a tsunami. International Journal of Disaster Risk Reduction, 2020, 47, 101532.	1.8	32
1427	Modeling the Impact of Downstream Conditions on Discharging Behavior of Vehicles at Signalized Intersections Using Micro-Simulation. Arabian Journal for Science and Engineering, 2020, 45, 4187-4202.	1.7	8
1428	Cooperative driving strategies of connected vehicles for stabilizing traffic flow. Transportmetrica B, 2020, 8, 166-181.	1.4	10
1429	Delay-Optimized V2V-Based Computation Offloading in Urban Vehicular Edge Computing and Networks. IEEE Access, 2020, 8, 18863-18873.	2.6	64
1430	A car-following model to assess the impact of V2V messages on traffic dynamics. Transportmetrica B, 2020, 8, 150-165.	1.4	17
1431	Optimizing the safety-efficiency balancing of automated vehicle car-following. Accident Analysis and Prevention, 2020, 136, 105435.	3.0	13
1432	Modeling and stability analysis of mixed traffic with conventional and connected automated vehicles from cyber physical perspective. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124217.	1.2	51
1433	Car-following characteristics of various vehicle types in respective driving phases. Transportmetrica B, 2020, 8, 22-48.	1.4	7
1434	Stability Analysis of Stochastic Linear Car-Following Models. Transportation Science, 2020, 54, 274-297.	2.6	38
1435	Vehicle Deceleration Prediction Based on Deep Neural Network at Braking Conditions. International Journal of Automotive Technology, 2020, 21, 91-102.	0.7	10

#	ARTICLE	IF	CITATIONS
1436	Time Estimation and Hotspot Detection in the Evacuation of a Complex of Buildings: A Mesoscopic Approach and Case Study. IEEE Transactions on Engineering Management, 2020, 67, 641-658.	2.4	3
1437	Influence of CAV clustering strategies on mixed traffic flow characteristics: An analysis of vehicle trajectory data. Transportation Research Part C: Emerging Technologies, 2020, 115, 102611.	3.9	49
1438	Modeling and analyzing cyberattack effects on connected automated vehicular platoons. Transportation Research Part C: Emerging Technologies, 2020, 115, 102625.	3.9	69
1439	Microscopic traffic simulation models for connected and automated vehicles (CAVs) â€œstate-of-the-art. Procedia Computer Science, 2020, 170, 474-481.	1.2	18
1440	Reducing gasoline consumption in mixed connected automated vehicles environment: A joint optimization framework for traffic signals and vehicle trajectory. Journal of Cleaner Production, 2020, 265, 121836.	4.6	42
1441	Algorithm for Improving of Geo- Location Accuracy in Distributed Monitoring Mobile Systems of Traffic Flow Characteristics. , 2020, , .		0
1442	Obstacle Avoidance Model for UAVs with Joint Target based on Multi-Strategies and Follow-up Vector Field. Procedia Computer Science, 2020, 170, 257-264.	1.2	7
1443	Longitudinal emissions evaluation of mixed (cooperative) adaptive cruise control traffic flow and its relationship with stability. Journal of the Air and Waste Management Association, 2020, 70, 670-686.	0.9	7
1444	A new higher-order viscous continuum traffic flow model considering driver memory in the era of autonomous and connected vehicles. Physica A: Statistical Mechanics and Its Applications, 2020, 547, 123829.	1.2	22
1445	Characterisation of motorway driving style using naturalistic driving data. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 69, 72-79.	1.8	21
1446	Real time adaptive cruise control strategy for motorways. Transportation Research Part C: Emerging Technologies, 2020, 115, 102617.	3.9	18
1447	Right-of-way reallocation for mixed flow of autonomous vehicles and human driven vehicles. Transportation Research Part C: Emerging Technologies, 2020, 115, 102630.	3.9	42
1448	Incorporating Driver Preferences Into Eco-Driving Assistance Systems Using Optimal Control. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2913-2922.	4.7	14
1449	Application of machine learning algorithms in lane-changing model for intelligent vehicles exiting to off-ramp. Transportmetrica A: Transport Science, 2021, 17, 124-150.	1.3	33
1450	A Hybrid Submicroscopic-Microscopic Traffic Flow Simulation Framework. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3430-3443.	4.7	23
1451	Modeling and field experiments on autonomous vehicle lane changing with surrounding humanâ€driven vehicles. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 877-889.	6.3	29
1452	Highway Exiting Planner for Automated Vehicles Using Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 990-1000.	4.7	30
1453	Analytical framework of string stability of connected and autonomous platoons with electronic throttle angle feedback. Transportmetrica A: Transport Science, 2021, 17, 59-80.	1.3	31

#	ARTICLE	IF	CITATIONS
1454	A bilevel programming model for autonomous intersection control and trajectory planning. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 34-58.	1.3	28
1455	Improving efficiency at highway T-junctions with connected and automated vehicles. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 107-123.	1.3	9
1456	Assessing environmental impacts of ad-hoc truck platooning on multilane freeways. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2021, 25, 281-292.	2.6	18
1457	Dynamic performance and safety analysis of car-following models considering collision sensitivity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 564, 125504.	1.2	23
1458	Modeling and Control Using Connected and Automated Vehicles with Chained Asymmetric Driver Behavior under Stop-and-Go Oscillations. <i>Transportation Research Record</i> , 2021, 2675, 342-355.	1.0	2
1459	From Driving Simulator Experiments to Field-Traffic Application: Improving the Transferability of Car-Following Models. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021, 147, .	0.8	2
1460	Filtering Distributed Information to Build a Plausible Scene for Autonomous and Connected Vehicles. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 89-101.	0.5	1
1461	On a general class of solutions for an optimal velocity model on an infinite lane. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 258-277.	1.3	5
1462	Linear stability analysis of heterogeneous traffic flow considering degradations of connected automated vehicles and reaction time. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 561, 125218.	1.2	100
1463	A motion planner enabling cooperative lane changing: Reducing congestion under partially connected and automated environment. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2021, 25, 469-481.	2.6	8
1464	Calibrating Microscopic Car-Following Models for Adaptive Cruise Control Vehicles: Multiobjective Approach. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021, 147, .	0.8	14
1465	Car following behavioral stochasticity analysis and modeling: Perspective from wave travel time. <i>Transportation Research Part B: Methodological</i> , 2021, 143, 160-176.	2.8	30
1466	Fuzzy-tuned model predictive control for dynamic eco-driving on hilly roads. <i>Applied Soft Computing Journal</i> , 2021, 99, 106875.	4.1	12
1467	Eco-driving control for connected and automated electric vehicles at signalized intersections with wireless charging. <i>Applied Energy</i> , 2021, 282, 116215.	5.1	44
1468	Analytical analysis of the effect of maximum platoon size of connected and automated vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 122, 102882.	3.9	76
1469	Utilizing VANETs as supplementary communication infrastructure for delay-tolerant bulky data transportation. <i>Ad Hoc Networks</i> , 2021, 112, 102394.	3.4	3
1470	Impacts of commercially available adaptive cruise control vehicles on highway stability and throughput. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 122, 102897.	3.9	48
1471	Designing continuous delay feedback control for lattice hydrodynamic model under cyber-attacks and connected vehicle environment. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 95, 105667.	1.7	55

#	ARTICLE	IF	CITATIONS
1472	Dynamic traffic bottlenecks identification based on congestion diffusion model by influence maximization in metro city scales. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e5790.	1.4	4
1473	The Impact of Spatial Distribution of Heterogeneous Vehicles on Performance of Mixed Platoon: A Cyber-Physical Perspective. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 303-315.	0.9	6
1474	A Queueing Model and Analysis for Autonomous Vehicles on Highways. <i>Management Science</i> , 2021, 67, 2904-2923.	2.4	22
1475	Linked vehicle model: A simple car-following model for automated vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021, 235, 854-870.	1.1	4
1476	Hopf bifurcation structure of a generic car-following model with multiple time delays. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 878-896.	1.3	9
1477	A Modified Full Velocity Difference Model with Acceleration and Deceleration Confinement: Calibrations, Validations, and Scenario Analyses. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2021, 13, 222-235.	2.6	19
1478	Extraction and analysis of microscopic traffic data in disordered heterogeneous traffic conditions. <i>Transportation Letters</i> , 2021, 13, 1-20.	1.8	12
1479	Confidence-Aware Reinforcement Learning for Self-Driving Cars. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 7419-7430.	4.7	26
1480	Traffic Flow Simulators with Connected and Autonomous Vehicles: A Short Review. <i>Ecoproduction</i> , 2021, , 15-30.	0.8	9
1481	Traffic Flow Characteristics and Lane Use Strategies for Connected and Automated Vehicles in Mixed Traffic Conditions. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-19.	0.9	13
1482	Traffic Dynamics at Intersections Subject to Random Misperception. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 4501-4511.	4.7	4
1483	Online and Predictive Warning System for Forced Lane Changes Using Risk Maps. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022, 7, 616-626.	9.4	7
1484	Imitation of Real Lane-Change Decisions Using Reinforcement Learning. <i>IFAC-PapersOnLine</i> , 2021, 54, 203-209.	0.5	5
1485	ATAC-Based Car-Following Model for Level 3 Autonomous Driving Considering Driver's Acceptance. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 10309-10321.	4.7	11
1486	Joint Communication and Computation Resource Scheduling of a UAV-Assisted Mobile Edge Computing System for Platooning Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 8435-8450.	4.7	33
1487	Tracking Based Mix-Zone Location Privacy Evaluation in VANET. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 10957-10969.	3.9	7
1488	Digital Twin-Assisted Cooperative Driving at Non-Signalized Intersections. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022, 7, 198-209.	9.4	41
1489	Effect of the Uncertainty Level of Vehicle-Position Information on the Stability and Safety of the Car-Following Process. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 4944-4958.	4.7	12

#	ARTICLE	IF	CITATIONS
1490	Speed Advice for Connected Vehicles at an Isolated Signalized Intersection in a Mixed Traffic Flow Considering Stochasticity of Human Driven Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11261-11272.	4.7	5
1491	Adversarial Evaluation of Autonomous Vehicles in Lane-Change Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10333-10342.	4.7	27
1492	Application of the Hybrid Model to Numerical Modeling of the Urban Transport Network Topology. Smart Innovation, Systems and Technologies, 2021, , 185-194.	0.5	0
1493	On-Road Motion Planning for Automated Vehicles at Ulm University. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 121-131.	2.6	3
1494	Optimal Control of Autonomous Vehicles for Traffic Smoothing. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3842-3852.	4.7	16
1495	A Multi-cell Cellular Automata Model of Traffic Flow with Emergency Vehicles: Effect of a Corridor of Life. Lecture Notes in Computer Science, 2021, , 34-40.	1.0	0
1496	Driver Modeling Through Deep Reinforcement Learning and Behavioral Game Theory. IEEE Transactions on Control Systems Technology, 2022, 30, 885-892.	3.2	26
1497	An Algebraic Evaluation Framework for a Class of Car-Following Models. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12366-12376.	4.7	3
1498	Jam-Absorption Driving Strategy for Improving Safety Near Oscillations in a Connected Vehicle Environment Considering Consequential Jams. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 41-52.	2.6	6
1499	Digital Twin Empowered Content Caching in Social-Aware Vehicular Edge Networks. IEEE Transactions on Computational Social Systems, 2022, 9, 239-251.	3.2	50
1500	Impact of the Self-Interruption Probability Involving the Anticipation Optimal Velocity on Traffic Stability for Car-Following Theory Under V2X Environment. IEEE Access, 2021, 9, 111456-111462.	2.6	2
1501	String Stability and Platoon Safety Analysis of a New Car-Following Model Considering a Stabilization Strategy. IEEE Access, 2021, 9, 111336-111345.	2.6	2
1502	Study on the Vehicle Linear Dynamic Interval in a Traffic Flow. Communications - Scientific Letters of the University of Zilina, 2021, 23, E11-E22.	0.3	0
1503	Exploring the influence of automated driving styles on network efficiency. Transportation Research Procedia, 2021, 52, 380-387.	0.8	9
1504	Safe Reinforcement Learning for Autonomous Vehicle Using Monte Carlo Tree Search. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6766-6773.	4.7	34
1505	Trust-Based and Individualizable Adaptive Cruise Control Using Control Barrier Function Approach With Prescribed Performance. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6974-6984.	4.7	24
1507	An Improved Intelligent Driver Model Considering the Information of Multiple Front and Rear Vehicles. IEEE Access, 2021, 9, 66241-66252.	2.6	23
1508	Combined Control of Freeway Traffic Involving Cooperative Adaptive Cruise Controlled and Human Driven Vehicles Using Feedback Control Through SUMO. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11011-11025.	4.7	21

#	ARTICLE	IF	CITATIONS
1509	A Two-Stage Optimization-Based Motion Planner for Safe Urban Driving. IEEE Transactions on Robotics, 2022, 38, 822-834.	7.3	15
1510	Intelligent driving intelligence test for autonomous vehicles with naturalistic and adversarial environment. Nature Communications, 2021, 12, 748.	5.8	108
1511	On string stability of a mixed and heterogeneous traffic flow: A unifying modelling framework. Transportation Research Part B: Methodological, 2021, 144, 133-154.	2.8	64
1512	Long Short-Term Memory-Based Human-Driven Vehicle Longitudinal Trajectory Prediction in a Connected and Autonomous Vehicle Environment. Transportation Research Record, 2021, 2675, 380-390.	1.0	14
1513	Simulating the effectiveness of wave dissipation by FollowerStopper autonomous vehicles. Transportation Research Part C: Emerging Technologies, 2021, 123, 102954.	3.9	8
1514	A probabilistic model for discretionary lane change proposals in highway driving situations. Forschung Im Ingenieurwesen/Engineering Research, 2021, 85, 485-500.	1.0	3
1515	A deep reinforcement learning-based approach for autonomous driving in highway on-ramp merge. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 2726-2739.	1.1	12
1516	Assessing traffic disturbance, efficiency, and safety of the mixed traffic flow of connected vehicles and traditional vehicles by considering human factors. Transportation Research Part C: Emerging Technologies, 2021, 124, 102934.	3.9	60
1517	Dynamics of traffic flow affected by the future motion of multiple preceding vehicles under vehicle-connected environment: Modeling and stabilization. Physica A: Statistical Mechanics and Its Applications, 2021, 565, 125538.	1.2	14
1518	Investigating heterogeneous car-following behaviors of different vehicle types, traffic densities and road types. Transportation Research Interdisciplinary Perspectives, 2021, 9, 100315.	1.6	6
1519	Online predictive connected and automated eco-driving on signalized arterials considering traffic control devices and road geometry constraints under uncertain traffic conditions. Transportation Research Part B: Methodological, 2021, 145, 80-117.	2.8	21
1520	Using reinforcement learning to minimize taxi idle times. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2022, 26, 498-509.	2.6	3
1521	Integrated simulation platform for conventional, connected and automated driving: A design from cyber-physical systems perspective. Transportation Research Part C: Emerging Technologies, 2021, 124, 102984.	3.9	21
1522	A Review of Car-Following Models and Modeling Tools for Human and Autonomous-Ready Driving Behaviors in Micro-Simulation. Smart Cities, 2021, 4, 314-335.	5.5	63
1523	A multi-vehicle communication system to assess the safety and mobility of connected and automated vehicles. Transportation Research Part C: Emerging Technologies, 2021, 124, 102887.	3.9	36
1524	Optimizing sensitivity parameters of automated driving vehicles in an open heterogeneous traffic flow system. Transportmetrica A: Transport Science, 2022, 18, 762-806.	1.3	3
1525	Eco-driving-based cooperative adaptive cruise control of connected vehicles platoon at signalized intersections. Transportation Research, Part D: Transport and Environment, 2021, 92, 102746.	3.2	72
1526	Intention estimation and controllable behaviour models for traffic merges. SICE Journal of Control Measurement and System Integration, 2021, 14, 59-66.	0.4	0

#	ARTICLE	IF	CITATIONS
1527	A Coupled Vehicle-Signal Control Method at Signalized Intersections in Mixed Traffic Environment. IEEE Transactions on Vehicular Technology, 2021, 70, 2089-2100.	3.9	37
1528	Coordinated ramp signal optimization framework based on time series flux-correlation analysis. PeerJ Computer Science, 2021, 7, e446.	2.7	0
1529	Modeling and analysis of car-following behavior considering backward-looking effect*. Chinese Physics B, 2021, 30, 034501.	0.7	10
1530	A Systematic Approach to Develop Metaheuristic Traffic Simulation Models from Big Data Analytics on Real-World Data. , 0, , .		0
1531	From homogeneous to heterogeneous traffic flows:LString stability under uncertain model parameters. Transportation Research Part B: Methodological, 2021, 146, 136-154.	2.8	46
1532	A modified social force model for high-density through bicycle flow at mixed-traffic intersections. Simulation Modelling Practice and Theory, 2021, 108, 102265.	2.2	21
1533	AVDM: A hierarchical command-and-control system architecture for cooperative autonomous vehicles in highways scenario using microscopic simulations. Autonomous Agents and Multi-Agent Systems, 2021, 35, 1.	1.3	8
1534	Assessing the Impact of Automated and Connected Automated Vehicles on Virginia Freeways. Transportation Research Record, 2021, 2675, 870-884.	1.0	6
1535	Human-like Speed Modelling for Autonomous Vehicles during Car-Following at Intersections. Canadian Journal of Civil Engineering, 0, , .	0.7	1
1536	Lane-Merging Strategy for a Self-Driving Car in Dense Traffic Using the Stackelberg Game Approach. Electronics (Switzerland), 2021, 10, 894.	1.8	17
1537	Development of parametric eco-driving models for fuel savings: A novel parameter calibration approach. International Journal of Transportation Science and Technology, 2021, , .	2.0	0
1538	A survey on autonomous vehicle control in the era of mixed-autonomy: From physics-based to AI-guided driving policy learning. Transportation Research Part C: Emerging Technologies, 2021, 125, 103008.	3.9	108
1539	Network-wide traffic signal control optimization using a multi-agent deep reinforcement learning. Transportation Research Part C: Emerging Technologies, 2021, 125, 103059.	3.9	53
1540	Modeling and Simulation of Traffic Flow Considering Driver Perception Error Effect. Journal of Transportation Engineering Part A: Systems, 2021, 147, 04021009.	0.8	2
1541	Simulations of vehicular optical wireless communication systems and comparisons with DSRC systems. Applied Optics, 2021, 60, E17.	0.9	1
1542	An evaluation framework of automated electric transportation system. Transportation Research, Part E: Logistics and Transportation Review, 2021, 148, 102265.	3.7	12
1543	Multimodal Deep Generative Models for Trajectory Prediction: A Conditional Variational Autoencoder Approach. IEEE Robotics and Automation Letters, 2021, 6, 295-302.	3.3	42
1544	Stabilization strategy of a car-following model with multiple time delays of the drivers*. Chinese Physics B, 2021, 30, 120506.	0.7	2

#	ARTICLE	IF	CITATIONS
1545	Motion Estimation of Connected and Automated Vehicles under Communication Delay and Packet Loss of V2X Communications. , 0, , .		5
1546	Forecasting Short to Mid-Length Speed Trajectories of Preceding Vehicle Using V2X Connectivity for Eco-Driving of Electric Vehicles. SAE International Journal of Advances and Current Practices in Mobility, 0, 3, 1801-1809.	2.0	5
1547	Modeling Lane-Changing Behavior of Vehicles at Merge Section under Mixed Traffic Conditions. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	3
1548	Predicting the Time Until a Vehicle Changes the Lane Using LSTM-Based Recurrent Neural Networks. IEEE Robotics and Automation Letters, 2021, 6, 2357-2364.	3.3	19
1549	On the Impact of V2X-based Maneuver Coordination on the Traffic. , 2021, , .		12
1550	Causality and Consistency of State Update Schemes in Synchronous Agent-based Simulations. , 2021, , .		1
1551	Differentiable Agent-Based Simulation for Gradient-Guided Simulation-Based Optimization. , 2021, , .		4
1552	Field Theory for Some Traffic Phenomena and Fundamental Diagram. Transportation Research Record, 2021, 2675, 1195-1208.	1.0	4
1553	Review of Mobility Scenarios Generators for Vehicular Ad-Hoc Networks Simulators. Journal of Physics: Conference Series, 2021, 1935, 012006.	0.3	6
1554	Evolution towards optimal driving strategies for large-scale autonomous vehicles. IET Intelligent Transport Systems, 2021, 15, 1018-1027.	1.7	4
1555	Integrated Framework of Vehicle Dynamics, Instabilities, Energy Models, and Sparse Flow Smoothing Controllers. , 2021, , .		8
1556	MPC-Based Connected Cruise Control with Multiple Human Predecessors. , 2021, , .		10
1557	Output Feedback Controller Design for a Mixed Traffic Flow System Moving in a Loop. , 2021, , .		6
1558	Simulating the Effect of Autonomous Vehicles on Roadway Mobility in a Microscopic Traffic Simulator. International Journal of Automotive Technology, 2021, 22, 713-733.	0.7	7
1559	Health Monitoring of Mixed Autonomous and Human-driven Vehicle Platoon using Transmissibility Identification. , 2021, , .		6
1560	Personalized Adaptive Cruise Control and Impacts on Mixed Traffic. , 2021, , .		9
1561	Automated eco-driving in urban scenarios using deep reinforcement learning. Transportation Research Part C: Emerging Technologies, 2021, 126, 102967.	3.9	54
1562	Compositional safety rules for inter-triggering hybrid automata. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1563	Adapting a cellular automata model to describe heterogeneous traffic with human-driven, automated, and communicating automated vehicles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 570, 125792.	1.2	26
1564	On lane assignment of connected automated vehicles: strategies to improve traffic flow at diverge and weave bottlenecks. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 127, 103126.	3.9	14
1565	An extended smart driver model considering electronic throttle angle changes with memory. <i>Chinese Physics B</i> , 2022, 31, 010504.	0.7	0
1566	Simulation Driven Design and Test for Safety of AI Based Autonomous Vehicles. , 2021, , .		6
1567	Enhanced Eco-Approach Control of Connected Electric Vehicles at Signalized Intersection With Queue Discharge Prediction. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 5457-5469.	3.9	37
1568	A hybrid fundamental diagram for modeling mixed human and automated traffic flow. , 2021, , .		2
1569	Investigating the operational performance of connected and autonomous vehicles on signalized superstreets. <i>Transportation Planning and Technology</i> , 0, , 1-14.	0.9	1
1570	Exploring the effects of connected and automated vehicles at fixed and actuated signalized intersections with different market penetration rates. <i>Transportation Planning and Technology</i> , 2021, 44, 577-593.	0.9	8
1571	Modeling oscillatory car following using deep reinforcement learning based car following models. , 2021, , .		2
1572	A State-Space Solution to the Estimation of Interacting Vehicle Trajectories with Deep Neural Networks and Variational Bayes Filtering. , 2021, , .		0
1573	Automated vehicle-involved traffic flow studies: A survey of assumptions, models, speculations, and perspectives. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 127, 103101.	3.9	84
1574	Enhancing Mixed Traffic Flow Safety via Connected and Autonomous Vehicle Trajectory Planning with a Reinforcement Learning Approach. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-11.	0.9	8
1575	Positioning accuracy estimation for on-board data processing at the road surface defects monitoring. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1159, 012013.	0.3	0
1576	Evaluating the Safety Impact of Connected and Autonomous Vehicles with Lane Management on Freeway Crash Hotspots Using the Surrogate Safety Assessment Model. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-14.	0.9	10
1577	Injecting knowledge in data-driven vehicle trajectory predictors. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 128, 103010.	3.9	28
1578	Stochastic process in railway traffic flow: Models, methods and implications. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 128, 103167.	3.9	14
1579	Lighthill-Whitham-Richards Model for Traffic Flow Mixed with Cooperative Adaptive Cruise Control Vehicles. <i>Transportation Science</i> , 2021, 55, 883-907.	2.6	31
1580	Mixed traffic flow of human driven vehicles and automated vehicles on dynamic transportation networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 128, 103159.	3.9	26

#	ARTICLE	IF	CITATIONS
1581	Effect of Adaptive Cruise Control on Mixed Traffic Flow: A Comparison of Constant Time Gap Policy with Variable Time Gap Policy. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-13.	0.9	3
1582	Corner Case Generation and Analysis for Safety Assessment of Autonomous Vehicles. <i>Transportation Research Record</i> , 2021, 2675, 587-600.	1.0	10
1583	Modeling impacts of driving automation system on mixed traffic flow at off-ramp freeway facilities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 573, 125852.	1.2	3
1584	About calibration of car-following dynamics of automated and human-driven vehicles: Methodology, guidelines and codes. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 128, 103165.	3.9	63
1585	Variable Speed Limit Control Method of Freeway Mainline in Intelligent Connected Environment. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-12.	0.9	4
1586	A novel distributed cooperative approach for mixed platoon consisting of connected and automated vehicles and human-driven vehicles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 573, 125939.	1.2	26
1587	Bayesian updating methodology for probabilistic model of bridge traffic loads using in-service data of traffic environment. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 77-92.	2.0	6
1588	Cooperative Intersection with Misperception in Partially Connected and Automated Traffic. <i>Sensors</i> , 2021, 21, 5003.	2.1	3
1589	Car-Following Described by Blending Data-Driven and Analytical Models: A Gaussian Process Regression Approach. <i>Transportation Research Record</i> , 2021, 2675, 1202-1213.	1.0	4
1590	Customizing the following behavior models to mimic the weak lane based mixed traffic conditions. <i>Transportmetrica B</i> , 2022, 10, 20-47.	1.4	12
1591	Effect of individual differences on the jamming transition in traffic flow. <i>Physical Review E</i> , 2021, 104, 014311.	0.8	0
1592	Experimental study on properties of lightly congested flow. <i>Transportation Research Part B: Methodological</i> , 2021, 149, 1-19.	2.8	9
1593	Multilane Microscopic Modeling to Measure Mobility and Safety Consequences of Mixed Traffic in Freeway Weaving Sections. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-21.	0.9	1
1594	A Pairing Algorithm for Conflict-Free Crossings of Automated Vehicles at Lightless Intersections. <i>Electronics (Switzerland)</i> , 2021, 10, 1702.	1.8	3
1595	A stochastic behaviour model of a personal mobility under heterogeneous low-carbon traffic flow. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 128, 103163.	3.9	11
1596	Speed Guidance Model in the Vicinity of Intersections Based on Internet of Vehicles. , 2021, , .		0
1597	String Stability Analysis of Connected Vehicular Systems Based on Car-Following Model. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021, 147, .	0.8	7
1598	Hierarchical Longitudinal Control for Connected and Automated Vehicles in Mixed Traffic on a Signalized Arterial. <i>Sustainability</i> , 2021, 13, 8852.	1.6	2

#	ARTICLE	IF	CITATIONS
1599	Noise-induced instability of a class of stochastic higher order continuum traffic models. Transportation Research Part B: Methodological, 2021, 150, 260-278.	2.8	27
1600	Learning-Based Stochastic Driving Model for Autonomous Vehicle Testing. Transportation Research Record, 2022, 2676, 54-64.	1.0	8
1602	Optimal Decision-Making Strategies for Self-Driving Car Inspired by Game Theory. , 2021, , .		1
1603	Modeling and simulating of single autonomous vehicle under urban conventional traffic flow. , 2021, , .		2
1604	Review of Learning-Based Longitudinal Motion Planning for Autonomous Vehicles: Research Gaps Between Self-Driving and Traffic Congestion. Transportation Research Record, 2022, 2676, 324-341.	1.0	23
1605	On the structural safety of long-span bridges under traffic loadings caused by maintenance works. Engineering Structures, 2021, 240, 112407.	2.6	7
1606	Evolution of Traffic Microsimulation and Its Use for Modeling Connected and Automated Vehicles. Journal of Advanced Transportation, 2021, 2021, 1-29.	0.9	21
1607	A physics-informed deep learning paradigm for car-following models. Transportation Research Part C: Emerging Technologies, 2021, 130, 103240.	3.9	56
1608	A Space-Based Car-Following Model: Development and Application for Managed Motorway System Safety Evaluation. Future Transportation, 2021, 1, 443-465.	1.3	1
1609	A sharing deep reinforcement learning method for efficient vehicle platooning control. IET Intelligent Transport Systems, 2022, 16, 1697-1709.	1.7	9
1610	Car-Following Model Calibration Based on Driving Simulator Data to Study Driver Characteristics and to Investigate Model Validity in Extreme Traffic Situations. Transportation Research Record, 0, , 036119812110326.	1.0	4
1611	A novel traffic conflict risk measure considering the effect of vehicle weight. Journal of Safety Research, 2022, 80, 1-13.	1.7	8
1612	Efficiency and Safety Evaluation of Left-turn Vehicles and Crossing Pedestrians in Signalized Intersections under the Autonomous Vehicle Mixed Flow Condition. International Journal of Intelligent Transportation Systems Research, 0, , 1.	0.6	0
1613	Calibrating Wiedemann-99 Model Parameters to Trajectory Data of Mixed Vehicular Traffic. Transportation Research Record, 2022, 2676, 718-735.	1.0	14
1614	Visibility-Based Technologies and Methodologies for Autonomous Driving. Artificial Intelligence, 0, , .	2.0	2
1615	Exploring the variance contributions of correlated model parameters: A sampling-based approach and its application in traffic simulation models. Applied Mathematical Modelling, 2021, 97, 438-462.	2.2	2
1616	A novel agent-based framework for evaluating pedestrian safety at unsignalized mid-block crosswalks. Accident Analysis and Prevention, 2021, 159, 106288.	3.0	19
1617	Control of Vehicular Traffic at an Intersection Using a Cyber-Physical Multiagent Framework. IEEE Transactions on Industrial Informatics, 2021, 17, 6230-6240.	7.2	9

#	ARTICLE	IF	CITATIONS
1618	Energy and flow effects of optimal automated driving in mixed traffic: Vehicle-in-the-loop experimental results. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 130, 103168.	3.9	19
1619	Awareness Assessment of Connected Vehicles in Highway Driving: A Perceived Safety Approach. <i>IEEE Vehicular Technology Magazine</i> , 2021, 16, 129-136.	2.8	6
1620	Simulation of connected driving in hazardous weather conditions: General and extensible multiagent architecture and models. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 104, 104412.	4.3	3
1621	Data-Driven Forgetting and Discount Factors for Vehicle Speed Forecasting in Ecological Adaptive Cruise Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2022, 144, .	0.9	7
1622	Multiple-Factors Aware Car-Following Model for Connected and Autonomous Vehicles. <i>Transportation Research Record</i> , 2022, 2676, 649-662.	1.0	5
1623	A Behavior-Based Malware Spreading Model for Vehicle-to-Vehicle Communications in VANET Networks. <i>Electronics (Switzerland)</i> , 2021, 10, 2403.	1.8	11
1624	The knowledge domain of crowd dynamics: Anatomy of the field, pioneering studies, temporal trends, influential entities and outside-domain impact. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 580, 126145.	1.2	29
1625	Connected automated vehicle control in single lane roundabouts. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 131, 103308.	3.9	19
1626	A Kinematic Model for Trajectory Prediction in General Highway Scenarios. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 6757-6764.	3.3	6
1627	Impact of CAV platoon management on traffic flow considering degradation of control mode. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 581, 126193.	1.2	36
1628	A multi-agent based cellular automata model for intersection traffic control simulation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 584, 126356.	1.2	19
1629	Integrating safety into the fundamental relations of freeway traffic flows: A conflict-based safety assessment framework. <i>Analytic Methods in Accident Research</i> , 2021, 32, 100187.	4.7	15
1630	Modeling Car-Following Behavior on Freeways Considering Driving Style. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021, 147, .	0.8	18
1631	Stability of heterogeneous traffic considering impacts of platoon management with multiple time delays. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 583, 126294.	1.2	28
1632	Super-random states in vehicular traffic "Detection & explanation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 585, 126418.	1.2	7
1633	An Improved Car-Following Model considering Desired Safety Distance and Heterogeneity of Driver's Sensitivity. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-12.	0.9	2
1634	Multilane Automated Driving With Optimal Control and Mixed-Integer Programming. <i>IEEE Transactions on Control Systems Technology</i> , 2021, 29, 2561-2574.	3.2	6
1635	Influence of driver behavior in the emergence of traffic gridlocks. <i>International Journal of Modern Physics C</i> , 2021, 32, 2150051.	0.8	0

#	ARTICLE	IF	CITATIONS
1636	Driving Behavior Modeling Using Naturalistic Human Driving Data With Inverse Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10239-10251.	4.7	57
1637	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
1638	On the Impact of Prior Experiences in Car-Following Models: Model Development, Computational Efficiency, Comparative Analyses, and Extensive Applications. IEEE Transactions on Cybernetics, 2023, 53, 1405-1418.	6.2	6
1639	Driving behaviour modelling in the context of heterogeneous traffic and poor lane discipline conditions: the state of the art and beyond. Transportmetrica A: Transport Science, 2022, 18, 367-434.	1.3	4
1640	Autonomous vehicles in mixed motorway traffic: capacity utilisation, impact and policy implications. Transportation, 2021, 48, 2907-2938.	2.1	22
1641	Proactive Longitudinal Control to Manage Disruptive Lane Changes of Human-Driven Vehicles in Mixed-Flow Traffic. IFAC-PapersOnLine, 2021, 54, 321-326.	0.5	8
1642	Joint Optimization of Intersection Control and Trajectory Planning Accounting for Pedestrians in a Connected and Automated Vehicle Environment. Sustainability, 2021, 13, 1135.	1.6	11
1643	Highway Cost Analysis for Platooning of Connected and Autonomous Trucks. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	6
1645	Flow: A Modular Learning Framework for Mixed Autonomy Traffic. IEEE Transactions on Robotics, 2022, 38, 1270-1286.	7.3	44
1646	Risk Field Model of Driving and Its Application in Modeling Car-Following Behavior. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11605-11620.	4.7	18
1647	Towards a Software Component to Perform Situation-Aware Dynamic Risk Assessment for Autonomous Vehicles. Communications in Computer and Information Science, 2021, , 3-11.	0.4	6
1649	Freeway Traffic Management and Control. , 2009, , 3943-3964.		17
1650	Traffic Congestion, Modeling Approaches to. , 2009, , 9302-9355.		25
1651	Vehicular Traffic: A Review of Continuum Mathematical Models. , 2009, , 9727-9749.		50
1652	Driver Behavior Modeling. , 2012, , 537-558.		19
1653	Vehicular Traffic: A Review of Continuum Mathematical Models. , 2012, , 1748-1770.		7
1655	Local Stability Conditions and Calibrating Procedure for New Car-Following Models Used in Driving Simulators. , 2015, , 453-461.		2
1656	Cellular Automaton Model with Non-hypothetical Congested Steady State Reproducing the Three-Phase Traffic Flow Theory. Lecture Notes in Computer Science, 2014, , 610-619.	1.0	2

#	ARTICLE	IF	CITATIONS
1657	Road Network Simulation Using FLAME GPU. Lecture Notes in Computer Science, 2015, , 430-441.	1.0	7
1658	Calibrating the Local and Platoon Dynamics of Car-Following Models on the Reconstructed NGSIM Data. , 2016, , 515-522.		16
1659	Multi-resolution Traffic Simulation for Large-Scale High-Fidelity Evaluation of VANET Applications. Lecture Notes in Mobility, 2019, , 17-36.	0.2	9
1660	Using a Prospect Theory Approach to Studying the Car-Following Model. Advances in Intelligent Systems and Computing, 2017, , 287-300.	0.5	1
1661	A Study on the Human and the Automation in Automated Driving: Getting to Know Each Other. Advances in Intelligent Systems and Computing, 2018, , 672-683.	0.5	2
1662	Exploring the Effects of Perception Errors and Anticipation Strategies on Traffic Accidents - A Simulation Study. Advances in Intelligent Systems and Computing, 2018, , 249-261.	0.5	4
1663	Experimental Swarm Design. Lecture Notes in Computer Science, 2003, , 92-105.	1.0	1
1664	Jam-Avoiding Adaptive Cruise Control (ACC) and its Impact on Traffic Dynamics. , 2007, , 633-643.		42
1665	Decentralized Approaches to Adaptive Traffic Control. Understanding Complex Systems, 2008, , 189-199.	0.3	3
1666	Modeling Lane-Changing Decisions with MOBIL. , 2009, , 211-221.		22
1667	Deterministic Time-Delayed Traffic Flow Models: A Survey. Understanding Complex Systems, 2009, , 297-322.	0.3	13
1668	Probabilistic Vehicular Trace Reconstruction Based on RF-Visual Data Fusion. Lecture Notes in Computer Science, 2010, , 16-27.	1.0	5
1669	A Generalized Framework for Integrated Vehicle Traffic and Wireless Network Simulation. Lecture Notes in Computer Science, 2010, , 205-219.	1.0	4
1671	Performance Comparison of Different Routing Protocols in Vehicular Network Environments. Communications in Computer and Information Science, 2011, , 427-436.	0.4	3
1672	Freeway Traffic Management and Control. , 2017, , 1-28.		4
1673	Traffic Breakdown, Modeling Approaches to. , 2018, , 1-89.		6
1674	Vehicular Traffic: A Review of Continuum Mathematical Models. , 2013, , 1-37.		1
1675	Cellular Automaton Models in the Framework of Three-Phase Traffic Theory. , 2018, , 1-30.		2

#	ARTICLE	IF	CITATIONS
1676	Theoretical vs. Empirical Classification and Prediction of Congested Traffic States. Lecture Notes in Mathematics, 2013, , 303-333.	0.1	1
1677	Self-Organized Network Flows. Lecture Notes in Mathematics, 2013, , 335-355.	0.1	3
1679	A Multi-threaded Execution Model for the Agent-Based SEMSim Traffic Simulation. Communications in Computer and Information Science, 2013, , 1-12.	0.4	19
1680	Real-time Event Processing for Smart Logistics Networks. , 2018, , 517-532.		6
1681	Dynamic Decision Behavior and Optimal Guidance Through Information Services: Models and Experiments. , 2004, , 47-95.		35
1682	The Generalized Fundamental Diagram of Traffic and Possible Applications. , 2003, , 169-186.		1
1683	Three-Phase Traffic Theory. , 2003, , 13-50.		11
1684	Basic Driving Dynamics of Cyclists. Lecture Notes in Computer Science, 2014, , 18-32.	1.0	7
1685	Resilience of Spatial Networks. Understanding Complex Systems, 2016, , 79-106.	0.3	3
1686	A Behavioural Approach to Instability, Stop and Go Waves, Wide Jams and Capacity Drop. , 2005, , 205-228.		14
1687	Longitudinal safety evaluation of electric vehicles with the partial wireless charging lane on freeways. Accident Analysis and Prevention, 2018, 111, 133-141.	3.0	12
1688	Heuristics-oriented overtaking decision making for autonomous vehicles using reinforcement learning. IET Electrical Systems in Transportation, 2020, 10, 417-424.	1.5	17
1689	Zero-Shot Autonomous Vehicle Policy Transfer: From Simulation to Real-World via Adversarial Learning. , 2020, , .		19
1690	Automated Lane Change Strategy using Proximal Policy Optimization-based Deep Reinforcement Learning. , 2020, , .		41
1691	Improving Bounds on Occluded Vehicle States for Use in Safe Motion Planning. , 2020, , .		10
1692	Impacts of Connected Automated Vehicles on Freeway Traffic Patterns at Different Penetration Levels. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4305-4318.	4.7	28
1693	Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. IEEE Transactions on Vehicular Technology, 2020, 69, 15760-15773.	3.9	23
1694	A Graph Partitioning Algorithm for Parallel Agent-Based Road Traffic Simulation. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
1695	Fidelity and Performance of State Fast-forwarding in Microscopic Traffic Simulations. ACM Transactions on Modeling and Computer Simulation, 2020, 30, 1-26.	0.6	6
1696	Pedal to the Bare Metal. , 2020, , .		1
1697	A Self-Adaptive and Link-Aware Beaconless Forwarding Protocol for VANETs. International Journal of Distributed Sensor Networks, 2015, 11, 757269.	1.3	9
1698	Agents for Traffic Simulation. Computational Analysis, Synthesis, and Design of Dynamic Models Series, 2009, , 325-356.	0.2	34
1699	The effect of lane changing on long-span highway bridge traffic loading. Bridge Maintenance, Safety and Management, 2012, , 2997-3004.	0.1	3
1700	Wireless Sensor Based Hybrid Architecture for Vehicular Ad hoc Networks. Telkomnika (Telecommunication Computing Electronics and Control), 2014, 12, 942.	0.6	10
1701	Empirical study of lane-changing behavior on three Chinese freeways. PLoS ONE, 2018, 13, e0191466.	1.1	14
1703	A Market-Inspired Approach for Intersection Management in Urban Road Traffic Networks. Journal of Artificial Intelligence Research, 0, 43, 621-659.	7.0	102
1704	Modelling of motor vehicle operation for the evaluation of pollutant emission and fuel consumption. Silniki Spalinowe, 2017, 171, 156-163.	0.4	5
1705	Analysis and Comparison of Microscopic Traffic Flow Models with Real Traffic Microscopic Data. , 0, .		74
1706	Empirical Analysis of Traffic Sensor Data Surrounding a Bottleneck on a German Autobahn. , 0, .		9
1707	Calibration and Validation of Microscopic Models of Traffic Flow. , 0, .		37
1708	Safety Assessment of Information Delay on Performance of Intelligent Vehicle Control System. Transportation Research Record, 2006, 1944, 16-25.	1.0	4
1709	Toward Demonstrating Predictability of Bottleneck Activation on German Autobahns. , 0, .		9
1710	Probabilistic Breakdown Phenomenon at On-Ramp Bottlenecks in Three-Phase Traffic Theory. Transportation Research Record, 2006, 1965, 70-78.	1.0	17
1711	Continuum Traffic Model for Freeway with On- and Off-Ramp to Explain Different Traffic-Congested States. , 0, .		11
1712	Modeling Pipeline Driving Behaviors: Hidden Markov Model Approach. , 0, .		13
1713	Validation of scenario modelling for bridge loading. Baltic Journal of Road and Bridge Engineering, 2016, 11, 233-241.	0.4	2

#	ARTICLE	IF	CITATIONS
1714	A game-theoretic framework for autonomous vehicles velocity control: Bridging microscopic differential games and macroscopic mean field games. Discrete and Continuous Dynamical Systems - Series B, 2020, 25, 4869-4903.	0.5	7
1715	Self-organized network flows. Networks and Heterogeneous Media, 2007, 2, 193-210.	0.5	48
1716	A Probabilistic Routing Protocol in VANET. International Journal of Mobile Computing and Multimedia Communications, 2010, 2, 21-37.	0.4	1
1717	VÃ©hicules coopÃ©ratifs pour une gestion dynamique du traficÂ: approche thÃ©orique et simulation. Recherche - Transports - Securite, 2013, 2013, 47-58.	0.1	3
1719	Cooperative Adaptive Cruise Control Design and Implementation. , 0, , .		4
1720	Development of Virtual Fuel Economy Trend Evaluation Process. , 0, , .		11
1721	Reducing Fuel Consumption by Using Information from Connected and Automated Vehicle Modules to Optimize Propulsion System Control. , 0, , .		23
1722	Validating Heavy-Duty Vehicle Models Using a Platooning Scenario. , 0, , .		2
1723	I2V Highway and Urban Vehicular Networks: A Comparative Analysis of the Impact of Mobility on Broadcast Data Dissemination. Journal of Communications, 2011, 6, .	1.3	6
1724	Performance Comparison Of Topology And Position Based Routing Protocols In Vehicular Network Environments. International Journal of Wireless and Mobile Networks, 2011, 3, 289-303.	0.1	16
1727	Validation of Microscopic Traffic Models Based on GPS Precise Measurement of Vehicle Dynamics. Promet - Traffic - Traffico, 2013, 25, 156-167.	0.3	3
1728	Stability analysis and fundamental diagram of heterogeneous traffic flow mixed with cooperative adaptive cruise control vehicles. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 094502.	0.2	9
1729	Experimental investigation of ant traffic under crowded conditions. ELife, 2019, 8, .	2.8	8
1730	D4V: a peer-to-peer architecture for data dissemination in smartphone-based vehicular applications. PeerJ Computer Science, 0, 1, e15.	2.7	5
1731	A Synopsis of Simulation and Mobility Modeling in Vehicular Ad-hoc Networks (VANETs). IOSR Journal of Computer Engineering, 2013, 15, 01-16.	0.1	17
1732	Leading Cruise Control in Mixed Traffic Flow: System Modeling, Controllability, and String Stability. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12861-12876.	4.7	31
1733	The Fadhoun-Rakha Car-Following Model: A Novel Formulation Capturing Driver, Vehicle, Roadway, and Weather Variables. Communications in Computer and Information Science, 2021, , 255-278.	0.4	1
1734	Identifying Admissible Uncertainty Bounds for the Input of Planning Algorithms. IEEE Transactions on Intelligent Vehicles, 2021, , 1-1.	9.4	1

#	ARTICLE	IF	CITATIONS
1735	Amortized Q-learning with Model-based Action Proposals for Autonomous Driving on Highways. , 2021, , .		5
1736	Interpretable Goal-based Prediction and Planning for Autonomous Driving. , 2021, , .		28
1737	The Effect of Input Signals Time-Delay on Stabilizing Traffic with Autonomous Vehicles. , 2021, , .		0
1738	Cooperative Lane-Changing Strategy for Intelligent Vehicles. , 2021, , .		3
1739	Dissipation of Stop-and-Go Waves of Mixed Autonomous Vehicle Flow with Reinforcement Learning. , 2021, , .		1
1740	A Deep Reinforcement Learning Approach for Long-term Short-term Planning on Frenet Frame. , 2021, , .		6
1741	Graph-Based Motion Planning For Automated Vehicles Using Multi-Model Branching And Admissible Heuristics. , 2021, , .		3
1742	Lane Changing Using Multi-Agent DQN. , 2021, , .		2
1743	Developing a Merge Lane Change Decision Policy for Autonomous Vehicles by Deep Reinforcement Learning. , 2021, , .		5
1744	Life-long Learning System of Driving Behaviors from Vehicle Data Streams. , 2021, , .		2
1745	Learning to Drive at Unsignalized Intersections using Attention-based Deep Reinforcement Learning. , 2021, , .		13
1746	Creation of Critical Traffic Scenes for Usage with Importance Sampling. , 2021, , .		2
1747	What if? Behavior Estimation by Predicting Traffic Scenes from State Histories. , 2021, , .		1
1748	Personalized Adaptive Cruise Control via Gaussian Process Regression. , 2021, , .		12
1749	Analysis of the Generalized Intelligent Driver Model (GIDM) for Uncontrolled Intersections. , 2021, , .		2
1750	Traffic, Earthquakes and Evacuations : A Data Driven Multi-disciplinary Simulation Framework. , 2021, , .		1
1751	Control of a Mixed Autonomy Signalised Urban Intersection: An Action-Delayed Reinforcement Learning Approach. , 2021, , .		2
1752	Combining Reinforcement Learning with Model Predictive Control for On-Ramp Merging. , 2021, , .		17

#	ARTICLE	IF	CITATIONS
1753	Data-Driven Modelling of Car-Following Behavior in the Approach of Signalized Urban Intersections. , 2021, , .		4
1754	High-level Decisions from a Safe Maneuver Catalog with Reinforcement Learning for Safe and Cooperative Automated Merging. , 2021, , .		4
1755	Piecewise Constant Policies for Human-Compatible Congestion Mitigation. , 2021, , .		2
1756	Reinforcement Learning for Mixed Autonomy Intersections. , 2021, , .		8
1757	Classification of adaptive cruise control vehicle type based on car following trajectories. , 2021, , .		2
1758	Proactive Longitudinal Control of Connected and Autonomous Vehicles with Lane-Change Assistance for Human-Driven Vehicles. , 2021, , .		1
1759	Multi-Agent Driving Behavior Prediction across Different Scenarios with Self-Supervised Domain Knowledge. , 2021, , .		13
1760	Adapt the Driving Policy to Local Traffic before Entering the New Area. , 2021, , .		0
1761	Fuel-Economical Distributed Model Predictive Control for Heavy-Duty Truck Platoon. , 2021, , .		1
1762	Multi-Step Training for Predicting Roundabout Traffic Situations. , 2021, , .		3
1763	Calibration and Assessment of Urban Microscopic Traffic Simulation as an Environment for Testing of Automated Driving. , 2021, , .		3
1764	Lane-changing prediction in highway: Comparing empirically rule-based model MOBIL and a naïve Bayes algorithm. , 2021, , .		2
1765	Developing Smart Lane-changing Strategies for CAVs on Freeways based on MOBIL and Reinforcement Learning. , 2021, , .		0
1766	An Improved Model of Driving Risk Field for Connected and Automated Vehicles. , 2021, , .		2
1767	Towards Data Driven Traffic Modelling: Safe Driving Based on Reinforcement Learning*. , 2021, , .		0
1768	Extending the adaptive time gap car-following model to enhance local and string stability for adaptive cruise control systems. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 36-56.	2.6	10
1769	Stabilizing mixed cooperative adaptive cruise control traffic flow to balance capacity using car-following model. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 57-79.	2.6	21
1770	Decentralized arterial traffic signal optimization with connected vehicle information. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 145-160.	2.6	4

#	ARTICLE	IF	CITATIONS
1771	Autonomous traffic at intersections: An optimization-based analysis of possible time, energy, and CO savings. Networks, 0, , .	1.6	5
1772	Extreme Gradient Boosting (XGBoost) Model for Vehicle Trajectory Prediction in Connected and Autonomous Vehicle Environment. Promet - Traffic - Traffico, 2021, 33, 767-774.	0.3	3
1773	Car-following characteristics and model of connected autonomous vehicles based on safe potential field. Physica A: Statistical Mechanics and Its Applications, 2022, 586, 126502.	1.2	10
1774	An Extended Car-Following Model in Connected and Autonomous Vehicle Environment: Perspective from the Cooperation between Drivers. Journal of Advanced Transportation, 2021, 2021, 1-17.	0.9	5
1775	A deep learning framework for modelling left-turning vehicle behaviour considering diagonal-crossing motorcycle conflicts at mixed-flow intersections. Transportation Research Part C: Emerging Technologies, 2021, 132, 103415.	3.9	12
1776	An s-shaped three-parameter (S3) traffic stream model with consistent car following relationship. Transportation Research Part B: Methodological, 2021, 153, 246-271.	2.8	50
1777	Stability of Multi-Lane Traffic Flow. , 2003, , 227-233.		0
1778	Continuum Traffic Equations from Microscopic Car-Following Models. , 2003, , 65-78.		0
1780	Qualitative Change of Car-Following Behavior Observed in Real Traffic. , 2009, , 233-243.		0
1781	Pattern Formation in Traffic Microscopic Model. , 2009, , 259-264.		1
1782	Colliding Particles: Beyond Accident-Free Car Following Models. , 2009, , 65-84.		1
1783	Modelling and Simulating Several Time-Delay Mechanisms in Human and Automated Driving. , 2009, , 413-419.		1
1784	Earlier Theoretical Basis of Transportation Engineering: Fundamental Diagram Approach. , 2009, , 173-219.		1
1785	A spatio-temporal GIS-based multi agent traffic micro-simulation for identifying the most important accident locations. , 2009, , .		0
1786	Dynamic Decision Behavior. , 2010, , 17-45.		1
1788	Forensic Tracking and Mobility Prediction in Vehicular Networks. International Federation for Information Processing, 2010, , 91-105.	0.4	4
1789	Weighing Communication Overhead against Travel Time Reduction in Advanced Traffic Information Systems. Advances in Intelligent and Soft Computing, 2011, , 21-31.	0.2	0
1790	Guide to the Literature. , 2011, , 489-490.		0

#	ARTICLE	IF	CITATIONS
1791	DEVELOPMENT OF A MICROSCOPIC DRIVER-VEHICLE MODEL USING A CONTROL THEORY APPROACH. International Journal of Modelling and Simulation, 2011, 31, .	2.3	1
1792	Phase Transitions of Traffic Flows Based on Traffic Flow Simulation in the Merging Section on Freeways. Lecture Notes in Electrical Engineering, 2011, , 331-338.	0.3	0
1793	Traffic Phenomena in Biology. , 2011, , 461-488.		0
1794	Models on the Road. , 2011, , 97-124.		0
1797	A study of the emergence of kinematic waves in targeted state car-following models of traffic. CyberGeo, 0, , .	0.0	0
1798	A Traffic Flow Simulation Model Based on the Desired Speed in Merging Sections on Freeways. Advances in Information Sciences and Service Sciences, 2012, 4, 264-273.	0.1	1
1799	Resilient P2P Video Streaming over an Urban VANET. Advances in Multimedia and Interactive Technologies Book Series, 2012, , 262-287.	0.1	0
1800	A Probabilistic Routing Protocol in VANET. , 2012, , 19-34.		0
1801	Simulation Approaches to Intelligent Vehicles. , 2012, , 139-163.		0
1802	Characteristics of Traffic in a Highly Congested Motorway in Urban Area in Jakarta-Indonesia. International Journal of Engineering and Technology, 2012, 4, 221-225.	0.1	0
1803	Traffic Flow Merging and Bifurcating at Junction on Two-Lane Highway. World Journal of Mechanics, 2012, 02, 203-215.	0.1	2
1804	Mobility Models for Ad-Hoc Networks. , 2012, , 51-64.		0
1805	CAIDM: Context Aware Intelligent Driver Model. International Journal of Soft Computing, 2012, 7, 113-119.	0.4	0
1807	On the Controversy Around Daganzo's Requiem for and Aw's "Rascole's" Resurrection of Second-Order Traffic Flow Models. Lecture Notes in Mathematics, 2013, , 271-302.	0.1	1
1808	A Connectivity Invariant Dynamic Multichannel Assignment Method for VANET. Communications in Computer and Information Science, 2013, , 182-193.	0.4	2
1810	Analytical Deriving of Second Order Model of Payne from First Order Lighthill-Whitham-Richards Model. Cybernetics and Information Technologies, 2013, 13, 54-62.	0.4	1
1811	A SURVEY ON MOBILITY MODELS FOR VEHICULAR AD HOC NETWORKS. International Journal of Research in Engineering and Technology, 2013, 02, 20-25.	0.1	0
1812	Towards Simulating Heterogeneous Drivers with Cognitive Agents. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
1813	Influence of Participation Rates and Service Level Differentiation on Community Driven Predictions. Lecture Notes in Computer Science, 2014, , 62-73.	1.0	1
1814	Simulation of optimal control of train movement based on car-following model. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 070202.	0.2	1
1816	Modeling and Simulation of Vehicular Networks: Network Simulators, Traffic Simulators, and Their Interworking. , 2014, , 595-614.		0
1817	Performance Evaluation of Realistic Vehicular Networks: A MAC Layer Perspective. , 2014, , 571-594.		0
1818	A Probabilistic Model Checking Analysis of a Realistic Vehicular Networks Mobility Model. Lecture Notes in Computer Science, 2015, , 113-129.	1.0	0
1819	An iteration method for predicting vehicular trajectory based on car-following models. , 2015, , .		0
1820	Emulating Vehicular Ad hoc Networks for Evaluation and Testing of Automotive Embedded Systems. , 2015, , .		2
1821	Comparative Traffic Analysis between Electric Personal Mobility and Partial Autonomous Vehicle Using Agent-Based Model. Journal of Transport Research, 2015, 22, 27-44.	0.2	0
1822	- Spatial self-organization. , 2015, , 24-49.		0
1823	Probabilistic Road-Aware Geocast In VANETs. International Journal of Electrical and Computer Engineering, 2015, 5, 599.	0.5	0
1824	Traffic model by braking capability and response time. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P06019.	0.9	1
1825	Analyzing Macro-Traffic Impacts of Incremental Diffusion of Personal Mobility on Two-Lane Freeways. Journal of Transport Research, 2015, 22, 55-71.	0.2	1
1826	Longitudinal Control Model. , 2016, , 311-337.		0
1827	The Unified Diagram. , 2016, , 341-359.		0
1828	A General Scheme for Deterministic Microscopic Traffic Models. Part I: Theoretical Construction. , 2016, , 451-458.		0
1829	Calibration of Car-Following Models Considering the Impacts of Warning Messages from Tablet/Smartphone Application. Journal of Transportation Technologies, 2016, 06, 61-75.	0.2	4
1830	A Wireless Charging Infrastructure for Future Electrical Vehicular Adhoc Networks. Journal of Networks, 2016, 10, .	0.4	0
1832	Evaluation for Energy Saving Effect and Simulation Research on Vehicle Platoon Control for City Traffic. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
1833	Equilibrium Traffic Flow Models. , 2016, , 51-71.		1
1834	Energy Efficiency Evaluation of Automatic Driving Control for Passing through Intersection. , 2016, , .		1
1835	HOW TRAVEL DEMAND AFFECTS DETECTION OF NON-RECURRENT TRAFFIC CONGESTION ON URBAN ROAD NETWORKS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B2, 159-164.	0.2	0
1836	Mathematical Algorithm for Calculating the Total Traffic Lights Cycle in Junctions. , 2017, , 702-709.		0
1838	Introductionâ€”The Reason for Paradigm Shift in Transportation Science. , 2017, , 1-71.		1
1839	The Reason for Incommensurability of Three-Phase Theory with Classical Traffic Flow Theories. , 2017, , 307-366.		0
1840	Failure of Generally Accepted Classical Traffic Flow Theories. , 2017, , 123-186.		0
1841	Driver Behavior Injection in Microscopic Traffic Simulations. Communications in Computer and Information Science, 2017, , 237-248.	0.4	3
1842	Complex Dynamics of Bus, Tram, and Elevator Delays in Transportation Systems. , 2017, , 1-20.		0
1843	Physics model of fluid and particle simulation method for road traffic. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 224501.	0.2	0
1844	Analyzing Traffic Impacts of the Utilitarian Robotic Autonomous Vehicle. The Journal of the Korea Institute of Intelligent Transport Systems, 2017, 16, 55-72.	0.1	2
1845	The Multi-Driver Simulation: A Tool to Investigate Social Interactions Between Several Drivers. , 2018, , 379-391.		0
1846	Performance Evaluation of Mobility and Routing Protocols for Vehicular Ad Hoc Networks Using NS-2 and VanetMobisim. , 2017, , .		0
1847	Physics of Mind and Car-Following Problem. , 2018, , 1-35.		0
1848	Herausforderungen bei der Integration einer zeitdiskreten in eine quasizeitkontinuierliche Verkehrsflusssimulation. , 2018, , 217-236.		0
1849	Three New Car-Following Models Based on Driving Safety Framework for Studying Driving Behavior. , 2018, , .		0
1850	Parameter Identification on Hellyâ€™s Car-Following Model. , 0, , .		3
1851	Investigating the Large-Scale Effects of Human Driving Behavior on Vehicular Traffic Flow. Advances in Intelligent Systems and Computing, 2019, , 204-215.	0.5	1

#	ARTICLE	IF	CITATIONS
1852	The Fundamental Diagram. EURO Advanced Tutorials on Operational Research, 2019, , 21-34.	0.6	2
1853	Modelling and Simulation of Isolated Traffic Control Strategies in TraffSim. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0
1854	Personalised Driver and Traveller Support Systems. Lecture Notes in Mobility, 2019, , 277-294.	0.2	0
1855	Towards a More Stable Traffic Flow Performance: Applying and Calibrating the Intelligent Driver Model. , 2019, , 117-124.		0
1856	Volume II: The Simplicity of Complexity. The Frontiers Collection, 2019, , 181-214.	0.1	0
1857	Towards Eliminating Overreacted Vehicular Maneuvers: Part I Model Development and Calibration. Smart Innovation, Systems and Technologies, 2019, , 135-143.	0.5	0
1858	STUDY ON START-UP LOST TIME AT SIGNALIZED INTERSECTIONS CONSIDERING DOWNSTREAM CONDITIONS. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management), 2019, 75, I_1121-I_1130.	0.0	1
1859	Towards Eliminating Overreacted Vehicular Maneuvers: Part II Comparative Analyses. Smart Innovation, Systems and Technologies, 2019, , 145-154.	0.5	0
1860	Simulating Bicycle Traffic by the Intelligent-Driver Model: Reproducing the Traffic-Wave Characteristics Observed in a Bicycle-Following Experiment. , 2019, , 507-515.		0
1861	A Reinforcement Learning Approach to Smart Lane Changes of Self-driving Cars. Lecture Notes in Computer Science, 2019, , 559-571.	1.0	0
1862	Toward urban vehicle mobility modeling in Japan. , 2019, , .		0
1863	The Two Volumes of the Book of Nature. The Frontiers Collection, 2019, , 139-180.	0.1	0
1864	Traffic States and Jamming Transitions Induced by a Slow Car in Two-lane Traffic Flow. DEStech Transactions on Computer Science and Engineering, 2019, , .	0.1	0
1865	How to Model Real-World Driving Behavior? Probability-Based Driver Model for Energy Analyses. , 0, , .		3
1866	Use of Hardware in the Loop (HIL) Simulation for Developing Connected Autonomous Vehicle (CAV) Applications. , 0, , .		11
1867	Cooperative Adaptive Driving for Platooning Autonomous Self Driving Based on Edge Computing. International Journal of Applied Mathematics and Computer Science, 2019, 29, 213-225.	1.5	5
1868	Human factor in question of improving the efficiency of city public transport service. VĀĀsnik ĀĀĀtomirsĀĀĀkogo DerĀĀĀavnogo TehnologĀĀĀnogo UnĀĀĀversitetu: TehnĀĀĀnĀĀ Nauki, 2019, .	0.0	0
1869	Core components of automated driving " algorithms for situation analysis, decision-making, and trajectory planning. Proceedings, 2020, , 195-215.	0.2	2

#	ARTICLE	IF	CITATIONS
1870	Study on comfortable distance based car-following model with trajectory data. , 2019, , .		0
1871	Finding Diverse Failure Scenarios in Autonomous Systems Using Adaptive Stress Testing. SAE International Journal of Connected and Automated Vehicles, 0, 2, 241-251.	0.4	7
1872	A Look-ahead Car Following Scheme for Efficient Driving on Urban Roads. IFAC-PapersOnLine, 2020, 53, 13836-13841.	0.5	3
1873	To Investigate the Hidden Gap between Traffic Flow Fundamental Diagrams and the Derived Microscopic Car Following Models: A Theoretical Analysis. Smart Innovation, Systems and Technologies, 2020, , 89-98.	0.5	0
1874	Comparative Safety Assessment of Automated Driving Strategies at Highway Merges in Mixed Traffic. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3626-3639.	4.7	7
1875	Criticality Measures to Evaluate the Triggering Decision of Collision Avoidance Functions at Intersections. Journal of Traffic and Logistics Engineering, 2020, , 63-71.	0.3	0
1876	Performance Evaluation of the Pass-at-Green (PaG) Connected Vehicle V2I Application. , 0, , .		2
1877	The Effect of Driver's Behavior and Environmental Conditions on Thermal Management of Electric Vehicles. , 0, , .		4
1878	Delay Margin Analysis of a Large-Scale Optimal Velocity Model using the Parallel Processing Delay Margin Finder (parDMF). , 2020, , .		0
1879	Fast-Forwarding of Vehicle Clusters in Microscopic Traffic Simulations. , 2020, , .		0
1880	Categorizing Car-Following Behaviors: Wavelet-Based Time Series Clustering Approach. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	2
1882	Interaction aware cooperative trajectory planning for lane change maneuvers in dense traffic. , 2020, , .		8
1883	Reinforcement Learning with Uncertainty Estimation for Tactical Decision-Making in Intersections. , 2020, , .		15
1884	Comparison of Eco-Driving Strategies for Different Traffic-Management Measures. , 2020, , .		4
1885	Building Safer Autonomous Agents by Leveraging Risky Driving Behavior Knowledge. , 2021, , .		6
1886	An Investigation into the Appropriateness of Car-Following Models in Assessing Autonomous Vehicles. Sensors, 2021, 21, 7131.	2.1	4
1887	Implicit Latent Variable Model for Scene-Consistent Motion Forecasting. Lecture Notes in Computer Science, 2020, , 624-641.	1.0	49
1888	Modeling and Simulation of Car-Following Scenario Based on Historical Memory. , 0, , .		0

#	ARTICLE	IF	CITATIONS
1889	The Study of Fixed-Time Signal Intersection Speed Control Strategy Based on Cooperative Vehicle Infrastructure. , 0, , .		1
1890	A Simulation-based Approach for Large-scale Evacuation Planning. , 2020, , .		3
1891	Assessing the Impact of Heterogeneous Traffic on Highways via Agent-Based Simulations. , 2020, , .		3
1892	2-dimensional human-like driver model for autonomous vehicles in mixed traffic. IET Intelligent Transport Systems, 2020, 14, 1913-1922.	1.7	7
1893	The Effect of Connected Automated Vehicle Platoon on Mixed Traffic Flow. , 2020, , .		0
1894	Calibration and Analysis of Heterogeneous Car-Following Behaviors Based on a Naturalistic Trajectory Dataset on Highways. , 2020, , .		0
1895	Falsification-Based Robust Adversarial Reinforcement Learning. , 2020, , .		5
1896	Leading Cruise Control in Mixed Traffic Flow. , 2020, , .		8
1897	Fast Risk-Sensitive Model Predictive Control for Systems with Time-Series Forecasting Uncertainties. , 2020, , .		3
1898	Securing CACC: Strategies for Mitigating Data Injection Attacks. , 2020, , .		10
1899	Predictive kinetic energy management for an additional driver assistance eco-driving of heavy vehicles. IET Intelligent Transport Systems, 2020, 14, 1824-1834.	1.7	9
1900	A novel methodological framework for testing automated vehicle functions. European Transport Research Review, 2020, 12, .	2.3	4
1901	Quantitative Studies on Traffic Efficiency and Safety Variation Trend of Mixed Traffic Flow with Different Penetration Rates of Automated Vehicles. , 2020, , .		0
1902	Single-File Dynamics of Cyclists: Two Experiments and Two Microscopic Models. Springer Proceedings in Physics, 2020, , 531-537.	0.1	0
1903	Traffic Signal Control Under Mixed Traffic With Connected and Automated Vehicles: A Transfer-Based Deep Reinforcement Learning Approach. IEEE Access, 2021, 9, 145228-145237.	2.6	11
1904	A Look-ahead Lane Change Scheme for Efficient Driving in Freeway Traffic. IFAC-PapersOnLine, 2021, 54, 406-409.	0.5	1
1905	SMART: Simultaneous Multi-Agent Recurrent Trajectory Prediction. Lecture Notes in Computer Science, 2020, , 463-479.	1.0	8
1906	A Geostatistical Approach to Traffic Flow Reconstruction from Sparse Floating-Car Data. Springer Proceedings in Physics, 2020, , 441-447.	0.1	0

#	ARTICLE	IF	CITATIONS
1907	Environmental performance evaluation in developing the plan of coordination of an isolated intersection. E3S Web of Conferences, 2020, 193, 02009.	0.2	1
1908	Robustness Analysis of Car-Following Models for Full Speed Range ACC Systems. Springer Proceedings in Physics, 2020, , 571-581.	0.1	0
1909	Autonomous Vehicles as Local Traffic Optimizers. Lecture Notes in Computer Science, 2020, , 499-512.	1.0	0
1910	Learning to falsify automated driving vehicles with prior knowledge. IFAC-PapersOnLine, 2020, 53, 15122-15127.	0.5	4
1911	Mixed Traffic Simulation of Cars and Pedestrians for Transportation Policy Assessment. Modeling and Simulation in Science, Engineering and Technology, 2020, , 199-222.	0.4	5
1912	The HighD Dataset: Is This Dataset Suitable for Calibration of Vehicular Traffic Models?. Springer Proceedings in Physics, 2020, , 523-529.	0.1	1
1913	Criticality Measures to Evaluate the Triggering Decision of Collision Avoidance Functions at Intersections. Journal of Traffic and Logistics Engineering, 2020, , 63-72.	0.3	1
1914	TrafficSim: Learning to Simulate Realistic Multi-Agent Behaviors. , 2021, , .		62
1915	MP3: A Unified Model to Map, Perceive, Predict and Plan. , 2021, , .		89
1916	SceneGen: Learning to Generate Realistic Traffic Scenes. , 2021, , .		24
1917	Detection and Mitigation of Safety Critical Lane Changes in Partially-Connected Vehicles. , 2021, , .		1
1918	LiDAR-based Object Detection Failure Tolerated Autonomous Driving Planning System. , 2021, , .		8
1919	A DNN Based Driving Scheme for Anticipatory Car Following Using Road-Speed Profile. , 2021, , .		2
1920	Efficient Sampling in POMDPs with Lipschitz Bandits for Motion Planning in Continuous Spaces. , 2021, , .		0
1921	Generating and Characterizing Scenarios for Safety Testing of Autonomous Vehicles. , 2021, , .		11
1922	Can You Trust Your Autonomous Car? Interpretable and Verifiably Safe Reinforcement Learning. , 2021, , .		10
1923	Estimation of Fuel Economy on Real-World Routes for Next-Generation Connected and Automated Hybrid Powertrains. , 0, , .		15
1924	Meta Reinforcement Learning-Based Lane Change Strategy for Autonomous Vehicles. , 2021, , .		9

#	ARTICLE	IF	CITATIONS
1925	Risk-Aware Lane Selection on Highway with Dynamic Obstacles. , 2021, , .		1
1926	Analysis of the Generalized Intelligent Driver Model (GIDM) for merging situations. , 2021, , .		1
1927	Ad-hoc platoon formation and dissolution strategies for multi-lane highways. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 161-173.	2.6	3
1928	Incorporating Multi-Modal Travel Planning into an Agent-Based Model: A Case Study at the Train Station Kellinghusenstra�e in Hamburg. Land, 2021, 10, 1179.	1.2	3
1929	Delay margin comparison in a velocity-only versus headway-only connected vehicle model. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182110555.	0.7	0
1930	Flow-aware platoon formation of Connected Automated Vehicles in a mixed traffic with human-driven vehicles. Transportation Research Part C: Emerging Technologies, 2021, 133, 103442.	3.9	25
1931	Modeling and Simulation of Heterogeneous Traffic Flow in the Vicinity of Intersections Considering Communication Delay. , 2020, , .		1
1932	Overview of Mobile Ad Hoc Networks and their Modeling. , 0, , 96-117.		1
1933	P2P Streaming over MANET and VANET. , 0, , 119-161.		0
1934	Robust Video Streaming over MANET and VANET. Advances in Multimedia and Interactive Technologies Book Series, 0, , 170-200.	0.1	1
1940	Traffic and granular flow: the role of data and technology in the understanding of particle dynamics. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 535-538.	2.6	2
1941	A minority of self-organizing autonomous vehicles significantly increase freeway traffic flow. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 414001.	0.7	6
1942	Intelligent back-looking distance driver model and stability analysis for connected and automated vehicles. Journal of Central South University, 2020, 27, 3499-3512.	1.2	12
1943	Anti-Jerk On-Ramp Merging Using Deep Reinforcement Learning. , 2020, , .		28
1944	Efficient Motion Planning for Automated Lane Change based on Imitation Learning and Mixed-Integer Optimization. , 2020, , .		11
1945	Tactical Decision-Making for Autonomous Driving Using Dueling Double Deep Q Network With Double Attention. IEEE Access, 2021, 9, 151983-151992.	2.6	13
1946	SUFI: A Simulation-based Fault Injection Tool for Safety Evaluation of Advanced Driver Assistance Systems Modelled in SUMO. , 2021, , .		7
1947	A Lane Changing Model Based on Imitation Learning and Gaussian Velocity Fields. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1948	Jamming and Anti-Jamming Strategies of Mobile Vehicles. Electronics (Switzerland), 2021, 10, 2772.	1.8	2
1949	Identifiability of car-following dynamics. Physica D: Nonlinear Phenomena, 2022, 430, 133090.	1.3	1
1950	Analysis and comparison of traffic flow models: a new hybrid traffic flow model vs benchmark models. European Transport Research Review, 2021, 13, .	2.3	18
1951	Modelling multi-lane heterogeneous traffic flow with human-driven, automated, and communicating automated vehicles. Physica A: Statistical Mechanics and Its Applications, 2022, 589, 126629.	1.2	14
1952	Modelling integrated movements of motorcycles at urban merge sections under mixed traffic conditions. Transportmetrica B, 2022, 10, 441-467.	1.4	3
1953	Cyber-physical description and CPS-based pinning approach of mixed traffic. IET Intelligent Transport Systems, 2022, 16, 344-362.	1.7	1
1954	Using Graph-Theoretic Machine Learning to Predict Human Driver Behavior. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2572-2585.	4.7	7
1955	Battery Aging-Aware Online Optimal Control: An Energy Management System for Hybrid Electric Vehicles Supported by a Bio-Inspired Velocity Prediction. IEEE Access, 2021, 9, 164394-164416.	2.6	3
1956	Look-Ahead Driving Schemes for Efficient Control of Automated Vehicles on Urban Roads. IEEE Transactions on Vehicular Technology, 2022, 71, 1280-1292.	3.9	4
1957	An Online Evolving Method For a <i>Safe</i> and <i>Fast</i> Automated Vehicle Control System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5723-5735.	5.9	3
1958	Autonomous Vehicle Evaluation: A Comprehensive Survey on Modeling and Simulation Approaches. IEEE Access, 2021, 9, 151531-151566.	2.6	22
1959	Scenario-Based Test Automation for Highly Automated Vehicles: A Review and Paving the Way for Systematic Safety Assurance. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14088-14103.	4.7	25
1960	A Hybrid Rule-Based and Data-Driven Approach to Driver Modeling Through Particle Filtering. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13055-13068.	4.7	3
1961	Operational Characteristics of Mixed-Autonomy Traffic Flow on the Freeway With On- and Off-Ramps and Weaving Sections: An RL-Based Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13512-13525.	4.7	12
1962	Adaptive Design of Experiments for Safety Evaluation of Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14497-14508.	4.7	7
1963	Risk Quantification for Automated Driving Systems in Real-World Driving Scenarios. IEEE Access, 2021, 9, 168953-168970.	2.6	13
1964	Parameterized Derivative-free Optimization Approach for Car-following Model Calibration. IFAC-PapersOnLine, 2021, 54, 876-881.	0.5	1
1965	Cooperative Driving in Mixed Traffic: An Infrastructure-Assisted Approach. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 429-447.	2.6	7

#	ARTICLE	IF	CITATIONS
1966	Socially Compatible Control Design of Automated Vehicle in Mixed Traffic. , 2022, 6, 1730-1735.		5
1967	A suggestion-based fuel efficient control framework for connected and automated vehicles in heterogeneous urban traffic. Transportation Research Part C: Emerging Technologies, 2022, 134, 103476.	3.9	4
1968	A Bibliometric Overview of IEEE Transactions on Intelligent Transportation Systems (2000â€“2021). IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14066-14087.	4.7	3
1969	Traffic congestion propagation inference using dynamic Bayesian graph convolution network. Transportation Research Part C: Emerging Technologies, 2022, 135, 103526.	3.9	22
1970	Multilevel and holonic model for dynamic holarchy management: Application to large-scale road traffic. Engineering Applications of Artificial Intelligence, 2022, 109, 104622.	4.3	3
1971	Do cut-ins matter: Assessing the impact of lane changing and string stability on traffic flow. , 2020, , .		1
1972	Effects of Controller Heterogeneity on Autonomous Vehicle Traffic. , 2020, , .		3
1973	Reinforcement Learning with Iterative Reasoning for Merging in Dense Traffic. , 2020, , .		21
1974	Discovering Avoidable Planner Failures of Autonomous Vehicles using Counterfactual Analysis in Behaviorally Diverse Simulation. , 2020, , .		4
1975	Prediction Error Reduction of Neural Networks for Car-Following Using Multi-Step Training. , 2020, , .		3
1976	Interpretable Driver Models Discovery in Data. , 2020, , .		0
1977	Adaptive Design of Experiments for Accelerated Safety Evaluation of Automated Vehicles. , 2020, , .		4
1978	Using Sum-Product Networks for the Generation of Vehicle Populations On Highway Sections. , 2020, , .		2
1979	Adaptive Stress Testing without Domain Heuristics using Go-Explore. , 2020, , .		7
1980	Scalable Autonomous Vehicle Safety Validation through Dynamic Programming and Scene Decomposition. , 2020, , .		5
1981	A Time- and Energy-Optimal Routing Strategy for Electric Vehicles with Charging Constraints. , 2020, , .		5
1982	Spatial Attention for Autonomous Decision-making in Highway Scene. , 2020, , .		4
1983	Scalable Generation of Statistical Evidence for the Safety of Automated Vehicles by the Use of Importance Sampling. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
1984	Interpretable Safety Validation for Autonomous Vehicles. , 2020, , .		11
1985	Validating SuperHuman Automated Driving Performance. , 2020, , .		0
1986	Flexible Stochastic Microscopic Traffic Model for ADAS Testing. , 2020, , .		2
1987	Development of A Stochastic Traffic Environment with Generative Time-Series Models for Improving Generalization Capabilities of Autonomous Driving Agents. , 2020, , .		1
1988	Sensitivity Analysis of a Planning Algorithm Considering Uncertainties. , 2020, , .		2
1989	Infusing Reachability-Based Safety into Planning and Control for Multi-agent Interactions. , 2020, , .		8
1990	BARK: Open Behavior Benchmarking in Multi-Agent Environments. , 2020, , .		17
1991	A New Approach for Tactical Decision Making in Lane Changing: Sample Efficient Deep Q Learning with a Safety Feedback Reward. , 2020, , .		13
1992	Domain Specific Language of Traffic Flow Factor Framework. , 2020, , .		0
1993	Evaluating Traffic Flow Effects of Cooperative Adaptive Cruise Control based on Enhanced Microscopic Simulation. , 2020, , .		1
1994	A Decentralized Strategy for Cooperative Driving among Autonomous Cars at Lane Closures. , 2020, , .		1
1995	STUDY OF FLOW DYNAMICS IN THE MODEL OF CARGO TRANSPORTATION ORGANIZATION BETWEEN NODE STATIONS. International Journal of Applied Mathematics, 2020, 33, .	0.2	0
1996	Anomaly Detection in Connected and Automated Vehicles using an Augmented State Formulation. , 2020, , .		6
1997	Hierarchical Joint Control for Urban Mixed-Autonomy Traffic Optimization. , 2020, , .		0
1998	Trajectory Planning for Automated Driving in Intersection Scenarios Using Driver Models. , 2020, , .		4
1999	Energy-efficient powertrain control of an automated and connected power-split HEV in an urban environment. IFAC-PapersOnLine, 2021, 54, 350-355.	0.5	1
2000	Attack Modeling Methodology and Taxonomy for Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13255-13264.	4.7	1
2002	ScGene: Bio-Inspired Traffic Scenario Generation for Autonomous Driving Testing. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14859-14874.	4.7	3

#	ARTICLE	IF	CITATIONS
2003	Interaction Models for Merging and Cut-in Scenarios. , 2021, , .		0
2004	Learning to Drive from Observations while Staying Safe. , 2021, , .		0
2006	Q-learning with Long-term Action-space Shaping to Model Complex Behavior for Autonomous Lane Changes. , 2021, , .		1
2007	DeepSIL: A Software-in-the-Loop Framework for Evaluating Motion Planning Schemes Using Multiple Trajectory Prediction Networks. , 2021, , .		4
2008	Cooperative Autonomous Vehicles that Sympathize with Human Drivers. , 2021, , .		18
2009	Finding Failures in High-Fidelity Simulation using Adaptive Stress Testing and the Backward Algorithm. , 2021, , .		8
2010	Shock Wave Mitigation in Multi-lane Highways using Vehicle-to-Vehicle Communication. , 2021, , .		4
2011	Diverse Critical Interaction Generation for Planning and Planner Evaluation. , 2021, , .		4
2012	Minimizing Safety Interference for Safe and Comfortable Automated Driving with Distributional Reinforcement Learning. , 2021, , .		11
2013	Joint Optimization of Resource Scheduling and Mobility for UAV-Assisted Vehicle Platoons. , 2021, , .		3
2014	Maneuver Based Modeling of Driver Decision Making using Game-Theoretic Planning. , 2021, , .		2
2015	Automated driving transmission model of mixed traffic flow and simulation. , 2021, , .		0
2016	Research on decision-making of lane-changing of automated vehicles in highway confluence area based on deep reinforcement learning. , 2021, , .		2
2017	Safety-Aware Adversarial Inverse Reinforcement Learning for Highway Autonomous Driving. ASME Journal of Autonomous Vehicles and Systems, 2021, 1, .	0.6	2
2018	Formulating Connected Automated Vehicle Dynamics under Cyberattacks Based on the Spring-Mass System. , 2021, , .		1
2019	Car-Following Model with Automatic Reaction Delay Estimation: An Attention-Based Ensemble Learning Methodology. Scientific Programming, 2022, 2022, 1-10.	0.5	1
2020	Fuel Consumption and Traffic Emissions Evaluation of Mixed Traffic Flow with Connected Automated Vehicles at Multiple Traffic Scenarios. Journal of Advanced Transportation, 2022, 2022, 1-14.	0.9	6
2021	Velocity Obstacle-Based Collision Avoidance and Motion Planning Framework for Connected and Automated Vehicles. Transportation Research Record, 2022, 2676, 748-766.	1.0	6

#	ARTICLE	IF	CITATIONS
2022	Impact of Penetrations of Connected and Automated Vehicles on Lane Utilization Ratio. Sustainability, 2022, 14, 474.	1.6	5
2023	Safety Effects of Connected and Automated Vehicle-Based Variable Speed Limit Control near Freeway Bottlenecks considering Driver's Heterogeneity. Journal of Advanced Transportation, 2022, 2022, 1-16.	0.9	0
2024	A Novel Asymmetric Car Following Model for Driver-Assist Enabled Vehicle Dynamics. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15696-15706.	4.7	20
2025	Hybrid Reinforcement Learning-Based Eco-Driving Strategy for Connected and Automated Vehicles at Signalized Intersections. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15850-15863.	4.7	48
2026	Adaptive Cruise Control with Look-Ahead Anticipation for Driving on Freeways. Applied Sciences (Switzerland), 2022, 12, 929.	1.3	10
2027	Intelligent Simulation Method of Bridge Traffic Flow Load Combining Machine Vision and Weigh-in-Motion Monitoring. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15313-15328.	4.7	10
2028	Solutions to the routing problem: towards trustworthy autonomous vehicles. Artificial Intelligence Review, 2022, 55, 5445-5484.	9.7	3
2029	Overtaking decision and trajectory planning in highway via hierarchical architecture of conditional state machine and chance constrained model predictive control. Robotics and Autonomous Systems, 2022, 151, 104014.	3.0	10
2030	Mechanical System Inspired Microscopic Traffic Model: Modeling, Analysis, and Validation. IEEE Transactions on Intelligent Vehicles, 2023, 8, 301-312.	9.4	6
2031	Spatiotemporal Costmap Inference for MPC Via Deep Inverse Reinforcement Learning. IEEE Robotics and Automation Letters, 2022, 7, 3194-3201.	3.3	11
2032	A refined cellular automaton model with dual cruise-control limit for reproducing synchronized traffic flow. International Journal of Modern Physics C, 0, , .	0.8	1
2033	Modelling Uncertainties for Automated and Connected Vehicles in Mixed Traffic. SSRN Electronic Journal, 0, , .	0.4	0
2035	Investigating the Impact of Connected and Automated Vehicles on Signalized and Unsignalized Intersections Safety in Mixed Traffic. Future Transportation, 2022, 2, 24-40.	1.3	24
2036	The Lord of the Ring Road: A Review and Evaluation of Autonomous Control Policies for Traffic in a Ring Road. ACM Transactions on Cyber-Physical Systems, 2022, 6, 1-25.	1.9	10
2037	Car-Following Dynamics, Characteristics, and Model Based on Interaction Potential Function. Journal of Advanced Transportation, 2022, 2022, 1-11.	0.9	0
2038	Reinforcement Learning-Based Control of Signalized Intersections Having Platoons. IEEE Access, 2022, 10, 17683-17696.	2.6	6
2039	Fitting Empirical Fundamental Diagrams of Road Traffic: A Comprehensive Review and Comparison of Models Using an Extensive Data Set. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14104-14127.	4.7	17
2040	Research on Car-Following Model considering Driving Style. Mathematical Problems in Engineering, 2022, 2022, 1-9.	0.6	5

#	ARTICLE	IF	CITATIONS
2041	A comparative study of energy-efficient driving strategy for connected internal combustion engine and electric vehicles at signalized intersections. <i>Applied Energy</i> , 2022, 310, 118524.	5.1	15
2042	Joint Optimization of Sensing, Decision-Making and Motion-Controlling for Autonomous Vehicles: A Deep Reinforcement Learning Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 4642-4654.	3.9	22
2043	Graph-Based Spatial-Temporal Convolutional Network for Vehicle Trajectory Prediction in Autonomous Driving. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 17654-17665.	4.7	54
2044	Electric Vehicle Velocity and Energy Consumption Predictions Using Transformer and Markov-Chain Monte Carlo. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 3836-3847.	5.3	17
2045	ESTIMATION OF THE TRAFFIC SITUATION IN THE SIGNALIZED INTERSECTION USING VEHICLE TRAJECTORY DATA. <i>Journal of Japan Society of Civil Engineers, Ser F3 (Civil Engineering Informatics)</i> , 2022, 78, I_65-I_72.	0.2	0
2046	Trajectory Jerking Suppression for Mixed Traffic Flow at a Signalized Intersection: A Trajectory Prediction Based Deep Reinforcement Learning Method. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 18989-19000.	4.7	7
2047	Autonomous Vehicle Cut-In Algorithm for Lane-Merging Scenarios via Policy-Based Reinforcement Learning Nested Within Finite-State Machine. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 17594-17606.	4.7	23
2048	Vehicle Trajectory Reconstruction at Signalized Intersections Under Connected and Automated Vehicle Environment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 17986-18000.	4.7	10
2049	Sampling-Based Model Predictive Control Focusing on the Asymmetry of Kullback-Leibler Divergence. <i>Journal of the Robotics Society of Japan</i> , 2022, 40, 174-177.	0.0	0
2050	Trajectory-Based Embedding for Random Coefficients of a Theory-Based Car-Following Model. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2051	Highway Decision-Making and Motion Planning for Autonomous Driving via Soft Actor-Critic. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 4706-4717.	3.9	29
2052	Scenario Parameter Generation Method and Scenario Representativeness Metric for Scenario-Based Assessment of Automated Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 18794-18807.	4.7	18
2054	Scenario Understanding and Motion Prediction for Autonomous Vehicles—Review and Comparison. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 16962-16982.	4.7	27
2055	On Structural and Safety Properties of Head-to-Tail String Stability in Mixed Platoons. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 6614-6626.	4.7	7
2056	Learning Interaction-Aware Guidance for Trajectory Optimization in Dense Traffic Scenarios. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 18808-18821.	4.7	5
2057	Multi-Technology Cooperative Driving: An Analysis Based on PLEXE. <i>IEEE Transactions on Mobile Computing</i> , 2023, 22, 4792-4806.	3.9	19
2058	Data-Driven Risk-Sensitive Control for Personalized Lane Change Maneuvers. <i>IEEE Access</i> , 2022, 10, 36397-36415.	2.6	4
2059	Combining Decision Making and Trajectory Planning for Lane Changing Using Deep Reinforcement Learning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 16110-16136.	4.7	11

#	ARTICLE	IF	CITATIONS
2060	Personalized highway pilot assist considering leading vehicle's lateral behaviors. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2023, 237, 1146-1159.	1.1	2
2061	Positive risk balance: a comprehensive framework to ensure vehicle safety. Ethics and Information Technology, 2022, 24, 1.	2.3	7
2062	Analysis of Driver Behavior and Intervehicular Collision: A Data-Based Traffic Modeling and Simulation Approach. Journal of Advanced Transportation, 2022, 2022, 1-20.	0.9	1
2063	Mobility Models for Internet of Vehicles: A Survey. Wireless Personal Communications, 2022, 125, 1857-1881.	1.8	8
2064	Modelling personalised car-following behaviour: a memory-based deep reinforcement learning approach. Transportmetrica A: Transport Science, 2024, 20, .	1.3	10
2065	A deep reinforcement learning-based distributed connected automated vehicle control under communication failure. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 2033-2051.	6.3	25
2066	Improving car-following model to capture unobserved driver heterogeneity and following distance features in fog condition. Transportmetrica A: Transport Science, 2024, 20, .	1.3	8
2067	Data-Driven Adaptive Equivalent Consumption Minimization Strategy for Hybrid Electric and Connected Vehicles. Applied Sciences (Switzerland), 2022, 12, 2705.	1.3	3
2068	Graph attention network for Car-following Model under game between desired and real state. IET Intelligent Transport Systems, 2022, 16, 800-812.	1.7	4
2069	Multi-agent reinforcement learning for cooperative lane changing of connected and autonomous vehicles in mixed traffic. Autonomous Intelligent Systems, 2022, 2, 1.	2.0	31
2070	Green Light Optimized Speed Advisory (GLOSA) with Traffic Preview. , 0, , .		0
2071	Lane Change Decision Algorithm Based on Deep Q Network for Autonomous Vehicles. , 0, , .		3
2072	Virtual Verification of Decision Making and Motion Planning Functionalities for Automated Vehicles in Urban Edge Case Scenarios. SAE International Journal of Advances and Current Practices in Mobility, 0, 4, 2135-2146.	2.0	3
2073	An integrated car-following and lane changing vehicle trajectory prediction algorithm based on a deep neural network. Physica A: Statistical Mechanics and Its Applications, 2022, 599, 127303.	1.2	25
2074	B-GAP: Behavior-Rich Simulation and Navigation for Autonomous Driving. IEEE Robotics and Automation Letters, 2022, 7, 4718-4725.	3.3	11
2075	Research on eco-driving optimization of hybrid electric vehicle queue considering the driving style. Journal of Cleaner Production, 2022, 343, 130985.	4.6	25
2076	An analytical solution to traffic loads on long span bridges. Probabilistic Engineering Mechanics, 2022, 68, 103244.	1.3	1
2077	Longitudinal control for person-following robots. Journal of Intelligent and Connected Vehicles, 2022, 5, 88-98.	3.6	6

#	ARTICLE	IF	CITATIONS
2078	A novel hierarchical cooperative merging control model of connected and automated vehicles featuring flexible merging positions in system optimization. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 138, 103650.	3.9	7
2079	Cooperative signal-free intersection control using virtual platooning and traffic flow regulation. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 138, 103610.	3.9	28
2080	Managing lane-changing of algorithm-assisted drivers. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 138, 103586.	3.9	1
2081	Network traffic instability with automated driving and cooperative merging. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 138, 103626.	3.9	15
2082	Trustworthy safety improvement for autonomous driving using reinforcement learning. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 138, 103656.	3.9	18
2083	A multi-cell Cellular Automata model of traffic flow with emergency vehicles: Effect of a corridor of life and drivers' behaviour. <i>Journal of Computational Science</i> , 2022, 61, 101628.	1.5	5
2084	Connected and automated vehicle platoon maintenance under communication failures. <i>Vehicular Communications</i> , 2022, 35, 100467.	2.7	8
2085	Driving strategy of connected and autonomous vehicles based on multiple preceding vehicles state estimation in mixed vehicular traffic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 596, 127154.	1.2	18
2086	Cellular automaton model with the multi-anticipative effect to reproduce the empirical findings of Kerner's three-phase traffic theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 596, 127162.	1.2	5
2087	Analysis of linear internal stability for mixed traffic flow of connected and automated vehicles considering multiple influencing factors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 597, 127211.	1.2	12
2088	On-Demand Trajectory Prediction Based on Adaptive Interaction Car Following Model with Decreasing Tolerance. , 2021, , .		0
2089	LookOut: Diverse Multi-Future Prediction and Planning for Self-Driving. , 2021, , .		48
2090	Car-Following Model Based Analysis of Mixed Traffic Flow Characteristics. , 2021, , .		0
2091	The Influence of the Characteristics of the Traffic Flow and the Structure of Vehicles on the Energy Consumption and Ecological Safety of Passenger Transportation : case of Vologda, Russia. , 2021, , .		5
2092	Highway On-Ramp Merging for Mixed Traffic: Recent Advances and Future Trends. , 2021, , .		0
2093	SPSC: An Efficient, General-Purpose Execution Policy for Stochastic Simulations. , 2021, , .		0
2094	Effects of connected and autonomous vehicle merging behavior on mainline human-driven vehicle. <i>Journal of Intelligent and Connected Vehicles</i> , 2022, 5, 36-45.	3.6	20
2095	Eco-driving speed optimization model of urban intelligent connected vehicle platoon considering driver's comfort level. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
2096	Decision-Oriented Driving Scenario Recognition Based on Unsupervised Learning. , 2021, , .		1
2097	Urban Road Traffic Fuel Consumption Optimization via Variable Speed Limits or Signalized Access Control: A Comparative Study. , 2021, , .		1
2098	Controlling the Connected Vehicle with Bi-Directional Information: Improved Car-Following Models and Stability Analysis. Sensors, 2021, 21, 8322.	2.1	4
2099	Using Particle Swarm Optimization to Learn a Lane Change Model for Autonomous Vehicle Merging. , 2021, , .		1
2100	An Improved Cellular Automaton Traffic Model Based on STCA Model Considering Variable Direction Lanes in I-VICS. Sustainability, 2021, 13, 13626.	1.6	2
2101	Calibration of the intelligent driver model (IDM) with adaptive parameters for mixed autonomy traffic using experimental trajectory data. Transportmetrica B, 2022, 10, 421-440.	1.4	9
2102	A Gain With No Pain: Exploring Intelligent Traffic Signal Control for Emergency Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17899-17909.	4.7	10
2103	The Scanner of Heterogeneous Traffic Flow in Smart Cities by an Updating Model of Connected and Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-10.	4.7	1
2104	Recurrent Models for Lane Change Prediction and Situation Assessment. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17284-17300.	4.7	4
2105	Resilient Branching MPC for Multi-Vehicle Traffic Scenarios Using Adversarial Disturbance Sequences. IEEE Transactions on Intelligent Vehicles, 2022, 7, 838-848.	9.4	9
2106	Co-Optimization of On-Ramp Merging and Plug-In Hybrid Electric Vehicle Power Split Using Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 6958-6968.	3.9	7
2107	Variable Cell Transmission Model for Mixed Traffic Flow with Connected Automated Vehicles and Human-Driven Vehicles. Journal of Advanced Transportation, 2022, 2022, 1-15.	0.9	3
2108	Cooperative and Automated Traffic Control. , 2022, , 223-276.		0
2109	Cooperative car-following control with electronic throttle and perceived headway errors on gyroidal roads. Applied Mathematical Modelling, 2022, 108, 770-786.	2.2	29
2110	Emerging trends and influential outsiders of transportation science. Transportation Letters, 2023, 15, 386-422.	1.8	8
2111	Deep reinforcement learning and reward shaping based eco-driving control for automated HEVs among signalized intersections. Energy, 2022, 251, 123924.	4.5	26
2112	Ego-efficient lane changes of connected and automated vehicles with impacts on traffic flow. Transportation Research Part C: Emerging Technologies, 2022, 138, 103478.	3.9	18
2118	Mobility and Traffic Model Analysis for Vehicular Ad-hoc Networks. , 0, , 214-232.		4

#	ARTICLE	IF	CITATIONS
2120	Awareness on Present and Future Trajectory of Vehicle Using Multiple Hypotheses in the Mixed Traffic of Intersection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17690-17703.	4.7	1
2121	Stability Analysis on Traffic Collision Risk. SSRN Electronic Journal, 0, , .	0.4	0
2122	Traffic Control in a Mixed Autonomy Scenario at Urban Intersections: An Optimal Control Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17325-17341.	4.7	4
2123	High-Level Decision Making for Automated Highway Driving via Behavior Cloning. IEEE Transactions on Intelligent Vehicles, 2023, 8, 923-935.	9.4	9
2124	Detecting Driver Cognition Alertness State From Visual Activities in Normal and Emergency Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19497-19510.	4.7	1
2125	Unified Automatic Control of Vehicular Systems With Reinforcement Learning. IEEE Transactions on Automation Science and Engineering, 2023, 20, 789-804.	3.4	6
2126	Robustness and Adaptability of Reinforcement Learning-Based Cooperative Autonomous Driving in Mixed-Autonomy Traffic. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 397-410.	2.6	23
2127	Mitigating Traffic Congestion Due To an Accident with Area-dependent Jam Absorption Driving. , 2022, , .		1
2128	Physical Model versus Artificial Neural Network (ANN) Model: A Comparative Study on Modeling Car-Following Behavior at Signalized Intersections. Journal of Advanced Transportation, 2022, 2022, 1-18.	0.9	4
2129	Vehicle Routing Simulation for Prediction of Commuter's Behaviour. Journal of Advanced Transportation, 2022, 2022, 1-17.	0.9	1
2130	Integrated-Hybrid Framework for Connected and Autonomous Vehicles Microscopic Traffic Flow Modelling. Journal of Advanced Transportation, 2022, 2022, 1-16.	0.9	5
2131	Modeling HDV and CAV Mixed Traffic Flow on a Foggy Two-Lane Highway with Cellular Automata and Game Theory Model. Sustainability, 2022, 14, 5899.	1.6	11
2132	Influence of driving style on traffic flow fuel consumption and emissions based on the field data. Physica A: Statistical Mechanics and Its Applications, 2022, 599, 127520.	1.2	11
2133	A Safe and Efficient Lane Change Decision-Making Strategy of Autonomous Driving Based on Deep Reinforcement Learning. Mathematics, 2022, 10, 1551.	1.1	13
2134	System-size dependence of a jam-absorption driving strategy to remove traffic jam caused by a sag under the presence of traffic instability. Physica A: Statistical Mechanics and Its Applications, 2022, 600, 127512.	1.2	7
2135	Physics-augmented models to simulate commercial adaptive cruise control (ACC) systems. Transportation Research Part C: Emerging Technologies, 2022, 139, 103692.	3.9	16
2136	Modeling a Car-Following Model with Comprehensive Safety Field in Freeway Tunnels. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	0.8	5
2137	Gaussian Process-Based Personalized Adaptive Cruise Control. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21178-21189.	4.7	12

#	ARTICLE	IF	CITATIONS
2138	Personalized Driving Behaviors and Fuel Economy Over Realistic Commute Traffic: Modeling, Correlation, and Prediction. IEEE Transactions on Vehicular Technology, 2022, 71, 7084-7094.	3.9	4
2139	ADAS-RL: Safety learning approach for stable autonomous driving. ICT Express, 2022, 8, 479-483.	3.3	2
2141	Exploring multi-modal evacuation strategies for a landlocked population using large-scale agent-based simulations. International Journal of Geographical Information Science, 2022, 36, 1741-1783.	2.2	1
2142	A rigorous multi-population multi-lane hybrid traffic model for dissipation of waves via autonomous vehicles. European Physical Journal: Special Topics, 2022, 231, 1689-1700.	1.2	3
2143	A Human Factors Approach to Validating Driver Models for Interaction-aware Automated Vehicles. ACM Transactions on Human-Robot Interaction, 2022, 11, 1-21.	3.2	14
2144	Humanizing autonomous vehicle driving: Understanding, modeling and impact assessment. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 87, 477-504.	1.8	6
2145	Empirical and experimental study on the growth pattern of traffic oscillations upstream of fixed bottleneck and model test. Transportation Research Part C: Emerging Technologies, 2022, 140, 103729.	3.9	9
2146	Can automated driving prevent crashes with distracted Pedestrians? An exploration of motion planning at unsignalized Mid-block crosswalks. Accident Analysis and Prevention, 2022, 173, 106711.	3.0	11
2147	Stability analysis of heterogeneous traffic flow influenced by memory feedback control signal. Applied Mathematical Modelling, 2022, 109, 693-708.	2.2	25
2148	Distributed Connected Automated Vehicles Control Under Real-Time Aggregated Macroscopic Car-Following Behavior Estimation Based on Deep Reinforcement Learning. SSRN Electronic Journal, 0, , .	0.4	0
2149	Lane Changing Decision Rule with the Difference of Traffic Flow's Variation in Multi-Lane Highway for Connected and Autonomous Vehicles. SSRN Electronic Journal, 0, , .	0.4	1
2150	Predicting Highway Lane-Changing Maneuvers: A Benchmark Analysis of Machine and Ensemble Learning Algorithms. SSRN Electronic Journal, 0, , .	0.4	2
2151	Event-Driven Energy-Efficient Driving Control in Urban Traffic for Connected Electric Vehicles. IEEE Transactions on Transportation Electrification, 2023, 9, 99-113.	5.3	4
2153	A multilane traffic and collision generator for IoV. Simulation Modelling Practice and Theory, 2022, , 102588.	2.2	0
2154	Multi-Agent Reinforcement Learning-Based Autonomous Intersection Management Protocol with Attention Mechanism. , 2022, , .		2
2155	A New Driver Model Based on Driver Response. Applied Sciences (Switzerland), 2022, 12, 5390.	1.3	12
2156	Decision Making for Self-Driving Vehicles in Unexpected Environments Using Efficient Reinforcement Learning Methods. Electronics (Switzerland), 2022, 11, 1685.	1.8	1
2157	Automated vehicles in swarm configuration: Simulation and analysis. Neurocomputing, 2022, 501, 679-693.	3.5	4

#	ARTICLE	IF	CITATIONS
2158	Incorporation of Human Factors to a Data-Driven Car-Following Model. <i>Transportation Research Record</i> , 2022, 2676, 291-302.	1.0	0
2159	Multi-Modal Vehicle Trajectory Prediction by Collaborative Learning of Lane Orientation, Vehicle Interaction, and Intention. <i>Sensors</i> , 2022, 22, 4295.	2.1	6
2160	A Car-Following Model Considering Driver's Instantaneous Reaction Delay in Nonlane-Based Traffic Environments. <i>Journal of Transportation Engineering Part A: Systems</i> , 2022, 148, .	0.8	3
2161	Improving Hybrid Vehicle Fuel Efficiency Using Inverse Reinforcement Learning. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2012, 26, 384-390.	3.6	12
2162	Autonomous Driving Policy Continual Learning With One-Shot Disengagement Case. <i>IEEE Transactions on Intelligent Vehicles</i> , 2023, 8, 1380-1391.	9.4	5
2163	Location-Dependent Car-Following Model for Evaluating Lighting-Related Bottlenecks in Daytime of a Long Road Tunnel. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2164	Characterizing Heterogeneous Traffic Flow at a Slope Bottleneck via Cellular Automaton Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 6507-6516.	4.7	2
2165	Location-Dependent Car-Following Model for Evaluating Lighting-Related Bottlenecks in Daytime of a Long Road Tunnel. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2166	Transfer Learning Based Long Short-Term Memory Car-Following Model for Adaptive Cruise Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 21345-21359.	4.7	3
2168	Improving Automated Driving Through POMDP Planning With Human Internal States. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 20073-20083.	4.7	8
2169	A Distributed Platoon Control Framework for Connected Automated Vehicles in an Urban Traffic Network. <i>IEEE Transactions on Control of Network Systems</i> , 2022, 9, 1717-1730.	2.4	11
2170	Controller design for a mixed traffic system travelling at different desired speeds. <i>European Journal of Control</i> , 2022, 68, 100698.	1.6	7
2171	Impact of Cooperative Adaptive Cruise Control on Traffic Stability. <i>Transportation Research Record</i> , 2022, 2676, 226-241.	1.0	6
2172	A Survey on Mixed Traffic Flow Characteristics in Connected Vehicle Environments. <i>Sustainability</i> , 2022, 14, 7629.	1.6	2
2173	Trajectory prediction for heterogeneous traffic-agents using knowledge correction data-driven model. <i>Information Sciences</i> , 2022, 608, 375-391.	4.0	23
2174	Evidence on impacts of automated vehicles on traffic flow efficiency and emissions: Systematic review. <i>IET Intelligent Transport Systems</i> , 2022, 16, 1306-1327.	1.7	4
2175	Assessing the Impacts of Autonomous Vehicles on Road Congestion Using Microsimulation. <i>Sensors</i> , 2022, 22, 4407.	2.1	0
2176	Influence blocking maximization on networks: Models, methods and applications. <i>Physics Reports</i> , 2022, 976, 1-54.	10.3	13

#	ARTICLE	IF	CITATIONS
2177	A bidirectional car-following model considering distance balance between adjacent vehicles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 603, 127606.	1.2	4
2178	State transition-based novel dynamic control algorithm for vehicle-following performance improvement. <i>Applied Mathematical Modelling</i> , 2022, 110, 387-407.	2.2	3
2179	A General Autonomous Driving Planner Adaptive to Scenario Characteristics. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 21228-21240.	4.7	4
2180	Comprehensive Safety Evaluation of Highly Automated Vehicles at the Roundabout Scenario. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 20873-20888.	4.7	6
2181	Synthesis of Output-Feedback Controllers for Mixed Traffic Systems in Presence of Disturbances and Uncertainties. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 6450-6462.	4.7	6
2182	Dynamic Manager Selection Assisted Resource Allocation in URLLC With Finite Block Length for 5G-V2X Platoons. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 11336-11350.	3.9	4
2183	HR-Planner: A Hierarchical Highway Tactical Planner based on Residual Reinforcement Learning. , 2022, , .		0
2184	Control-Aware Prediction Objectives for Autonomous Driving. , 2022, , .		2
2185	Road Intersection Coordination Scheme for Mixed Traffic (Human-Driven and Driverless Vehicles): A Systematic Review. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-15.	0.9	2
2186	Modeling and Simulation of Traffic Congestion for Mixed Traffic Flow with Connected Automated Vehicles: A Cell Transmission Model Approach. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-20.	0.9	5
2187	Use of an Improved Car-Following Model to Explain the Influence of Traffic Composition on Saturation Headway at Signalized Intersections. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-20.	0.9	0
2188	A Realistic Cyclist Model for SUMO Based on the SimRa Dataset. , 2022, , .		2
2189	A personalized and emotion based virtual simulation model for pedestrian-vehicle collision avoidance. <i>Computer Animation and Virtual Worlds</i> , 2022, 33, .	0.7	1
2190	Modeling and stability analysis of cyberattack effects on heterogeneous intelligent traffic flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127941.	1.2	23
2191	Energy and mobility impacts of connected autonomous vehicles with co-optimization of speed and powertrain on mixed vehicle platoons. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 142, 103764.	3.9	14
2192	Managing merging from a CAV lane to a human-driven vehicle lane considering the uncertainty of human driving. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 142, 103775.	3.9	13
2193	A model of lane-changing intention induced by deceleration frequency in an automatic driving environment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127905.	1.2	6
2194	Fundamental diagram and stability of mixed traffic flow considering platoon size and intensity of connected automated vehicles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127857.	1.2	26

#	ARTICLE	IF	CITATIONS
2195	A Holistic Approach to the Energy-Efficient Smoothing of Traffic via Autonomous Vehicles. Springer Optimization and Its Applications, 2022, , 285-316.	0.6	2
2196	Evaluation of Professional Taxi Driversâ€™ Car-Following Behaviour on Capacity of Urban Highway Segments. , 2021, , .		0
2197	Performance Comparison of Adaptive Cruise Control in Mixed Traffic Flow Considering Different Time Headway Policies. , 2021, , .		0
2198	Cooperative Behavior Planning for Automated Driving Using Graph Neural Networks. , 2022, , .		11
2199	Optimization-Based Coordination of Mixed Traffic at Unsignalized Intersections Based on Platooning Strategy. , 2022, , .		5
2200	Driver Behavior Model for the Safety Assessment of Automated Driving. , 2022, , .		6
2201	On Integrating POMDP and Scenario MPC for Planning under Uncertainty â€œ with Applications to Highway Driving. , 2022, , .		3
2202	Limitations and Improvements of the Intelligent Driver Model (IDM). SIAM Journal on Applied Dynamical Systems, 2022, 21, 1862-1892.	0.7	10
2203	Cooperative Maneuver Planning for Mixed Traffic at Unsignalized Intersections Using Probabilistic Predictions. , 2022, , .		5
2204	Hierarchical and Game-Theoretic Decision-Making for Connected and Automated Vehicles in Overtaking Scenarios. SSRN Electronic Journal, 0, , .	0.4	0
2205	Data-Driven Leading Vehicle Speed Forecast and Its Application to Ecological Predictive Cruise Control. IEEE Transactions on Vehicular Technology, 2022, 71, 11504-11514.	3.9	6
2206	Risk Assessment of Highly Automated Vehicles with Naturalistic Driving Data: A Surrogate-based optimization Method. , 2022, , .		6
2207	Ergodicity of Stochastic Component for DSM - Multi-Lane Traffic Model. , 2022, , .		0
2208	Performance Analysis of Vehicle Platoon Communication in C-V2X Autonomous Mode. , 2022, , .		1
2209	Non-local Evasive Overtaking of Downstream Incidents in Distributed Behavior Planning of Connected Vehicles. , 2022, , .		2
2210	HMIway-env: A Framework for Simulating Behaviors and Preferences to Support Human-AI Teaming in Driving. , 2022, , .		1
2211	Modeling Driver Behavior using Adversarial Inverse Reinforcement Learning. , 2022, , .		6
2212	Analysis on Effects of Driving Behavior on Freeway Traffic Flow: A Comparative Evaluation of Two Driver Profiles Using Two Car-Following Models. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
2213	Tackling Real-World Autonomous Driving using Deep Reinforcement Learning. , 2022, , .		3
2214	Cooperative Multi-Lane Shock Wave Detection and Dissipation via Local Communication. , 2022, , .		2
2215	Enhancing SUMO simulator for simulation based testing and validation of autonomous vehicles. , 2022, , .		14
2216	Cooperative Platooning with Mixed Traffic on Urban Arterial Roads. , 2022, , .		2
2217	CogMod: Simulating Human Information Processing Limitation While Driving. , 2022, , .		1
2218	Model-Based Reinforcement Learning for Advanced Adaptive Cruise Control: A Hybrid Car Following Policy. , 2022, , .		5
2219	Group-Based Dimensionality Reduction and Estimation for Heterogeneous Large-Scale Traffic Networks. , 2022, , .		0
2220	Driver-in-the-Loop Contingency MPC with Invariant Sets. , 2022, , .		0
2221	Learning Eco-Driving Strategies at Signalized Intersections. , 2022, , .		10
2222	Deep Reinforcement Learning Approach for Automated Vehicle Mandatory Lane Changing. Transportation Research Record, 2023, 2677, 712-724.	1.0	2
2223	Learning Micro-Macro Models for Traffic Control Using Microscopic Data. , 2022, , .		0
2224	Developing Car-Following Models for Winter Maintenance Operations Incorporating Machine Learning Methods. Transportation Research Record, 2023, 2677, 519-540.	1.0	2
2225	Controlling the Mobility of Ionic Liquids in the Nanopores of MOFs by Adjusting the Pore Size: From Conduction Collapse by Mutual Pore Blocking to Unhindered Ion Transport. Small, 2022, 18, .	5.2	4
2226	The effect of the speed limit zone on the dissipation energy: a synchronized traffic flow model. International Journal of Modern Physics C, 0, , .	0.8	0
2227	Velocity Prediction Based on Map Data for Optimal Control of Electrified Vehicles Using Recurrent Neural Networks (LSTM). Vehicles, 2022, 4, 808-824.	1.7	4
2228	A review on cooperative perception and control supported infrastructure-vehicle system. , 2022, 1, 100023.		16
2229	Safety Benefits of Automated Speed Advisory Systems at Signalized Intersections. Transportation Research Record, 0, , 036119812211157.	1.0	0
2230	Stability Analysis of Heterogeneous Traffic Flow with Connected and Automated Vehicles: Joint Consideration of Communication Failures and Driver Takeover. Journal of Advanced Transportation, 2022, 2022, 1-23.	0.9	5

#	ARTICLE	IF	CITATIONS
2231	Developing a Variable Speed Limit Control Strategy for Mixed Traffic Flow Based on Car-Following Collision Avoidance Theory. <i>Mathematics</i> , 2022, 10, 2987.	1.1	0
2232	Defensive or competitive Autonomous Vehicles: Which one interacts safely and efficiently with pedestrians?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 606, 128083.	1.2	1
2233	Developing dynamic speed limit strategies for mixed traffic flow to reduce collision risks at freeway bottlenecks. <i>Accident Analysis and Prevention</i> , 2022, 175, 106781.	3.0	6
2234	Operation analysis of freeway mixed traffic flow based on catch-up coordination platoon. <i>Accident Analysis and Prevention</i> , 2022, 175, 106780.	3.0	41
2235	Investigating the Effect of Emerging Vehicle Technologies on Longitudinal Traffic Safety. <i>Journal of Transportation Engineering Part A: Systems</i> , 2022, 148, .	0.8	1
2236	Empirical and simulation study on traffic oscillation characteristic using floating car data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 605, 127973.	1.2	2
2237	A Design Live Load Model for Long-Span Bridges Based on Traffic Data and Simulations. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2022, 8, .	1.1	0
2238	Behavioral adaptation of drivers when driving among automated vehicles. <i>Journal of Intelligent and Connected Vehicles</i> , 2022, 5, 309-315.	3.6	7
2239	Modeling bounded rationality in discretionary lane change with the quantal response equilibrium of game theory. <i>Transportation Research Part B: Methodological</i> , 2022, 164, 145-161.	2.8	6
2240	Efficiency performance and safety evaluation of the responsibility-sensitive safety in freeway car-following scenarios using automated longitudinal controls. <i>Accident Analysis and Prevention</i> , 2022, 177, 106799.	3.0	2
2241	Integrated eco-driving automation of intelligent vehicles in multi-lane scenario via model-accelerated reinforcement learning. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 144, 103863.	3.9	4
2242	Predictive longitudinal following control for ship platoon considering diesel engine driven propeller reversal. <i>Ocean Engineering</i> , 2022, 263, 112231.	1.9	5
2243	Fast warm-start of F-MPC strategy for automotive cruise control with mode switching. <i>Control Engineering Practice</i> , 2022, 128, 105344.	3.2	4
2244	Developing an improved automatic preventive braking system based on safety-critical car-following events from naturalistic driving study data. <i>Accident Analysis and Prevention</i> , 2022, 178, 106834.	3.0	5
2245	A Hierarchical MPC Approach to Car-Following via Linearly Constrained Quadratic Programming. , 2023, 7, 532-537.		2
2246	Predictive Cruise Controller for Electric Vehicle to Save Energy and Extend Battery Lifetime. <i>IEEE Transactions on Vehicular Technology</i> , 2023, 72, 469-482.	3.9	5
2247	Analysis of the Impact of Variable Speed Limits on Environmental Sustainability and Traffic Performance in Urban Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 21766-21776.	4.7	2
2248	Cooperative Platoon Control of Automated Industrial Vehicles: A Synchronization Approach and Real-World Experiments. <i>IEEE/ASME Transactions on Mechatronics</i> , 2023, 28, 245-256.	3.7	4

#	ARTICLE	IF	CITATIONS
2249	Interaction-Aware Motion Prediction at Highways: A Comparison of Three Lane Changing Models. Communications in Computer and Information Science, 2022, , 274-296.	0.4	2
2250	Social Coordination and Altruism in Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24791-24804.	4.7	24
2251	Comparison of Reaction Time-based Collaborative Velocity Control and Intelligent Driver Model for Agent-based Simulation of Autonomous Car. Procedia Computer Science, 2022, 203, 189-196.	1.2	1
2252	A Physics-Based Longitudinal Driver Model for Automated Vehicles. IEEE Access, 2022, 10, 80883-80899.	2.6	1
2253	On Detecting Drunk Drivers in Mixed Autonomous Platoons Using Vehicles Velocity Measurements. IEEE/ASME Transactions on Mechatronics, 2022, 27, 6006-6017.	3.7	3
2254	A Quantitative Method to Determine What Collisions are Reasonably Foreseeable and Preventable. SSRN Electronic Journal, 0, , .	0.4	1
2255	Fault Tolerance Analysis of Car-Following Models for Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20036-20045.	4.7	2
2256	PNNUAD: Perception Neural Networks Uncertainty Aware Decision-Making for Autonomous Vehicle. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24355-24368.	4.7	9
2257	Road Intersection Coordination Scheme for Mixed Traffic (Human Driven and Driver-Less Vehicles): A Systematic Review. Lecture Notes in Networks and Systems, 2022, , 67-94.	0.5	0
2258	Use of Social Interaction and Intention to Improve Motion Prediction Within Automated Vehicle Framework: A Review. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22807-22837.	4.7	6
2259	Lane-Change in Dense Traffic With Model Predictive Control and Neural Networks. IEEE Transactions on Control Systems Technology, 2023, 31, 646-659.	3.2	3
2260	Exploring the Impact of the Takeover Time for Conditionally Automated Driving Vehicles on Traffic Flow in Highway Merging Area. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24753-24764.	4.7	2
2261	On Connected Autonomous Vehicles With Unknown Human Driven Vehicles Effects Using Transmissibility Operators. IEEE Transactions on Automation Science and Engineering, 2022, , 1-0.	3.4	2
2262	Fuzzy Modeling and Inference for Physics-Aware Road Vehicle Driver Behavior Model Calibration. SSRN Electronic Journal, 0, , .	0.4	2
2263	Toward Adaptive Driving Styles for Automated Driving with Users' Trust and Preferences. , 2022, , .		4
2264	Cautious Merging Assistant. , 2022, , .		0
2265	On String Stability of Mixed Autonomous and Human-driven Vehicle Platoons with Transmissibility-based Health Monitoring. , 2022, , .		1
2266	ScePT: Scene-consistent, Policy-based Trajectory Predictions for Planning. , 2022, , .		18

#	ARTICLE	IF	CITATIONS
2267	Analytical Anticipative Optimal Drivability Car-Following Model [*] , 2022, , .		0
2268	Suggestion-Based Fuel Efficient Control of Connected and Automated Vehicles in A Multi-lane Urban Traffic. , 2022, , .		0
2269	Driver Assistance Eco-driving and Transmission Control with Deep Reinforcement Learning. , 2022, , .		5
2270	Socially Compatible Control Design of Automated Vehicle in Mixed Traffic. , 2022, , .		0
2271	A Decentralized Collaborative Strategy for PTZ Camera Network Tracking System using Graph Learning. , 2022, , .		1
2272	Distributed Adaptive Recommendation & Time-stamp based Estimation of Driver-Behaviour. , 2022, , .		1
2273	Safety-based Reinforcement Learning Longitudinal Decision for Autonomous Driving in Crosswalk Scenarios. , 2022, , .		0
2274	Impact of connected and autonomous vehicles on traffic safety of mixed traffic flow: from the perspective of connectivity and spatial distribution. Transportation Safety and Environment, 2022, 4, .	1.1	1
2275	Bayesian Calibration of Simulation-Based Analysis of Transportation Systems. , 2022, , .		0
2276	A Car-Following Model considering the Effect of Following Vehicles under the Framework of Physics-Informed Deep Learning. Journal of Advanced Transportation, 2022, 2022, 1-12.	0.9	1
2277	Impacts of Cooperative Adaptive Cruise Control Links on Driving Comfort under Vehicle-to-Vehicle Communication. Journal of Advanced Transportation, 2022, 2022, 1-6.	0.9	3
2278	Stability and capacity for heterogeneous traffic flow mixed with vehicles in multiple controls. Transportmetrica B, 2023, 11, 649-682.	1.4	7
2279	Investigating the effects of gradual deployment of market penetration rates (MPR) of connected vehicles on delay time and fuel consumption. Journal of Intelligent and Connected Vehicles, 2022, 5, 188-198.	3.6	9
2280	An enhanced eco-driving strategy based on reinforcement learning for connected electric vehicles: cooperative velocity and lane-changing control. Journal of Intelligent and Connected Vehicles, 2022, 5, 316-332.	3.6	17
2281	Artificially Intelligent Active Safety Systems. Lecture Notes in Intelligent Transportation and Infrastructure, 2023, , 213-254.	0.3	0
2282	A comparison study on the growth pattern of traffic oscillations in car-following experiments. Transportmetrica B, 0, , 1-19.	1.4	0
2283	An integrated two-dimensional merging trajectory optimization model for automated vehicles considering mixed traffic flow. IET Intelligent Transport Systems, 2022, 16, 1768-1793.	1.7	0
2284	A Fuzzy Full Velocity Difference Model Based on Driver's Perception Characteristics. Mathematical Problems in Engineering, 2022, 2022, 1-10.	0.6	0

#	ARTICLE	IF	CITATIONS
2285	Virtual Rings on Highways: Traffic Control by Connected Automated Vehicles. Lecture Notes in Intelligent Transportation and Infrastructure, 2023, , 441-479.	0.3	2
2286	A Car-Following Model for Mixed Traffic Flows in Intelligent Connected Vehicle Environment Considering Driver Response Characteristics. Sustainability, 2022, 14, 11010.	1.6	4
2287	Individual variable speed limit trajectory planning considering stochastic arriving patterns. International Journal of Coal Science and Technology, 2022, 9, .	2.7	2
2288	Robust AI Driving Strategy for Autonomous Vehicles. Lecture Notes in Intelligent Transportation and Infrastructure, 2023, , 161-212.	0.3	0
2289	Dynamic Data-driven Microscopic Traffic Simulation using Jointly Trained Physics-guided Long Short-Term Memory. ACM Transactions on Modeling and Computer Simulation, 2022, 32, 1-27.	0.6	4
2290	Personalized lane change decision algorithm using deep reinforcement learning approach. Applied Intelligence, 2023, 53, 13192-13205.	3.3	5
2291	Crowd Dynamics: Modeling and Control of Multiagent Systems. Annual Review of Control, Robotics, and Autonomous Systems, 2023, 6, 261-282.	7.5	3
2292	Towards Differentiable Agent-Based Simulation. ACM Transactions on Modeling and Computer Simulation, 2022, 32, 1-26.	0.6	1
2294	Calculation of Vehicle Following/Unfollowing Relationship and Its Application in The Automatic Train Operation Control. Academic Journal of Engineering and Technology Science, 2021, 4, .	0.7	1
2296	Learning Game-Theoretic Models of Multiagent Trajectories Using Implicit Layers. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 4950-4958.	3.6	6
2297	Rethinking Closed-Loop Training for Autonomous Driving. Lecture Notes in Computer Science, 2022, , 264-282.	1.0	1
2298	Residual Policy Learning for Powertrain Control. IFAC-PapersOnLine, 2022, 55, 111-116.	0.5	1
2299	Potential Energy Saving of V2V-Connected Vehicles in Large-Scale Traffic. IFAC-PapersOnLine, 2022, 55, 78-83.	0.5	3
2300	Simulation Aided Anticipatory Congestion Avoidance for Warehouses. , 2022, , .		1
2301	Lane change decision-making with active interactions in dense highway traffic: A Bayesian game approach. , 2022, , .		3
2302	Prediction Based Decision Making for Autonomous Highway Driving. , 2022, , .		3
2303	Accelerated Testing for Highly Automated Vehicles: A Combined Method Based on Importance Sampling and Normalizing Flows. , 2022, , .		2
2304	Integrated control of traffic signal and automated vehicles for mixed traffic: Platoon-based bi-level optimization approach. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
2305	A Scalable Last-Mile Delivery Service: From Simulation to Scaled Experiment. , 2022, , .		0
2306	Simulation-based Optimization of Autonomous Driving Behaviors. , 2022, , .		1
2307	Decision-making and Planning Framework with Prediction-Guided Strategy Tree Search Algorithm for Uncontrolled Intersections. , 2022, , .		1
2308	Combining Model-Based Controllers and Generative Adversarial Imitation Learning for Traffic Simulation. , 2022, , .		0
2309	Exploring the trade off between human driving imitation and safety for traffic simulation. , 2022, , .		1
2310	ReCoAt: A Deep Learning-based Framework for Multi-Modal Motion Prediction in Autonomous Driving Application. , 2022, , .		7
2311	Stability and String Stability of Car-Following Models with Reaction-Time Delay. SIAM Journal on Applied Mathematics, 2022, 82, 1661-1679.	0.8	1
2312	A panel data-based discrete-continuous modelling framework to analyze longitudinal driver behavior in homogeneous and heterogeneous disordered traffic conditions. Transportation Letters, 0, , 1-14.	1.8	1
2313	Trajectory reconstruction for mixed traffic flow with regular, connected, and connected automated vehicles on freeway. IET Intelligent Transport Systems, 0, , .	1.7	6
2314	Modeling Human Driver Behaviors When Following Autonomous Vehicles: An Inverse Reinforcement Learning Approach. , 2022, , .		3
2315	Interaction-Aware Game-Theoretic Motion Planning for Automated Vehicles using Bi-level Optimization. , 2022, , .		3
2316	Guiding Belief Space Planning with Learned Models for Interactive Merging. , 2022, , .		0
2317	Review on Functional Testing Scenario Library Generation for Connected and Automated Vehicles. Sensors, 2022, 22, 7735.	2.1	4
2318	Bridging the Gap Between Mesoscopic Transport Planning and Microscopic Traffic Simulation: An Analytical and Numerical Analysis of Traffic Dynamics. Transportation Research Record, 0, , 036119812211282.	1.0	1
2319	An Agent-Based Cellular Automata Model for Urban Road Traffic Flow Considering Connected and Automated Vehicles. Lecture Notes in Electrical Engineering, 2023, , 227-251.	0.3	0
2320	Autonomous Highway Merging in Mixed Traffic Using Reinforcement Learning and Motion Predictive Safety Controller. , 2022, , .		3
2321	Learning energy-efficient driving behaviors by imitating experts. , 2022, , .		1
2322	A Modern Perspective on Safe Automated Driving for Different Traffic Dynamics Using Constrained Reinforcement Learning. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
2323	Identification of Threat Regions From a Dynamic Occupancy Grid Map for Situation-Aware Environment Perception. , 2022, , .		1
2324	Detecting Stealthy Cyberattacks on Automated Vehicles via Generative Adversarial Networks. , 2022, , .		5
2325	Cyber Hierarchy Multiscale Integrated Energy Management of Intelligent Hybrid Electric Vehicles. Automotive Innovation, 0, , .	3.1	2
2326	Analyzing and Enhancing Closed-loop Stability in Reactive Simulation. , 2022, , .		1
2327	Predicting Parameters for Modeling Traffic Participants. , 2022, , .		1
2328	Dynamic Car-following Model Calibration with Deep Reinforcement Learning. , 2022, , .		3
2329	An Enhanced Graph Representation for Machine Learning Based Automatic Intersection Management. , 2022, , .		6
2330	Differentiated Speed Planning for Connected and Automated Electric Vehicles at Signalized Intersections considering Dynamic Wireless Power Transfer. Journal of Advanced Transportation, 2022, 2022, 1-13.	0.9	0
2331	Stochastic factors and string stability of traffic flow: Analytical investigation and numerical study based on car-following models. Transportation Research Part B: Methodological, 2022, 165, 96-122.	2.8	11
2332	Car-following traffic model based on PID control: modelling and simulation. Engineering Computations, 2022, 39, 3400-3415.	0.7	1
2333	Reinforcement Learning-Based Autonomous Driving at Intersections in CARLA Simulator. Sensors, 2022, 22, 8373.	2.1	11
2334	Integrated macro-micro modelling for individual vehicle trajectory reconstruction using fixed and mobile sensor data. Transportation Research Part C: Emerging Technologies, 2022, 145, 103929.	3.9	5
2335	Efficient Origin-Destination Estimation Using Microscopic Traffic Simulation with Restricted Rerouting. CMES - Computer Modeling in Engineering and Sciences, 2023, 135, 1091-1109.	0.8	0
2336	The Route Not Taken: Driver-Centric Estimation of Electric Vehicle Range. , 0, 24, 413-420.		7
2337	Interaction-Aware Trajectory Prediction and Planning for Autonomous Vehicles in Forced Merge Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 474-488.	4.7	14
2338	Stability Analysis in Mixed-Autonomous Traffic With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2023, 72, 2848-2862.	3.9	5
2339	Coordination for Connected and Automated Vehicles at Non-Signalized Intersections: A Value Decomposition-Based Multiagent Deep Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2023, 72, 3025-3034.	3.9	4
2340	Unveiling the Capacity Drop Phenomenon Through Traffic Microsimulation: Modeling, Calibration, and Sensitivity Analysis. IEEE Access, 2022, 10, 117611-117625.	2.6	0

#	ARTICLE	IF	CITATIONS
2341	Loss Function Design for Data-Driven Predictors to Enhance the Energy Efficiency of Connected and Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 827-837.	4.7	0
2342	Reliable Autonomous Driving Environment Model With Unified State-Extended Boundary. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 516-527.	4.7	4
2343	Named-Cooperative Adaptive Cruise Control: An Application of NDN. IEEE Internet of Things Magazine, 2022, 5, 100-104.	2.0	0
2344	Multi-agent reinforcement learning for autonomous vehicles: a survey. Autonomous Intelligent Systems, 2022, 2, .	2.0	8
2345	Traffic Signal Optimization to Improve Sustainability: A Literature Review. Energies, 2022, 15, 8452.	1.6	3
2346	Freeway Traffic Speed Prediction under the Intelligent Driving Environment: A Deep Learning Approach. Journal of Advanced Transportation, 2022, 2022, 1-9.	0.9	3
2347	A generative car-following model conditioned on driving styles. Transportation Research Part C: Emerging Technologies, 2022, 145, 103926.	3.9	11
2348	Mixed traffic flow of human-driven vehicles and connected autonomous vehicles: String stability and fundamental diagram. Mathematical Biosciences and Engineering, 2022, 20, 2280-2295.	1.0	6
2349	A Hierarchical Motion Planning System for Driving in Changing Environments: Framework, Algorithms, and Verifications. IEEE/ASME Transactions on Mechatronics, 2023, 28, 1303-1314.	3.7	6
2350	Human-Like Control for Automated Vehicles and Avoiding "Vehicle Face-Off" in Unprotected Left Turn Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-10.	4.7	1
2351	What Do Traffic Simulations Have to Provide for Virtual Road Safety Assessment? Human Error Modeling in Traffic Simulations. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-18.	4.7	5
2352	Eco-Driving of General Mixed Platoons With CAVs and HDVs. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1190-1203.	9.4	10
2353	Human Driving Centered Gain Scheduling Control of Mixed Platoons. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 3312-3324.	4.7	0
2354	A Cooperation-Aware Lane Change Method for Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 3236-3251.	4.7	2
2355	Safe Reinforcement Learning for an Energy-Efficient Driver Assistance System. IFAC-PapersOnLine, 2022, 55, 615-620.	0.5	1
2356	Modeling the Fundamental Diagram of Mixed Traffic Flow With Dedicated Lanes for Connected Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 6517-6529.	4.7	12
2357	Desired Relative Distance Model-based Personalized Braking Algorithm for One-pedal Driving of Electric Vehicles. IFAC-PapersOnLine, 2022, 55, 62-67.	0.5	2
2358	A general approach to smoothing nonlinear mixed traffic via control of autonomous vehicles. Transportation Research Part C: Emerging Technologies, 2023, 146, 103967.	3.9	11

#	ARTICLE	IF	CITATIONS
2359	Framework of vehicle-bridge coupled analysis for suspension bridges under refined vehicle modeling considering realistic traffic behavior. Structures, 2023, 47, 1991-2005.	1.7	2
2360	Analysis of the impact of maximum platoon size of CAVs on mixed traffic flow: An analytical and simulation method. Transportation Research Part C: Emerging Technologies, 2023, 147, 103989.	3.9	35
2361	Modified DDPG car-following model with a real-world human driving experience with CARLA simulator. Transportation Research Part C: Emerging Technologies, 2023, 147, 103987.	3.9	6
2362	Impact of Autonomous Vehicles on the Car-Following Behavior of Human Drivers. Journal of Transportation Engineering Part A: Systems, 2023, 149, .	0.8	5
2363	Embedded Real-Time Speed Forecasting for Electric Vehicles: A Case Study on RSK Urban Roads. IEEE Access, 2022, 10, 126412-126428.	2.6	1
2364	A Hybrid Driving Decision-Making System Integrating Markov Logic Networks and Connectionist AI. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 3514-3527.	4.7	1
2365	Modeling Human Driving Behavior Through Generative Adversarial Imitation Learning. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 2874-2887.	4.7	25
2366	Driving Behavior Modeling and Characteristic Learning for Human-like Decision-Making in Highway. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1994-2005.	9.4	10
2367	Controlled Networks to Solve Traffic Flows Problem. , 2022, , .		1
2368	Mandatory Lane-Changing Decision-Making in Dense Traffic for Autonomous Vehicles based on Deep Reinforcement Learning. , 2022, , .		1
2370	How can connected and automated vehicles improve merging efficiency at freeway on-ramps?. Transportmetrica A: Transport Science, 2024, 20, .	1.3	1
2371	ModÃ©le de comportement latÃ©ral des vÃ©hicules lÃ©gers fondÃ© sur des forces. , 2022, 3, 451-476.		0
2372	Research on driverless truck PLATOON control based on improved variable time headway policy. , 2022, , .		0
2373	A Research and Educational Robotic Testbed for Real-Time Control of Emerging Mobility Systems: From Theory to Scaled Experiments [Applications of Control]. IEEE Control Systems, 2022, 42, 20-34.	1.0	16
2374	A Collision Avoidance Model for On-Ramp Merging of Autonomous Vehicles. KSCE Journal of Civil Engineering, 2023, 27, 1323-1339.	0.9	4
2375	Two-Dimensional Intelligent Driver Model with Vehicular Dynamics. , 0, , .		0
2376	Modeling differential car-following behavior under normal and rainy conditions: a memory-based deep learning method with an attention mechanism. Chinese Physics B, 0, , .	0.7	0
2377	Towards a Smart Robot Model for Traffic Signal Management in Developing Countries. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
2378	Autonomous highway driving using reinforcement learning with safety check system based on time-to-collision. <i>Artificial Life and Robotics</i> , 2023, 28, 158-165.	0.7	2
2379	Alleviating Bunching by Platoon-Based Eco-Driving with Berth Allocation in Bus Corridors. , 0, , .		0
2380	A Microscopic Traffic Flow Model Characterization for Weather Conditions. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12981.	1.3	6
2381	Impact Evaluation of Cyberattacks on Connected and Automated Vehicles in Mixed Traffic Flow and Its Resilient and Robust Control Strategy. <i>Sensors</i> , 2023, 23, 74.	2.1	2
2382	Efficient Anticipatory Longitudinal Control of Electric Vehicles through Machine Learning-Based Prediction of Vehicle Speeds. <i>Vehicles</i> , 2023, 5, 1-23.	1.7	2
2383	Vehicle type-dependent heterogeneous car-following modeling and road capacity analysis. <i>Modern Physics Letters B</i> , 0, , .	1.0	0
2384	Strategy of lane-changing coupling process for connected and automated vehicles in mixed traffic environment. <i>Transportmetrica B</i> , 2023, 11, 979-995.	1.4	0
2385	Modeling car-following behavior during queue discharge at signalized intersections with countdown timer. <i>Transportation Letters</i> , 2024, 16, 1-13.	1.8	1
2386	Lane changing decision rule with the difference of traffic flow's variation in multi-lane highway for connected and autonomous vehicles. <i>Transportation Safety and Environment</i> , 0, , .	1.1	0
2387	A Dynamic Lane-Changing Driving Strategy for CAV in Diverging Areas Based on MPC System. <i>Sensors</i> , 2023, 23, 559.	2.1	3
2388	MALS-Net: A Multi-Head Attention-Based LSTM Sequence-to-Sequence Network for Socio-Temporal Interaction Modelling and Trajectory Prediction. <i>Sensors</i> , 2023, 23, 530.	2.1	12
2389	Game Theory-Based Decision-Making and Iterative Predictive Lateral Control for Cooperative Obstacle Avoidance of Guided Vehicle Platoon. <i>IEEE Transactions on Vehicular Technology</i> , 2023, 72, 7051-7066.	3.9	4
2390	Predictive Cruise Control Under Cloud Control System for Urban Bus Considering Queue Dissipation Time. <i>IEEE Transactions on Intelligent Vehicles</i> , 2023, 8, 2639-2649.	9.4	0
2391	Safe, Efficient, and Comfortable Autonomous Driving Based on Cooperative Vehicle Infrastructure System. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 893.	1.2	14
2392	Traffic safety evaluation of mixed traffic flow considering the maximum platoon size of connected automated vehicles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 612, 128452.	1.2	23
2393	The role of driver models in testing highly-automated driving: a survey. <i>Automatisierungstechnik</i> , 2023, 71, 16-27.	0.4	0
2394	Effects of Driver Response Time Under Take-Over Control Based on CAR-ToC Model in Humanâ€“Machine Mixed Traffic Flow. <i>Automotive Innovation</i> , 0, , .	3.1	0
2395	A stochastic microscopic based freeway traffic state and spatial-temporal pattern prediction in a connected vehicle environment. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 0, , 1-27.	2.6	5

#	ARTICLE	IF	CITATIONS
2396	Proximal Policy Optimization-Based Driving Control Strategy of Connected Cruise Vehicle Platoons to Improve Traffic Efficiency and Safety. <i>Transportation Research Record</i> , 2023, 2677, 58-72.	1.0	1
2397	Connected and Automated Vehicles (CAVs) Platoon Stability Analysis Based on Dynamic Topology-based Model Under Communication Failure. <i>Chinese Physics B</i> , 0, , .	0.7	0
2398	An operational simulation framework for modelling the multi-interaction of two-wheelers on mixed-traffic road segments. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 611, 128441.	1.2	3
2399	Decision-making with Triple Density Awareness for Autonomous Driving using Deep Reinforcement Learning. , 2022, , .		0
2400	Performance Analysis of Velocity Perturbation Control in Mixed Platoons with Connected Autonomous and Human-Driven Vehicles. , 2022, , .		0
2401	InterSim: Interactive Traffic Simulation via Explicit Relation Modeling. , 2022, , .		7
2402	Learning an Interpretable Model for Driver Behavior Prediction with Inductive Biases. , 2022, , .		2
2403	Risk-sensitive MPCs with Deep Distributional Inverse RL for Autonomous Driving. , 2022, , .		0
2404	Improved Robustness and Safety for Pre-Adaptation of Meta Reinforcement Learning with Prior Regularization. , 2022, , .		0
2405	Interventional Behavior Prediction: Avoiding Overly Confident Anticipation in Interactive Prediction. , 2022, , .		3
2406	Planning for Negotiations in Autonomous Driving using Reinforcement Learning. , 2022, , .		1
2407	Flash: Fast and Light Motion Prediction for Autonomous Driving with Bayesian Inverse Planning and Learned Motion Profiles. , 2022, , .		5
2408	A Digital Smart City for Emerging Mobility Systems. , 2022, , .		1
2409	Speed planning for connected and automated vehicles in urban scenarios using deep reinforcement learning. , 2022, , .		1
2410	A Gain-Scheduled Robust H_{∞} Control for a Mixed Traffic System Travelling at Different Desired Speeds in the Presence of Delay. , 2022, , .		3
2411	Distracted Drivers Detection in Mixed Vehicle Platoons Using Velocity Measurements Only. , 2022, , .		0
2412	Modeling and Simulation for Non-Motorized Vehicle Flow on Road Based on Modified Social Force Model. <i>Mathematics</i> , 2023, 11, 170.	1.1	2
2413	A simulation study on the traffic delay and fuel consumption of connected and autonomous vehicles in superstreet with platooning, signal optimization, and trajectory planning. <i>Transportation Planning and Technology</i> , 0, , 1-26.	0.9	0

#	ARTICLE	IF	CITATIONS
2415	Microscopic Vehicular Traffic Simulation: Comparison of Calibration Techniques. , 2022, , .		0
2416	Getting Ready for all Types of Users: A Virtual Reality Training Center for Automated Vehicles. , 2022, , .		0
2417	A CNN-LSTM Car-Following Model Considering Generalization Ability. Sensors, 2023, 23, 660.	2.1	7
2418	Empirical Investigation of Fundamental Diagrams in Mixed Traffic. IEEE Access, 2023, 11, 13293-13308.	2.6	5
2419	Capacity Drop at Freeway Ramp Merges with Its Replication in Macroscopic and Microscopic Traffic Simulations: A Tutorial Report. Sustainability, 2023, 15, 2050.	1.6	1
2420	Learning Car-Following Behaviors for a Connected Automated Vehicle System: An Improved Sequence-to-Sequence Deep Learning Model. IEEE Access, 2023, 11, 28076-28089.	2.6	3
2421	Consistency Analysis of Driversâ€™ Car-Following Behaviors. Journal of Transportation Engineering Part A: Systems, 2023, 149, .	0.8	1
2422	Car-Following Behavior of Human-Driven Vehicles in Mixed-Flow Traffic: A Driving Simulator Study. IEEE Transactions on Intelligent Vehicles, 2023, 8, 2661-2673.	9.4	6
2423	Autonomous Vehicleâ€™s Impact on Traffic: Empirical Evidence From Waymo Open Dataset and Implications From Modelling. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 6711-6724.	4.7	9
2424	Characterizing the Impact of Autonomous Vehicles on Macroscopic Fundamental Diagrams. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 6530-6541.	4.7	1
2425	Social Psychology Inspired Distributed Ledger Technique for Anomaly Detection in Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7092-7107.	4.7	6
2426	Intensification of Intelligent Automated Control Systems. , 2023, , .		1
2427	Modeling car-following behavior in heterogeneous traffic mixing human-driven, automated and connected vehicles: considering multitype vehicle interactions. Nonlinear Dynamics, 2023, 111, 11115-11134.	2.7	4
2428	Towards Predicting Traffic Shockwave Formation and Propagation: A Convolutional Encoderâ€™Decoder Network. Journal of Transportation Engineering Part A: Systems, 2023, 149, .	0.8	1
2429	Modeling Car-Following Behavior with Different Acceptable Safety Levels. Sustainability, 2023, 15, 6282.	1.6	1
2430	Traffic load simulation on bridges based on improved non-contact machine vision technique and multi-source information fusion. Measurement: Journal of the International Measurement Confederation, 2023, 213, 112754.	2.5	0
2431	Hierarchical and game-theoretic decision-making for connected and automated vehicles in overtaking scenarios. Transportation Research Part C: Emerging Technologies, 2023, 150, 104109.	3.9	6
2432	Modeling the impact of lane-changingâ€™s anticipation on car-following behavior. Transportation Research Part C: Emerging Technologies, 2023, 150, 104110.	3.9	3

#	ARTICLE	IF	CITATIONS
2433	Multi-physical cooperative control of plug-in hybrid electric vehicles via cyber hierarchy and interactional network. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2023, 120, 107158.	1.7	3
2434	Understanding traffic bottlenecks of long freeway tunnels based on a novel location-dependent lighting-related car-following model. <i>Tunnelling and Underground Space Technology</i> , 2023, 136, 105098.	3.0	15
2435	Calibrating Car-Following Models on Urban Streets Using Naturalistic Driving Data. <i>Journal of Transportation Engineering Part A: Systems</i> , 2023, 149, .	0.8	0
2436	Cooperative Decision-Making for Mixed Traffic at an Unsignalized Intersection Based on Multi-Agent Reinforcement Learning. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 5018.	1.3	2
2437	Trajectory planning based on spatio-temporal reachable set considering dynamic probabilistic risk. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 123, 106291.	4.3	0
2438	Maximum-Entropy Multi-Agent Dynamic Games: Forward and Inverse Solutions. <i>IEEE Transactions on Robotics</i> , 2023, 39, 1801-1815.	7.3	7
2439	Predicting highway lane-changing maneuvers: A benchmark analysis of machine and ensemble learning algorithms. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 612, 128471.	1.2	5
2440	Optimal Differential Variable Speed Limit Control in a Connected and Autonomous Vehicle Environment for Freeway Off-Ramp Bottlenecks. <i>Journal of Transportation Engineering Part A: Systems</i> , 2023, 149, .	0.8	4
2441	Model predictive control policy design, solutions, and stability analysis for longitudinal vehicle control considering shockwave damping. <i>Transportation Research Part C: Emerging Technologies</i> , 2023, 148, 104038.	3.9	6
2442	Evaluation of transit signal priority at signalized intersections under connected vehicle environment. <i>Transportation Planning and Technology</i> , 2023, 46, 145-159.	0.9	2
2443	Sensitivity Analysis for a Cooperative Adaptive Cruise Control Car Following Model: Preliminary Findings. <i>Lecture Notes in Computer Science</i> , 2022, , 370-377.	1.0	0
2444	Analyses of a two-lane lattice hydrodynamic model incorporating predictive effect and self-delayed flux integral. <i>Modern Physics Letters B</i> , 2023, 37, .	1.0	0
2445	Hybrid characteristics of heterogeneous traffic flow mixed with electric vehicles considering the amplitude of acceleration and deceleration. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 614, 128556.	1.2	7
2446	A Survey on Automated Driving System Testing: Landscapes and Trends. <i>ACM Transactions on Software Engineering and Methodology</i> , 2023, 32, 1-62.	4.8	10
2447	Modelling and Mitigating Secondary Crash Risk for Serial Tunnels on Freeway via Lighting-Related Microscopic Traffic Model with Inter-Lane Dependency. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 3066.	1.2	2
2448	Identifying suitable car-following models to simulate automated vehicles on highways. <i>International Journal of Transportation Science and Technology</i> , 2023, , .	2.0	3
2449	Hopf Bifurcation Analysis of Mixed Traffic and Its Implications for Connected and Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 6542-6557.	4.7	1
2450	Learning the Policy for Mixed Electric Platoon Control of Automated and Human-Driven Vehicles at Signalized Intersection: A Random Search Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 5131-5143.	4.7	7

#	ARTICLE	IF	CITATIONS
2451	Toward Learning Human-Like, Safe and Comfortable Car-Following Policies With a Novel Deep Reinforcement Learning Approach. <i>IEEE Access</i> , 2023, 11, 16843-16854.	2.6	3
2452	The Impact of Autonomous Vehicles and Their Driving Parameters on Urban Road Traffic. <i>Lecture Notes in Mobility</i> , 2023, , 3-19.	0.2	0
2453	An interdisciplinary agent-based evacuation model: integrating the natural environment, built environment, and social system for community preparedness and resilience. <i>Natural Hazards and Earth System Sciences</i> , 2023, 23, 733-749.	1.5	5
2454	Human-centred design of next generation transportation infrastructure with connected and automated vehicles: a system-of-systems perspective. <i>Theoretical Issues in Ergonomics Science</i> , 0, , 1-29.	1.0	5
2455	Potential impact of autonomous vehicles in mixed traffic from simulation using real traffic flow. <i>Journal of Intelligent and Connected Vehicles</i> , 2023, 6, 1-15.	3.6	5
2456	Multiscale Properties of Traffic Flow: The Macroscopic Impact of Traffic Waves. <i>Mathematics Online First Collections</i> , 2023, , 267-296.	0.1	0
2457	Intersection capacity adjustments considering different market penetration rates of connected and automated vehicles. <i>Transportation Planning and Technology</i> , 2023, 46, 286-303.	0.9	2
2458	Is All-Direction Turn Lane a Good Choice for Autonomous Intersections? A Study of Method Development and Comparisons. <i>IEEE Transactions on Vehicular Technology</i> , 2023, 72, 8510-8525.	3.9	3
2459	A differentiated decision-making algorithm for automated vehicles based on pedestrian feature estimation. <i>IET Intelligent Transport Systems</i> , 2023, 17, 1454-1466.	1.7	2
2461	Stability Analysis of Mixed Traffic Flow Considering Personal Space under the Connected and Automated Environment. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 3231.	1.3	2
2462	Data-driven Modeling of Car-Following Behavior on Freeways Considering Spatio-Time Effects: A Comparison of Different Neural Network Structures. <i>International Journal of Intelligent Transportation Systems Research</i> , 2023, 21, 86-98.	0.6	0
2463	Dealing with mixed and non-normative traffic. An agent-based simulation with the GAMA platform. <i>PLoS ONE</i> , 2023, 18, e0281658.	1.1	1
2464	Adaptive Headway Control Algorithm for Mixed-Traffic Stabilization and Optimization with Automated Cars and Trucks. <i>Transportation Research Record</i> , 2023, 2677, 234-246.	1.0	1
2465	Emergency Vehicle Aware Lane Change Decision Model for Autonomous Vehicles Using Deep Reinforcement Learning. <i>IEEE Access</i> , 2023, 11, 27127-27137.	2.6	3
2466	On the well-posedness of the "Bando-follow the leader" car following model and a time-delayed version. <i>Networks and Heterogeneous Media</i> , 2023, 18, 775-798.	0.5	3
2467	Enforcing Hard State-Dependent Action Bounds on Deep Reinforcement Learning Policies. <i>Lecture Notes in Computer Science</i> , 2023, , 193-218.	1.0	1
2468	Driver Behavior Modeling Toward Autonomous Vehicles: Comprehensive Review. <i>IEEE Access</i> , 2023, 11, 22788-22821.	2.6	10
2469	Stability Evolution of Car-Following Models Considering Asymmetric Driving Behavior. <i>Transportation Research Record</i> , 2023, 2677, 361-371.	1.0	2

#	ARTICLE	IF	CITATIONS
2470	Stability of multi-population traffic flows. <i>Networks and Heterogeneous Media</i> , 2023, 18, 877-905.	0.5	0
2471	A Method of Identifying Personalized Car-Following Characteristics for Adaptive Cruise Control System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 6888-6901.	4.7	0
2472	Ensemble Quantile Networks: Uncertainty-Aware Reinforcement Learning With Applications in Autonomous Driving. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 6030-6041.	4.7	6
2473	A Safe Driving Decision-Making Methodology Based on Cascade Imitation Learning Network for Automated Commercial Vehicles. <i>IEEE Sensors Journal</i> , 2023, 23, 11285-11295.	2.4	1
2474	Spatio-temporal Keyframe Control of Traffic Simulation using Coarse-to-Fine Optimization. <i>Computer Graphics Forum</i> , 2022, 41, 541-552.	1.8	1
2475	Explaining a Deep Reinforcement Learning (DRL)-Based Automated Driving Agent in Highway Simulations. <i>IEEE Access</i> , 2023, 11, 28522-28550.	2.6	2
2476	Dense reinforcement learning for safety validation of autonomous vehicles. <i>Nature</i> , 2023, 615, 620-627.	13.7	70
2477	Cooperative control of a platoon of connected autonomous vehicles and unconnected human-driven vehicles. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2023, 38, 2513-2536.	6.3	7
2478	Application of conditional generative adversarial network to multi-step car-following modeling. <i>Frontiers in Neurobotics</i> , 0, 17, .	1.6	1
2479	Urban Traffic Density Estimation from Vehicle-mounted Camera for Real-time Application. , 2023, , .		0
2480	Modeling Mixed Traffic Flow with Connected Autonomous Vehicles and Human-Driven Vehicles in Off-Ramp Diverging Areas. <i>Sustainability</i> , 2023, 15, 5651.	1.6	1
2481	The solid line prohibiting lane changing to improve traffic efficiency in the on-ramp merging area. <i>Transportmetrica B</i> , 2023, 11, 1218-1233.	1.4	0
2482	Transmission-Efficient RIS-Carrying UAV's Auxiliary Communication Systems for Intelligent Connected Vehicle Platoons at the Unsignalized Intersection in Smart Cities. <i>IEEE Internet of Things Journal</i> , 2023, 10, 18609-18621.	5.5	0
2483	Platoon-centered control for eco-driving at signalized intersection built upon hybrid MPC system, online learning and distributed optimization part II: Theoretical analysis. <i>Transportation Research Part B: Methodological</i> , 2023, 172, 199-216.	2.8	3
2484	Human-like car-following modeling based on online driving style recognition. <i>Electronic Research Archive</i> , 2023, 31, 3264-3290.	0.4	2
2485	Cooperative predictive control for arbitrarily mixed vehicle platoons with guaranteed global optimality. <i>IET Intelligent Transport Systems</i> , 0, , .	1.7	0
2486	Interaktive Trajektorienplanung mittels gemischt-ganzzahliger quadratischer Programmierung. <i>Automatisierungstechnik</i> , 2023, 71, 300-311.	0.4	0
2487	Autonomous Eco-Driving Evaluation of an Electric Vehicle on a Chassis Dynamometer. , 0, , .		1

#	ARTICLE	IF	CITATIONS
2488	Verhaltensentscheidungen für das automatische Fahren an innerstädtischen T-Kreuzungen mittels ereignisdiskreter Systeme. Automatisierungstechnik, 2023, 71, 258-269.	0.4	0
2489	Deep Q-Network-Based Efficient Driving Strategy for Mixed Traffic Flow with Connected and Autonomous Vehicles on Urban Expressways. Transportation Research Record, 2023, 2677, 324-338.	1.0	2
2490	Study on a Vehicle-Type-Based Car-Following Model using the Long Short-Term Memory Method. , 0, , .		0
2491	Platoon-centered control for eco-driving at signalized intersection built upon hybrid MPC system, online learning and distributed optimization part I: Modeling and solution algorithm design. Transportation Research Part B: Methodological, 2023, 172, 174-198.	2.8	3
2492	Modeling Autonomous Vehicles' Altruistic Behavior to Human-Driven Vehicles in the Car following Events and Impact Analysis. Journal of Advanced Transportation, 2023, 2023, 1-14.	0.9	0
2493	Learning naturalistic driving environment with statistical realism. Nature Communications, 2023, 14, .	5.8	5
2494	An Interactive Car-Following Model (ICFM) for the Harmony-With-Traffic Evaluation of Autonomous Vehicles. , 0, , .		0
2495	Construction of Driver Models for Cut-in of Other Vehicles in Car-Following Situations. , 0, , .		0
2496	An Ultra-Light Heuristic Algorithm for Autonomous Optimal Eco-Driving. , 0, , .		0
2497	Potential Game-Based Decision-Making for Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 8014-8027.	4.7	2
2498	Cooperation for Scalable Supervision of Autonomy in Mixed Traffic. IEEE Transactions on Robotics, 2023, , 1-19.	7.3	0
2499	Impact of lane-changing behavior on traffic emissions of road sections in multi-dimensional mixed traffic flow environment. Journal of the Air and Waste Management Association, 2023, 73, 403-416.	0.9	1
2500	An Integrated Lateral and Longitudinal Decision-Making Model for Autonomous Driving Based on Deep Reinforcement Learning. Journal of Advanced Transportation, 2023, 2023, 1-13.	0.9	0
2501	Energy-efficient automated driving: effect of a naturalistic eco-ACC on a following vehicle. , 2023, , .		1
2502	Platoon Intensity of Connected Automated Vehicles: Definition, Formulas, Examples, and Applications. Journal of Advanced Transportation, 2023, 2023, 1-17.	0.9	4
2503	Safe, learning-based MPC for highway driving under lane-change uncertainty: A distributionally robust approach. Artificial Intelligence, 2023, 320, 103920.	3.9	3
2504	The Judgments and Effects of Truck Barriers on Diverging Area in Connected and Automated Environment. , 2022, , .		0
2505	Research on Cyberattack Detection of Connected Automated Vehicles Based on Support Vector Machine. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2506	DeepGAL: Intelligent Vehicle Control for Traffic Congestion Alleviation at Intersections. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 6836-6848.	4.7	1
2507	Systematic Review on Classical Car-Following Models. , 2022, , .		0
2508	The Impact of Automated Vehicles on Road and Intersection Capacity. Applied Sciences (Switzerland), 2023, 13, 5073.	1.3	0
2509	Longitudinal car-following control strategy integrating predictive collision risk. Applied Mathematical Modelling, 2023, 121, 1-20.	2.2	2
2510	Risk-aware controller for autonomous vehicles using model-based collision prediction and reinforcement learning. Artificial Intelligence, 2023, 320, 103923.	3.9	3
2511	Achieving realistic cyclist behavior in SUMO using the SimRa dataset. Computer Communications, 2023, 205, 97-107.	3.1	2
2517	A Multi-agent Cellular Automata Model of Lane Changing Behaviour Considering the Aggressiveness and the Autonomy. Lecture Notes in Computer Science, 2023, , 481-491.	1.0	0
2526	Towards Efficient Personalized Driver Behavior Modeling with Machine Unlearning. , 2023, , .		0
2544	Evaluating the Performance of an Integrated Control Framework for Connected Autonomous Vehicles in Simulated Rural Environments. , 2023, , .		0
2546	Genetic Fuzzy Logic Approach for Determining Variable Speed Limits in a Connected Vehicle Environment under Adverse Weather Conditions. , 2023, , .		0
2550	Traffic Congestion Mitigation by Deceleration Control with Short-term Velocity Forecasting Using V2X. , 2023, , .		0
2561	Cooperative Variable Speed Limit Control using Multi-agent Reinforcement Learning and Evolution Strategy for Improved Throughput in Mixed Traffic. , 2023, , .		0
2580	Multi-agent Cellular Automaton Model for Traffic Flow Considering the Heterogeneity of Human Delay and Accelerations. Lecture Notes in Computer Science, 2023, , 539-552.	1.0	1
2585	Simulation Based Methodology for Assessing Forced Merging Strategies for Autonomous Vehicles. , 2023, , .		0
2587	Monte Carlo Tree Search Based Trajectory Generation for Automated Vehicles in Interactive Traffic Environments. , 2023, , .		1
2590	Safety Under Uncertainty: Tight Bounds with Risk-Aware Control Barrier Functions. , 2023, , .		1
2591	SHAIL: Safety-Aware Hierarchical Adversarial Imitation Learning for Autonomous Driving in Urban Environments. , 2023, , .		2
2592	Traffic-Aware Autonomous Driving with Differentiable Traffic Simulation. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2594	Multi-Head Attention Machine Learning for Fault Classification in Mixed Autonomous and Human-Driven Vehicle Platoons. , 2023, , .		0
2595	Self-Improving Safety Performance of Reinforcement Learning Based Driving with Black-Box Verification Algorithms. , 2023, , .		1
2596	DriveIRL: Drive in Real Life with Inverse Reinforcement Learning. , 2023, , .		4
2601	Optimal Infrastructure Planning and Placement of Charging Stations for Electric Vehicles. Advances in Logistics, Operations, and Management Science Book Series, 2023, , 211-235.	0.3	0
2609	A case study on traffic congestion control system using data mining and machine learning applications. AIP Conference Proceedings, 2023, , .	0.3	0
2615	Impact-aware Maneuver Decision with Enhanced Perception for Autonomous Vehicle. , 2023, , .		0
2617	Cooperative Reinforcement Learning-based Damping of Lane-Change-Induced Waves. , 2023, , .		0
2618	Studying the Impact of Semi-Cooperative Drivers on Overall Highway Flow. , 2023, , .		0
2619	Hybrid Decision Making for Autonomous Driving in Complex Urban Scenarios. , 2023, , .		2
2620	UCLF: An Uncertainty-Aware Cooperative Lane-Changing Framework for Connected Autonomous Vehicles in Mixed Traffic. , 2023, , .		0
2621	Interaction and Decision Making-aware Motion Planning using Branch Model Predictive Control. , 2023, , .		0
2622	Cooperative Driving for Speed Harmonization in Mixed-Traffic Environments. , 2023, , .		1
2623	A Novel Framework for Modeling and Synthesizing Stealthy Cyberattacks on Driver-Assist Enabled Vehicles. , 2023, , .		0
2624	Interpretable Goal-Based model for Vehicle Trajectory Prediction in Interactive Scenarios. , 2023, , .		1
2625	Real-Time Traffic Prediction Considering Lane Changing Maneuvers with Application to Eco-Driving Control of Electric Vehicles. , 2023, , .		0
2626	Exploring Energy Impacts of Cyberattacks on Adaptive Cruise Control Vehicles. , 2023, , .		0
2627	Assessing safe autonomous vehicle behavior via large scale traffic simulation. , 2023, , .		0
2628	Automatic Intersection Management in Mixed Traffic Using Reinforcement Learning and Graph Neural Networks. , 2023, , .		3

#	ARTICLE	IF	CITATIONS
2629	Lateral flow control of connected vehicles through deep reinforcement learning. , 2023, , .		0
2630	Gap Approaching Intelligent Driver Model for Interactive Simulation of Merging Scenarios. , 2023, , .		0
2636	LETSCOPE: Lifecycle Extensions Through Software-Defined Predictive Control of Power Electronics. , 2023, , .		1
2642	Research on automatic vehicle lane changing model based on MASAC-discrete algorithm. , 2023, , .		0
2646	A Modified Enhanced Driver Model for Heavy-Duty Vehicles with Safe Deceleration. , 0, , .		0
2648	A Bi-Level Optimization Approach for Eco-Driving of Heavy-Duty Vehicles. , 0, , .		0
2664	A Mixed H_2/H_∞ Controller Design for a Platoon with Multiple Human-Driven and Connected and Automated Vehicles. , 2023, , .		2
2665	Stabilization Guarantees of Human-Compatible Control via Lyapunov Analysis. , 2023, , .		0
2667	End-to-end Autonomous Driving in Heterogeneous Traffic Scenario Using Deep Reinforcement Learning. , 2023, , .		0
2669	Potential-based Credit Assignment for Cooperative RL-based Testing of Autonomous Vehicles. , 2023, , .		0
2671	Trace and Pace: Controllable Pedestrian Animation via Guided Trajectory Diffusion. , 2023, , .		1
2672	MIXSIM: A Hierarchical Framework for Mixed Reality Traffic Simulation. , 2023, , .		0
2675	Learning-Based Social Coordination to Improve Safety and Robustness of Cooperative Autonomous Vehicles in Mixed Traffic. , 2023, , 671-707.		0
2680	Calibration of freeway car-following models under rain-fog environments. , 2023, , .		0
2684	Cooperative Damping of Lane-change-induced Disturbances via Local Density Reduction. , 2023, , .		0
2685	Impacts of mixed autonomy traffic flow with adaptive cruise control vehicles on fuel consumption and emissions. , 2023, , .		1
2686	A Cooperative Truck Platooning Approach on Ramp Merging Area of Highway in Mixed Traffic. , 2023, , .		0
2689	Autonomous Vehicle Trajectory Prediction on Multi-Lane Highways Using Attention Based Model. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
2690	Simulation systems and case studies. , 2024, , 1001-1047.		0
2695	Bi-Level Optimization Augmented with Conditional Variational Autoencoder for Autonomous Driving in Dense Traffic. , 2023, , .		1
2711	Reinforcement Learning-Based Collision Avoidance of a Connected and Automated Vehicle at Merging Roads. , 2023, , .		0
2713	Modeling Microscopic Traffic Behaviors for Connected and Autonomous Vehicles. , 2023, , 1-16.		0
2714	A Critical Evaluation of Eco-Driving Strategies for Connected Autonomous Electric Vehicles at Signalized Intersections. , 2023, , .		0
2727	Decision Making for Autonomous Driving in a Virtual Highway Environment based on Generative Adversarial Imitation Learning. , 2023, , .		0
2729	Application to Traffic Flow. Springer Series in Synergetics, 2023, , 117-155.	0.2	0
2733	Driving Performance Analysis for Connected Vehicle Platoons: Velocity Perturbation and Fuel Consumption. , 2023, , .		0
2740	Driving Safety. Key Technologies on New Energy Vehicles, 2024, , 167-413.	0.2	0
2749	A Mixed-traffic Car-Following Model Considering Cooperation Efficiency. , 2023, , .		0
2751	LiDaSim: A Lightweight Dataset-Based Simulation Framework for Vehicular Ad Hoc Networks. , 2023, , .		0
2753	Single-File Pedestrian Dynamics: A Review of Agent-Following Models. Modeling and Simulation in Science, Engineering and Technology, 2023, , 143-178.	0.4	1
2754	Sequential Neural Barriers for Scalable Dynamic Obstacle Avoidance. , 2023, , .		1
2756	A Two-Stage Based Social Preference Recognition in Multi-Agent Autonomous Driving System. , 2023, , .		0
2757	Interpretable Trajectory Prediction for Autonomous Vehicles via Counterfactual Responsibility. , 2023, , .		0
2763	Optimal Vehicle Control to Improve Traffic Flow at Railway Level Crossings. , 2023, , .		0
2780	Integration of Intelligent Driver Model with Interaction-Aware LMB (IA-LMB) Filter for Vehicle tracking. , 2023, , .		0
2791	Improved Tactical Decision Making and Control Architecture for Autonomous Truck in SUMO Using Reinforcement Learning. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2792	Towards Predictive Lifetime-Oriented Temperature Control of Power Electronics in E-vehicles via Reinforcement Learning. , 2023, , .		0
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