Jian

List of Publications by Year in descending order

49 papers	1,671 citations	304368 22 h-index	288905 40 g-index
50 all docs	50 docs citations	50 times ranked	878 citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling boundedly rational route choice in crowd evacuation processes. Safety Science, 2022, 147, 105590.	2.6	18
2	Effect of turning curvature on the single-file dynamics of pedestrian flow: An experimental study. Physica A: Statistical Mechanics and Its Applications, 2021, 563, 125405.	1.2	18
3	Modeling metro passengers being eager to get aboard during the alighting and boarding process. Transportmetrica A: Transport Science, 2021, 17, 714-738.	1.3	4
4	Pedestrian single file movement on stairway: Investigating the impact of stair configuration on pedestrian ascent and descent fundamental diagram. Safety Science, 2021, 143, 105409.	2.6	24
5	Dynamics of emotional contagion in dense pedestrian crowds. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126080.	0.9	20
6	Modeling effect of information percolation on pedestrian counter flow with a multi-grid model. Communications in Nonlinear Science and Numerical Simulation, 2020, 83, 105072.	1.7	7
7	Experimental study of single-file pedestrian movement with height constraints. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 073409.	0.9	19
8	A study on passengers' alighting and boarding process at metro platform by computer simulation. Transportation Research, Part A: Policy and Practice, 2020, 132, 840-854.	2.0	8
9	Modeling following behavior and right-side-preference in multidirectional pedestrian flows by modified FFCA. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 124149.	1.2	15
10	Experimental study of architectural adjustments on pedestrian flow features at bottlenecks. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 083402.	0.9	28
11	Comprehensive evaluation of signal-coordinated arterials on traffic safety. Analytic Methods in Accident Research, 2019, 21, 32-43.	4.7	11
12	Forecasting Short-Term Passenger Flow: An Empirical Study on Shenzhen Metro. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3613-3622.	4.7	80
13	An experimental study of exit position on escape efficiency using mice under competition. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 013405.	0.9	3
14	A fine discrete field cellular automaton for pedestrian dynamics integrating pedestrian heterogeneity, anisotropy, and time-dependent characteristics. Transportation Research Part C: Emerging Technologies, 2018, 91, 37-61.	3.9	58
15	Moving characteristics of single file passengers considering the effect of ship trim and heeling. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 476-487.	1.2	22
16	Cellular automaton modeling of pedestrian movement behavior on an escalator. Chinese Physics B, 2018, 27, 124501.	0.7	18
17	Geometric constraint based pedestrian movement model on stairways. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 1212-1230.	1.2	21
18	Simulation study of overtaking in pedestrian flow using floor field cellular automaton model. International Journal of Modern Physics C, 2017, 28, 1750059.	0.8	17

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19	Event-driven modeling of elevator assisted evacuation in ultra high-rise buildings. Simulation Modelling Practice and Theory, 2017, 74, 99-116.	2.2	30
20	Pedestrian ascent and descent fundamental diagram on stairway. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 083403.	0.9	32
21	Long-range dependence and time-clustering behavior in pedestrian movement patterns in stampedes: The Love Parade case-study. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 265-274.	1.2	10
22	Effect of speed matching on fundamental diagram of pedestrian flow. Physica A: Statistical Mechanics and Its Applications, 2016, 458, 31-42.	1.2	22
23	Suppression Effect of Sprinkler System on Fire Spread in Large Commercial Buildings. Procedia Engineering, 2016, 135, 455-462.	1.2	12
24	An experimental study of the â€œfaster-is-slowerâ€•effect using mice under panic. Physica A: Statistical Mechanics and Its Applications, 2016, 452, 157-166.	1.2	72
25	Correlation dimension of collective versus individual pedestrian movement patterns in crowd-quakes: A case-study. Physica A: Statistical Mechanics and Its Applications, 2016, 452, 113-119.	1.2	8
26	An experimental study on four-directional intersecting pedestrian flows. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P08024.	0.9	63
27	Effect of Interaction among Same-direction Pedestrians. Transportation Research Procedia, 2014, 2, 353-358.	0.8	1
28	Bilevel Programming Model for Locating Park-and-Ride Facilities. Journal of the Urban Planning and Development Division, ASCE, 2014, 140, 04014007.	0.8	17
29	An Agent-Based Microscopic Pedestrian Flow Simulation Model for Pedestrian Traffic Problems. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 992-1001.	4.7	83
30	Method of Bottleneck Identification and Evaluation During Crowd Evacuation Process. Procedia Engineering, 2014, 71, 454-461.	1.2	7
31	A Study on Peopleâ€™s Attitude to the Use of Elevators for Fire Escape. Fire Technology, 2014, 50, 363-378.	1.5	16
32	Automatic Smoke Detection in MODIS Satellite Data based on <I>K</I>-means Clustering and Fisher Linear Discrimination. Photogrammetric Engineering and Remote Sensing, 2014, 80, 971-982.	0.3	17
33	Modeling pedestrian space in complex building for efficient pedestrian traffic simulation. Automation in Construction, 2013, 30, 25-36.	4.8	24
34	Modelling of lane-changing behaviour integrating with merging effect before a city road bottleneck. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 5143-5153.	1.2	24
35	A microscopic lane changing process model for multilane traffic. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1142-1152.	1.2	47
36	Automatic Clustering Method of Abnormal Crowd Flow Pattern Detection. Procedia Engineering, 2013, 62, 509-518.	1.2	11

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37	Effect of Aspiration and Mean Gain on the Emergence of Cooperation in Unidirectional Pedestrian Flow. Communications in Theoretical Physics, 2013, 59, 379-383.	1.1	0
38	New insights into turbulent pedestrian movement pattern in crowd-quakes. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P02028.	0.9	63
39	A Two-Dimensional Optimal Velocity Model for Unidirectional Pedestrian Flow Based on Pedestrian's Visual Hindrance Field. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1753-1763.	4.7	46
40	Effect of prediction on the self-organization of pedestrian counter flow. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 305004.	0.7	10
41	Cellular automaton modeling approach for optimum ultra high-rise building evacuation design. Fire Safety Journal, 2012, 54, 57-66.	1.4	71
42	An improved car-following model considering influence of other factors on traffic jam. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 377, 9-12.	0.9	46
43	Experimental study on evacuation process in a stairwell of a high-rise building. Building and Environment, 2012, 47, 316-321.	3.0	95
44	Experimental study of pedestrian behaviors in a corridor based on digital image processing. Fire Safety Journal, 2012, 47, 8-15.	1.4	69
45	Experimental study on an ultra high-rise building evacuation in China. Safety Science, 2012, 50, 1665-1674.	2.6	109
46	A continuous distance model (CDM) for the single-file pedestrian movement considering step frequency and length. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 307-316.	1.2	41
47	-Nearest-Neighbor interaction induced self-organized pedestrian counter flow. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2101-2117.	1.2	92
48	Experimental study on microscopic moving characteristics of pedestrians in built corridor based on digital image processing. Building and Environment, 2010, 45, 2160-2169.	3.0	108
49	Artificial neural network approach for modeling the impact of population density and weather parameters on forest fire risk. International Journal of Wildland Fire, 2009, 18, 640.	1.0	34