

Jian

List of Publications by Year in descending order

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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	Experimental study on an ultra high-rise building evacuation in China. <i>Safety Science</i> , 2012, 50, 1665-1674.	2.6	109
2	Experimental study on microscopic moving characteristics of pedestrians in built corridor based on digital image processing. <i>Building and Environment</i> , 2010, 45, 2160-2169.	3.0	108
3	Experimental study on evacuation process in a stairwell of a high-rise building. <i>Building and Environment</i> , 2012, 47, 316-321.	3.0	95
4	-Nearest-Neighbor interaction induced self-organized pedestrian counter flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2101-2117.	1.2	92
5	An Agent-Based Microscopic Pedestrian Flow Simulation Model for Pedestrian Traffic Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2014, 15, 992-1001.	4.7	83
6	Forecasting Short-Term Passenger Flow: An Empirical Study on Shenzhen Metro. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 3613-3622.	4.7	80
7	An experimental study of the "faster-is-slower" effect using mice under panic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 452, 157-166.	1.2	72
8	Cellular automaton modeling approach for optimum ultra high-rise building evacuation design. <i>Fire Safety Journal</i> , 2012, 54, 57-66.	1.4	71
9	Experimental study of pedestrian behaviors in a corridor based on digital image processing. <i>Fire Safety Journal</i> , 2012, 47, 8-15.	1.4	69
10	New insights into turbulent pedestrian movement pattern in crowd-quakes. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P02028.	0.9	63
11	An experimental study on four-directional intersecting pedestrian flows. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P08024.	0.9	63
12	A fine discrete field cellular automaton for pedestrian dynamics integrating pedestrian heterogeneity, anisotropy, and time-dependent characteristics. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 91, 37-61.	3.9	58
13	A microscopic lane changing process model for multilane traffic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1142-1152.	1.2	47
14	An improved car-following model considering influence of other factors on traffic jam. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 377, 9-12.	0.9	46
15	A Two-Dimensional Optimal Velocity Model for Unidirectional Pedestrian Flow Based on Pedestrian's Visual Hindrance Field. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2013, 14, 1753-1763.	4.7	46
16	A continuous distance model (CDM) for the single-file pedestrian movement considering step frequency and length. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 307-316.	1.2	41
17	Artificial neural network approach for modeling the impact of population density and weather parameters on forest fire risk. <i>International Journal of Wildland Fire</i> , 2009, 18, 640.	1.0	34
18	Pedestrian ascent and descent fundamental diagram on stairway. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 083403.	0.9	32

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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	Experimental study of architectural adjustments on pedestrian flow features at bottlenecks. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 083402.	0.9	28
21	Modeling pedestrian space in complex building for efficient pedestrian traffic simulation. Automation in Construction, 2013, 30, 25-36.	4.8	24
22	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
23	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
24	Effect of speed matching on fundamental diagram of pedestrian flow. Physica A: Statistical Mechanics and Its Applications, 2016, 458, 31-42.	1.2	22
25	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
26	Geometric constraint based pedestrian movement model on stairways. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 1212-1230.	1.2	21
27	Dynamics of emotional contagion in dense pedestrian crowds. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126080.	0.9	20
28	Experimental study of single-file pedestrian movement with height constraints. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 073409.	0.9	19
29	Cellular automaton modeling of pedestrian movement behavior on an escalator. Chinese Physics B, 2018, 27, 124501.	0.7	18
30	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
31	Modeling boundedly rational route choice in crowd evacuation processes. Safety Science, 2022, 147, 105590.	2.6	18
32	Bilevel Programming Model for Locating Park-and-Ride Facilities. Journal of the Urban Planning and Development Division, ASCE, 2014, 140, 04014007.	0.8	17
33	Automatic Smoke Detection in MODIS Satellite Data based on K-means Clustering and Fisher Linear Discrimination. Photogrammetric Engineering and Remote Sensing, 2014, 80, 971-982.	0.3	17
34	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
35	A Study on People's Attitude to the Use of Elevators for Fire Escape. Fire Technology, 2014, 50, 363-378.	1.5	16
36	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

#	ARTICLE	IF	CITATIONS
37	Suppression Effect of Sprinkler System on Fire Spread in Large Commercial Buildings. <i>Procedia Engineering</i> , 2016, 135, 455-462.	1.2	12
38	Automatic Clustering Method of Abnormal Crowd Flow Pattern Detection. <i>Procedia Engineering</i> , 2013, 62, 509-518.	1.2	11
39	Comprehensive evaluation of signal-coordinated arterials on traffic safety. <i>Analytic Methods in Accident Research</i> , 2019, 21, 32-43.	4.7	11
40	Effect of prediction on the self-organization of pedestrian counter flow. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 305004.	0.7	10
41	Long-range dependence and time-clustering behavior in pedestrian movement patterns in stampedes: The Love Parade case-study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 469, 265-274.	1.2	10
42	Correlation dimension of collective versus individual pedestrian movement patterns in crowd-quakes: A case-study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 452, 113-119.	1.2	8
43	A study on passengers' alighting and boarding process at metro platform by computer simulation. <i>Transportation Research, Part A: Policy and Practice</i> , 2020, 132, 840-854.	2.0	8
44	Method of Bottleneck Identification and Evaluation During Crowd Evacuation Process. <i>Procedia Engineering</i> , 2014, 71, 454-461.	1.2	7
45	Modeling effect of information percolation on pedestrian counter flow with a multi-grid model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 83, 105072.	1.7	7
46	Modeling metro passengers being eager to get aboard during the alighting and boarding process. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 714-738.	1.3	4
47	An experimental study of exit position on escape efficiency using mice under competition. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 013405.	0.9	3
48	Effect of Interaction among Same-direction Pedestrians. <i>Transportation Research Procedia</i> , 2014, 2, 353-358.	0.8	1
49	Effect of Aspiration and Mean Gain on the Emergence of Cooperation in Unidirectional Pedestrian Flow. <i>Communications in Theoretical Physics</i> , 2013, 59, 379-383.	1.1	0