

Nikolai Bode

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,347
citations

516710

16
h-index

526287

27
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28
all docs

28
docs citations

28
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic review and meta-analysis on the effect social groups have on the egress times of pedestrian crowds. <i>Transportmetrica A: Transport Science</i> , 2023, 19, .	2.0	6
2	Bayesian inference methods to calibrate crowd dynamics models for safety applications. <i>Safety Science</i> , 2022, 147, 105586.	4.9	6
3	The principles of pedestrian route choice. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220061.	3.4	19
4	The value pedestrians attribute to environmental information diminishes in route choice sequences. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 124, 102909.	7.6	14
5	Social groups barely change the speed-density relationship in unidirectional pedestrian flow, but affect operational behaviours. <i>Safety Science</i> , 2021, 139, 105259.	4.9	20
6	Higher investment levels into pre-planned routes increase the adherence of pedestrians to them. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 82, 297-315.	3.7	7
7	Comparing the route-choice behavior of pedestrians around obstacles in a virtual experiment and a field study. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 107, 120-136.	7.6	50
8	Panic, Irrationality, and Herding: Three Ambiguous Terms in Crowd Dynamics Research. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-58.	1.7	41
9	Empirical Research on Pedestrians's Behavior and Crowd Dynamics. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-2.	1.7	5
10	The emergence of macroscopic interactions between intersecting pedestrian streams. <i>Transportation Research Part B: Methodological</i> , 2019, 119, 197-210.	5.9	24
11	Exploring Determinants of Pre-movement Delays in a Virtual Crowd Evacuation Experiment. <i>Fire Technology</i> , 2019, 55, 595-615.	3.0	14
12	Using Hidden Markov Models to characterise intermittent social behaviour in fish shoals. <i>Die Naturwissenschaften</i> , 2018, 105, 7.	1.6	8
13	Route choice in pedestrians: determinants for initial choices and revising decisions. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160684.	3.4	52
14	A method for detecting characteristic patterns in social interactions with an application to handover interactions. <i>Royal Society Open Science</i> , 2017, 4, 160694.	2.4	2
15	How cognitive heuristics can explain social interactions in spatial movement. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160439.	3.4	37
16	Balancing direct and indirect sources of navigational information in a leaderless model of collective animal movement. <i>Journal of Theoretical Biology</i> , 2016, 394, 32-42.	1.7	15
17	Information use by humans during dynamic route choice in virtual crowd evacuations. <i>Royal Society Open Science</i> , 2015, 2, 140410.	2.4	59
18	Increased costs reduce reciprocal helping behaviour of humans in a virtual evacuation experiment. <i>Scientific Reports</i> , 2015, 5, 15896.	3.3	37

#	ARTICLE	IF	CITATIONS
19	Disentangling the Impact of Social Groups on Response Times and Movement Dynamics in Evacuations. PLoS ONE, 2015, 10, e0121227.	2.5	79
20	Copycat dynamics in leaderless animal group navigation. Movement Ecology, 2014, 2, .	2.8	18
21	Human responses to multiple sources of directional information in virtual crowd evacuations. Journal of the Royal Society Interface, 2014, 11, 20130904.	3.4	81
22	Visual sensory networks and effective information transfer in animal groups. Current Biology, 2013, 23, R709-R711.	3.9	343
23	Human exit route choice in virtual crowd evacuations. Animal Behaviour, 2013, 86, 347-358.	1.9	132
24	Social networks improve leaderless group navigation by facilitating long-distance communication. Environmental Epigenetics, 2012, 58, 329-341.	1.8	14
25	Distinguishing Social from Nonsocial Navigation in Moving Animal Groups. American Naturalist, 2012, 179, 621-632.	2.1	38
26	Limited interactions in flocks: relating model simulations to empirical data. Journal of the Royal Society Interface, 2011, 8, 301-304.	3.4	106
27	How perceived threat increases synchronization in collectively moving animal groups. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3065-3070.	2.6	119
28	Simulating the effect of measurement errors on pedestrian destination choice model calibration. Transportmetrica A: Transport Science, 0, , 1-41.	2.0	1