

Zhai Cong

List of Publications by Year in descending order

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28
papers

408
citations

687363

13
h-index

794594

19
g-index

28
all docs

28
docs citations

28
times ranked

88
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.3	55
2	A new car-following model considering driver's characteristics and traffic jerk. <i>Nonlinear Dynamics</i> , 2018, 93, 2185-2199.	5.2	52
3	Analysis of drivers' characteristics on continuum model with traffic jerk effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 3381-3392.	2.1	38
4	Self-delayed feedback car-following control with the velocity uncertainty of preceding vehicles on gradient roads. <i>Nonlinear Dynamics</i> , 2021, 106, 3379-3400.	5.2	30
5	A continuous traffic flow model considering predictive headway variation and preceding vehicle's taillight effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 584, 126364.	2.6	23
6	A continuum model considering the uncertain velocity of preceding vehicles on gradient highways. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 588, 126561.	2.6	21
7	An extended continuum model with consideration of the self-anticipative effect. <i>Modern Physics Letters B</i> , 2018, 32, 1850382.	1.9	20
8	Stability analysis of two-lane lattice hydrodynamic model considering lane-changing and memorial effects. <i>Modern Physics Letters B</i> , 2018, 32, 1850233.	1.9	20
9	Car-following model based delay feedback control method with the gyroidal road. <i>International Journal of Modern Physics C</i> , 2019, 30, 1950073.	1.7	20
10	Lattice hydrodynamic modeling with continuous self-delayed traffic flux integral and vehicle overtaking effect. <i>Modern Physics Letters B</i> , 2020, 34, 2050071.	1.9	18
11	Cooperative Adaptive Cruise Control and exhaust emission evaluation under heterogeneous connected vehicle network environment in urban city. <i>Journal of Environmental Management</i> , 2020, 256, 109975.	7.8	17
12	A continuum model with traffic interruption probability and electronic throttle opening angle effect under connected vehicle environment. <i>European Physical Journal B</i> , 2020, 93, 1.	1.5	17
13	Lattice hydrodynamic model-based feedback control method with traffic interruption probability. <i>Modern Physics Letters B</i> , 2019, 33, 1950273.	1.9	16
14	A new continuum model with driver's continuous sensory memory and preceding vehicle's taillight. <i>Communications in Theoretical Physics</i> , 2020, 72, 105004.	2.5	13
15	A new lattice hydrodynamic model for bidirectional pedestrian flow with consideration of pedestrians' honk effect. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050031.	1.7	12
16	Feedback control strategy of a new car-following model based on reducing traffic accident rates. <i>Transportation Planning and Technology</i> , 2016, 39, 801-812.	2.0	8
17	A modified two-dimensional triangular lattice model under honk environment. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050089.	1.7	7
18	Modelling seepage flow near the pipe tip. <i>Acta Geotechnica</i> , 2020, 15, 1953-1966.	5.7	5

#	ARTICLE	IF	CITATIONS
19	Modeling bidirectional pedestrian flow with the perceived uncertainty of preceding pedestrian information. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 597, 127205.	2.6	5
20	Analytical and experimental investigation of a disturbed zone around a pipe in sand. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	4
21	A macro traffic flow model with headway variation tendency and bounded rationality. <i>Modern Physics Letters B</i> , 2021, 35, 2150054.	1.9	4
22	Feedback control strategy in a car-following model with two delays. , 2016, , .		1
23	Macro autonomous traffic flow model with traffic jerk and downstream vehicle information. <i>Engineering Computations</i> , 2021, 38, 4066-4090.	1.4	1
24	Analysis of drivers' continuous delay time effect on the lattice hydrodynamic model with the on-ramp. <i>Modern Physics Letters B</i> , 2022, 36, .	1.9	1
25	Stability analysis of coupled map car-following model with varying time-delays of drivers. , 2016, , .		0
26	The fault-tolerant control strategy of the Takagi-Sugeno fuzzy car following model with two-delays. , 2016, , .		0
27	Stability analysis of a class of Takagi-Sugeno fuzzy coupled map car following model with time-delays and control saturation. , 2016, , .		0
28	A modified lattice hydrodynamic model considering the driver's predictive and honk effect. <i>Modern Physics Letters B</i> , 2022, 36, .	1.9	0