

Maik Boltes

List of Publications by Year in descending order

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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	Influence of individual factors on fundamental diagrams of pedestrians. Physica A: Statistical Mechanics and Its Applications, 2022, 595, 127077.	1.2	9
2	System Comparison for Gait and Balance Monitoring Used for the Evaluation of a Home-Based Training. Sensors, 2022, 22, 4975.	2.1	4
3	The influence of individual impairments in crowd dynamics. Fire and Materials, 2021, 45, 529-542.	0.9	14
4	A Hybrid Tracking System of Full-Body Motion Inside Crowds. Sensors, 2021, 21, 2108.	2.1	9
5	Experimental study on age and gender differences in microscopic movement characteristics of students*. Chinese Physics B, 2021, 30, 098902.	0.7	9
6	Smoothing Trajectories of People's Heads. Springer Proceedings in Physics, 2020, , 21-29.	0.1	1
7	Influence of Corridor Width and Motivation on Pedestrians in Front of Bottlenecks. Springer Proceedings in Physics, 2020, , 3-9.	0.1	0
8	Panic, Irrationality, and Herding: Three Ambiguous Terms in Crowd Dynamics Research. Journal of Advanced Transportation, 2019, 2019, 1-58.	0.9	41
9	Dynamics of social groups' decision-making in evacuations. Transportation Research Part C: Emerging Technologies, 2019, 104, 135-157.	3.9	48
10	Empirical Results of Pedestrian and Evacuation Dynamics. , 2019, , 671-699.		2
11	Empirical Research on Pedestrians' Behavior and Crowd Dynamics. Journal of Advanced Transportation, 2019, 2019, 1-2.	0.9	5
12	Influence of Gender on the Fundamental Diagram and Gait Characteristics. , 2019, , 225-234.		2
13	Hybrid Tracking System for Pedestrians in Dense Crowds. , 2019, , 195-203.		0
14	Linking pedestrian flow characteristics with stepping locomotion. Physica A: Statistical Mechanics and Its Applications, 2018, 500, 106-120.	1.2	41
15	Step styles of pedestrians at different densities. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 023406.	0.9	23
16	Empirical Results of Pedestrian and Evacuation Dynamics. , 2018, , 1-29.		12
17	Gathering of data under laboratory conditions for the deep analysis of pedestrian dynamics in crowds. , 2017, , .		8
18	How Simple Hypothetical-Choice Experiments Can Be Utilized to Learn Humans' Navigational Escape Decisions in Emergencies. PLoS ONE, 2016, 11, e0166908.	1.1	37

#	ARTICLE	IF	CITATIONS
19	Methodology for Generating Individualised Trajectories from Experiments. , 2016, , 3-10.		6
20	Experimental Study on Pedestrian Flow through Wide Bottleneck. Transportation Research Procedia, 2014, 2, 26-33.	0.8	79
21	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
22	Tracking People in Crowded Scenes. , 2014, , 533-542.		2
23	Collecting pedestrian trajectories. Neurocomputing, 2013, 100, 127-133.	3.5	228
24	Analysis of Crowd Dynamics with Laboratory Experiments. The Kluwer International Series in Video Computing, 2013, , 67-97.	0.7	2
25	T-junction: Experiments, trajectory collection, and analysis. , 2011, , .		20
26	RELIABILITY ISSUES IN THE MICROSCOPIC MODELING OF PEDESTRIAN MOVEMENT. , 2011, , .		6
27	The Lagrangian picture of heat transfer in convective turbulence. Chaos, 2010, 20, 041109.	1.0	0
28	Enhanced Empirical Data for the Fundamental Diagram and the Flow Through Bottlenecks. , 2010, , 145-156.		76
29	New Insights into Pedestrian Flow Through Bottlenecks. Transportation Science, 2009, 43, 395-406.	2.6	384
30	Enstrophy amplification events in three-dimensional turbulence. Chaos, 2008, 18, 041103.	1.0	2
31	The Fundamental Diagram of Pedestrian Movement Revisited – Empirical Results and Modelling. , 2007, , 305-314.		10
32	The fundamental diagram of pedestrian movement revisited. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P10002-P10002.	0.9	425
33	Inflow Process of Pedestrians to a Confined Space. Collective Dynamics, 0, 1, .	0.0	14
34	A Glossary for Research on Human Crowd Dynamics. Collective Dynamics, 0, 4, .	0.0	19