

Maik Boltes

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,610
citations

840119

11
h-index

752256

20
g-index

36
all docs

36
docs citations

36
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	The fundamental diagram of pedestrian movement revisited. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P10002-P10002.	0.9	425
2	New Insights into Pedestrian Flow Through Bottlenecks. Transportation Science, 2009, 43, 395-406.	2.6	384
3	Collecting pedestrian trajectories. Neurocomputing, 2013, 100, 127-133.	3.5	228
4	Experimental Study on Pedestrian Flow through Wide Bottleneck. Transportation Research Procedia, 2014, 2, 26-33.	0.8	79
5	Enhanced Empirical Data for the Fundamental Diagram and the Flow Through Bottlenecks. , 2010, , 145-156.		76
6	Universal flow-density relation of single-file bicycle, pedestrian and car motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3274-3277.	0.9	63
7	Dynamics of social groups' decision-making in evacuations. Transportation Research Part C: Emerging Technologies, 2019, 104, 135-157.	3.9	48
8	Linking pedestrian flow characteristics with stepping locomotion. Physica A: Statistical Mechanics and Its Applications, 2018, 500, 106-120.	1.2	41
9	Panic, Irrationality, and Herding: Three Ambiguous Terms in Crowd Dynamics Research. Journal of Advanced Transportation, 2019, 2019, 1-58.	0.9	41
10	How Simple Hypothetical-Choice Experiments Can Be Utilized to Learn Humans' Navigational Escape Decisions in Emergencies. PLoS ONE, 2016, 11, e0166908.	1.1	37
11	Step styles of pedestrians at different densities. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 023406.	0.9	23
12	T-junction: Experiments, trajectory collection, and analysis. , 2011, , .		20
13	A Glossary for Research on Human Crowd Dynamics. Collective Dynamics, 0, 4, .	0.0	19
14	The influence of individual impairments in crowd dynamics. Fire and Materials, 2021, 45, 529-542.	0.9	14
15	Inflow Process of Pedestrians to a Confined Space. Collective Dynamics, 0, 1, .	0.0	14
16	Empirical Results of Pedestrian and Evacuation Dynamics. , 2018, , 1-29.		12
17	The Fundamental Diagram of Pedestrian Movement Revisited ' Empirical Results and Modelling. , 2007, , 305-314.		10
18	A Hybrid Tracking System of Full-Body Motion Inside Crowds. Sensors, 2021, 21, 2108.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Experimental study on age and gender differences in microscopic movement characteristics of students*. Chinese Physics B, 2021, 30, 098902.	0.7	9
20	Influence of individual factors on fundamental diagrams of pedestrians. Physica A: Statistical Mechanics and Its Applications, 2022, 595, 127077.	1.2	9
21	Gathering of data under laboratory conditions for the deep analysis of pedestrian dynamics in crowds. , 2017, , .		8
22	RELIABILITY ISSUES IN THE MICROSCOPIC MODELING OF PEDESTRIAN MOVEMENT. , 2011, , .		6
23	Methodology for Generating Individualised Trajectories from Experiments. , 2016, , 3-10.		6
24	Empirical Research on Pedestriansâ€™ Behavior and Crowd Dynamics. Journal of Advanced Transportation, 2019, 2019, 1-2.	0.9	5
25	System Comparison for Gait and Balance Monitoring Used for the Evaluation of a Home-Based Training. Sensors, 2022, 22, 4975.	2.1	4
26	Enstrophy amplification events in three-dimensional turbulence. Chaos, 2008, 18, 041103.	1.0	2
27	Empirical Results of Pedestrian and Evacuation Dynamics. , 2019, , 671-699.		2
28	Analysis of Crowd Dynamics with Laboratory Experiments. The Kluwer International Series in Video Computing, 2013, , 67-97.	0.7	2
29	Influence of Gender on the Fundamental Diagram and Gait Characteristics. , 2019, , 225-234.		2
30	Tracking People in Crowded Scenes. , 2014, , 533-542.		2
31	Smoothing Trajectories of Peopleâ€™s Heads. Springer Proceedings in Physics, 2020, , 21-29.	0.1	1
32	The Lagrangian picture of heat transfer in convective turbulence. Chaos, 2010, 20, 041109.	1.0	0
33	Hybrid Tracking System for Pedestrians in Dense Crowds. , 2019, , 195-203.		0
34	Influence of Corridor Width and Motivation on Pedestrians in Front of Bottlenecks. Springer Proceedings in Physics, 2020, , 3-9.	0.1	0