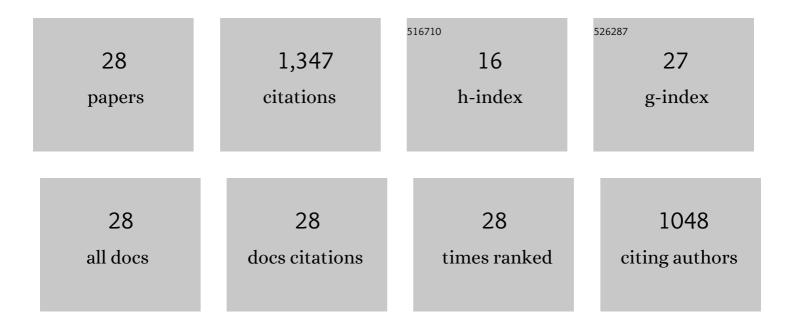
Nikolai Bode

List of Publications by Year in descending order

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NIKOLAI BODE

#	Article	IF	CITATIONS
1	Visual sensory networks and effective information transfer in animal groups. Current Biology, 2013, 23, R709-R711.	3.9	343
2	Human exit route choice in virtual crowd evacuations. Animal Behaviour, 2013, 86, 347-358.	1.9	132
3	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
4	Limited interactions in flocks: relating model simulations to empirical data. Journal of the Royal Society Interface, 2011, 8, 301-304.	3.4	106
5	Human responses to multiple sources of directional information in virtual crowd evacuations. Journal of the Royal Society Interface, 2014, 11, 20130904.	3.4	81
6	Disentangling the Impact of Social Groups on Response Times and Movement Dynamics in Evacuations. PLoS ONE, 2015, 10, e0121227.	2.5	79
7	Information use by humans during dynamic route choice in virtual crowd evacuations. Royal Society Open Science, 2015, 2, 140410.	2.4	59
8	Route choice in pedestrians: determinants for initial choices and revising decisions. Journal of the Royal Society Interface, 2017, 14, 20160684.	3.4	52
9	Comparing the route-choice behavior of pedestrians around obstacles in a virtual experiment and a field study. Transportation Research Part C: Emerging Technologies, 2019, 107, 120-136.	7.6	50
10	Panic, Irrationality, and Herding: Three Ambiguous Terms in Crowd Dynamics Research. Journal of Advanced Transportation, 2019, 2019, 1-58.	1.7	41
11	Distinguishing Social from Nonsocial Navigation in Moving Animal Groups. American Naturalist, 2012, 179, 621-632.	2.1	38
12	Increased costs reduce reciprocal helping behaviour of humans in a virtual evacuation experiment. Scientific Reports, 2015, 5, 15896.	3.3	37
13	How cognitive heuristics can explain social interactions in spatial movement. Journal of the Royal Society Interface, 2016, 13, 20160439.	3.4	37
14	The emergence of macroscopic interactions between intersecting pedestrian streams. Transportation Research Part B: Methodological, 2019, 119, 197-210.	5.9	24
15	Social groups barely change the speed-density relationship in unidirectional pedestrian flow, but affect operational behaviours. Safety Science, 2021, 139, 105259.	4.9	20
16	The principles of pedestrian route choice. Journal of the Royal Society Interface, 2022, 19, 20220061.	3.4	19
17	Copycat dynamics in leaderless animal group navigation. Movement Ecology, 2014, 2, .	2.8	18
18	Balancing direct and indirect sources of navigational information in a leaderless model of collective animal movement. Journal of Theoretical Biology, 2016, 394, 32-42.	1.7	15

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#	Article	IF	CITATIONS
19	Social networks improve leaderless group navigation by facilitating long-distance communication. Environmental Epigenetics, 2012, 58, 329-341.	1.8	14
20	Exploring Determinants of Pre-movement Delays in a Virtual Crowd Evacuation Experiment. Fire Technology, 2019, 55, 595-615.	3.0	14
21	The value pedestrians attribute to environmental information diminishes in route choice sequences. Transportation Research Part C: Emerging Technologies, 2021, 124, 102909.	7.6	14
22	Using Hidden Markov Models to characterise intermittent social behaviour in fish shoals. Die Naturwissenschaften, 2018, 105, 7.	1.6	8
23	Higher investment levels into pre-planned routes increase the adherence of pedestrians to them. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 82, 297-315.	3.7	7
24	A systematic review and meta-analysis on the effect social groups have on the egress times of pedestrian crowds. Transportmetrica A: Transport Science, 2023, 19, .	2.0	6
25	Bayesian inference methods to calibrate crowd dynamics models for safety applications. Safety Science, 2022, 147, 105586.	4.9	6
26	Empirical Research on Pedestrians' Behavior and Crowd Dynamics. Journal of Advanced Transportation, 2019, 2019, 1-2.	1.7	5
27	A method for detecting characteristic patterns in social interactions with an application to handover interactions. Royal Society Open Science, 2017, 4, 160694.	2.4	2
28	Simulating the effect of measurement errors on pedestrian destination choice model calibration. Transportmetrica A: Transport Science, 0, , 1-41.	2.0	1