Jie Zhang

List of Publications by Year
in descending order

25 papers	545 citations	686830 13 h-index	713013 21 g-index
25 all docs	25 docs citations	25 times ranked	184 citing authors

#	Article	IF	Citations
1	Investigation of the wake flow of a simplified heavy vehicle with different aspect ratios. Physics of Fluids, 2022, 34, .	1.6	12
2	Effect of bogie fairings on the flow behaviours and aerodynamic performance of a high-speed train. Vehicle System Dynamics, 2020, 58, 890-910.	2.2	13
3	A numerical investigation on the improvement of anti-snow performance of the bogies of a high-speed train. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2020, 234, 1319-1334.	1.3	8
4	Field measurements of the interior and exterior aerodynamic pressure induced by a metro train passing through a tunnel. Sustainable Cities and Society, 2020, 53, 101928.	5.1	34
5	An improved delayed detached eddy simulation study of the bogie cavity length effects on the aerodynamic performance of a high-speed train. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 2386-2401.	1.1	12
6	Anti-snow performance of snow shields designed for brake calipers of a high-speed train. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 121-140.	1.3	11
7	Numerical study on the anti-snow performance of deflectors in the bogie region of a high-speed train using the discrete phase model. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 141-159.	1.3	18
8	Detached eddy simulation of flow characteristics around railway embankments and the layout of anemometers. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 193, 103968.	1.7	21
9	Response to the discussion by C. Baker on â€œField study on high-speed train induced fluctuating pressure on a bridge noise barrierâ€•by Xiong etÂal. (2018). Journal of Wind Engineering and Industrial Aerodynamics, 2019, 185, 55-56.	1.7	0
10	An LES Investigation of the Near-Wake Flow Topology of a Simplified Heavy Vehicle. Flow, Turbulence and Combustion, 2019, 102, 389-415.	1.4	17
11	Wave effects in a realistic tunnel induced by the passage of high-speed trains. Tunnelling and Underground Space Technology, 2019, 86, 224-235.	3.0	39
12	Impact of rotation of wheels and bogie cavity shapes on snow accumulating on the bogies of high-speed trains. Cold Regions Science and Technology, 2019, 159, 58-70.	1.6	15
13	Investigation of bogie positions on the aerodynamic drag and near wake structure of a high-speed train. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 185, 41-53.	1.7	49
14	Impact of increased linings on pressure transients induced by a train passing through a tunnel. Sustainable Cities and Society, 2019, 45, 314-323.	5.1	23
15	Impact of bogie cavity shapes and operational environment on snow accumulating on the bogies of high-speed trains. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 176, 211-224.	1.7	34
16	A study of snow accumulating on the bogie and the effects of deflectors on the de-icing performance in the bogie region of a high-speed train. Cold Regions Science and Technology, 2018, 148, 121-130.	1.6	43
17	Comparative analysis of the effect of different nose lengths on train aerodynamic performance under crosswind. Journal of Fluids and Structures, 2018, 78, 69-85.	1.5	68
18	Field study on high-speed train induced fluctuating pressure on a bridge noise barrier. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 177, 157-166.	1.7	30

#	Article	IF	Citations
19	Numerical study of snow accumulation on the bogies of a high-speed train using URANS coupled with discrete phase model. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 183, 295-314.	1.7	16
20	Performance of a turbine driven by train-induced wind in a tunnel. Tunnelling and Underground Space Technology, 2018, 82, 416-427.	3.0	16
21	Seismic Performance and Failure Mechanism Study of Double Deck Bridges by Pushover Analysis. IABSE Symposium Report, 2017, , .	0.0	0
22	Effect of increased linings on micro-pressure waves in a high-speed railway tunnel. Tunnelling and Underground Space Technology, 2016, 52, 62-70.	3.0	54
23	Location of anemometer along Lanzhou-Xinjiang railway. Journal of Central South University, 2014, 21, 3698-3704.	1.2	12
24	Research of Risk Assessment Technology for Long-span Bridge. IABSE Symposium Report, 2010, , .	0.0	0
25	Experimental Investigation on Mechanical Behavior of Y-shaped Steel and Concrete Composite Joints. , 2008, , .		0