Maik Boltes

List of Publications by Year
in descending order

34	1,610	840776 11	752698 20
papers	citations	h-index	g-index

36	36	36	702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The fundamental diagram of pedestrian movement revisited. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P10002-P10002.	2.3	425
2	New Insights into Pedestrian Flow Through Bottlenecks. Transportation Science, 2009, 43, 395-406.	4.4	384
3	Collecting pedestrian trajectories. Neurocomputing, 2013, 100, 127-133.	5.9	228
4	Experimental Study on Pedestrian Flow through Wide Bottleneck. Transportation Research Procedia, 2014, 2, 26-33.	1.5	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.	2.1	63
7	Dynamics of social groupsâ€™ decision-making in evacuations. Transportation Research Part C: Emerging Technologies, 2019, 104, 135-157.	7.6	48
8	Linking pedestrian flow characteristics with stepping locomotion. Physica A: Statistical Mechanics and Its Applications, 2018, 500, 106-120.	2.6	41
9	Panic, Irrationality, and Herding: Three Ambiguous Terms in Crowd Dynamics Research. Journal of Advanced Transportation, 2019, 2019, 1-58.	1.7	41
10	How Simple Hypothetical-Choice Experiments Can Be Utilized to Learn Humansâ€™ Navigational Escape Decisions in Emergencies. PLoS ONE, 2016, 11, e0166908.	2.5	37
11	Step styles of pedestrians at different densities. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 023406.	2.3	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.	2.0	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 â€” Empirical Results and Modelling. , 2007, , 305-314.		10
18	A Hybrid Tracking System of Full-Body Motion Inside Crowds. Sensors, 2021, 21, 2108.	3.8	9

#	Article	IF	Citations
19	Experimental study on age and gender differences in microscopic movement characteristics of students*. Chinese Physics B, 2021, 30, 098902.	1.4	9
20	Influence of individual factors on fundamental diagrams of pedestrians. Physica A: Statistical Mechanics and Its Applications, 2022, 595, 127077.	2.6	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.	1.7	5
25	System Comparison for Gait and Balance Monitoring Used for the Evaluation of a Home-Based Training. Sensors, 2022, 22, 4975.	3.8	4
26	Enstrophy amplification events in three-dimensional turbulence. Chaos, 2008, 18, 041103.	2.5	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.	0.2	1
32	The Lagrangian picture of heat transfer in convective turbulence. Chaos, 2010, 20, 041109.	2.5	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.	0.2	0