Guang Chen

List of Publications by Year
in descending order

26 papers	**509** citations	687363 **13** h-index	677142 **22** g-index
28 all docs	**28** docs citations	**28** times ranked	**117** citing authors

#	Article	IF	Citations
1	Dynamic analysis of the effect of nose length on train aerodynamic performance. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 184, 198-208.	3.9	67
2	The effect of bogie fairings on the slipstream and wake flow of a high-speed train. An IDDES study. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 191, 183-202.	3.9	49
3	Dynamic analysis of the flow fields around single- and double-unit trains. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 188, 136-150.	3.9	48
4	IDDES simulation of the performance and wake dynamics of the wind turbines under different turbulent inflow conditions. Energy, 2022, 238, 121772.	8.8	35
5	Numerical simulation of pressure transients caused by high-speed train passage through a railway station. Building and Environment, 2020, 184, 107228.	6.9	34
6	Modelling of wake dynamics and instabilities of a floating horizontal-axis wind turbine under surge motion. Energy, 2022, 239, 122110.	8.8	27
7	Influences of marshalling length on the flow structure of a maglev train. International Journal of Heat and Fluid Flow, 2020, 85, 108604.	2.4	25
8	On the aerodynamic loads when a high speed train passes under an overhead bridge. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 202, 104208.	3.9	24
9	Thermal-hydraulic performance in a tube with punched delta winglets inserts in turbulent flow. International Journal of Thermal Sciences, 2022, 172, 107326.	4.9	23
10	Effect of the ballast height on the slipstream and wake flow of high-speed train. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 207, 104404.	3.9	17
11	Aerodynamic Effects as a Maglev Train Passes Through a Noise Barrier. Flow, Turbulence and Combustion, 2020, 105, 761-785.	2.6	17
12	Numerical simulation of slipstreams and wake flows of trains with different nose lengths passing through a tunnel. Tunnelling and Underground Space Technology, 2021, 108, 103701.	6.2	16
13	Impact of Different Nose Lengths on Flow-Field Structure around a High-Speed Train. Applied Sciences (Switzerland), 2019, 9, 4573.	2.5	15
14	Research on spectral estimation parameters for application of spectral proper orthogonal decomposition in train wake flows. Physics of Fluids, 2021, 33, .	4.0	13
15	Numerical investigation of the pressure and friction resistance of a high-speed subway train based on an overset mesh method. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 598-615.	2.0	10
16	Numerical Study of the Aerodynamic Performance of a Train with a Crosswind for Different Embankment Heights. Flow, Turbulence and Combustion, 2021, 107, 105-123.	2.6	10
17	Dynamic analysis of the effect of platoon configuration on train aerodynamic performance. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 211, 104564.	3.9	10
18	The Effect of the Nose Length on the Aerodynamics of a High-Speed Train Passing Through a Noise Barrier. Flow, Turbulence and Combustion, 2022, 108, 411-431.	2.6	10

#	Article	IF	Citations
19	On the correlation between aerodynamic drag and wake flow for a generic high-speed train. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 215, 104698.	3.9	10
20	Numerical investigation of vortex induced vibration effects on the heat transfer for various aspect ratios ellipse cylinder. International Journal of Thermal Sciences, 2021, 170, 107138.	4.9	10
21	Effect of incoming boundary layer thickness on the flow dynamics of a square finite wall-mounted cylinder. Physics of Fluids, 2022, 34, .	4.0	10
22	Experimental and numerical research on wind characteristics affected by actual mountain ridges and windbreaks: a case study of the Lanzhou-Xinjiang high-speed railway. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 1385-1403.	3.1	9
23	Numerical study of flow and noise predictions for tandem cylinders using incompressible improved delayed detached eddy simulation combined with acoustic perturbation equations. Ocean Engineering, 2021, 224, 108740.	4.3	9
24	Numerical analysis of the effect of train length on train aerodynamic performance. AIP Advances, 2022, 12, .	1.3	5
25	Numerical and Experimental Investigations of Micro Thermal Performance in a Tube with Delta Winglet Pairs. Micromachines, 2021, 12, 786.	2.9	3
26	Numerical investigation of the slipstream characteristics of a maglev train in a tunnel. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2023, 237, 179-192.	2.0	3