

# Dan Zhou

## List of Publications by Year in descending order

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35  
papers

819  
citations

567281

15  
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501196

28  
g-index

36  
all docs

36  
docs citations

36  
times ranked

898  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Evolution Characteristic and Implication of Coalbed Methane Desorption Stages Division for Tectonically Deformed Coals. Transport in Porous Media, 2022, 141, 713-736.	2.6	4
4	Numerical analysis of the effect of train length on train aerodynamic performance. AIP Advances, 2022, 12, .	1.3	5
5	The Effect of Concave Size on the Aerodynamics of a Maglev Train. Journal of Bionic Engineering, 2022, 19, 709-723.	5.0	2
6	Comparative analysis of the slipstream of different nose lengths on two trains passing each other. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 208, 104457.	3.9	17
7	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
8	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
9	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
10	Ralstonia solanacearum type III effector RipV2 encoding a novel E3 ubiquitin ligase (NEL) is required for full virulence by suppressing plant PAMP-triggered immunity. Biochemical and Biophysical Research Communications, 2021, 550, 120-126.	2.1	19
11	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
12	Characteristics of in situ stress and its influence on coal seam permeability in the Liupanshui Coalfield, Western Guizhou. Energy Science and Engineering, 2021, 9, 1773-1786.	4.0	8
13	Coronavirus disease 2019 and the gut-lung axis. International Journal of Infectious Diseases, 2021, 113, 300-307.	3.3	23
14	Analysis and prediction models of flow field in mountain tunnels under strong canyon wind. Tunnelling and Underground Space Technology, 2021, 120, 104258.	6.2	1
15	Study on the effect of dimple position on drag reduction of high-speed maglev train. Transportation Safety and Environment, 2021, 3, .	2.1	18
16	Numerical Study of the Unsteady Aerodynamic Performance of Two Maglev Trains Passing Each Other in Open Air Using Different Turbulence Models. Applied Sciences (Switzerland), 2021, 11, 11894.	2.5	1
17	Numerical simulation of pressure transients caused by high-speed train passage through a railway station. Building and Environment, 2020, 184, 107228.	6.9	34
18	Moving model analysis on the transient pressure and slipstream caused by a metro train passing through a tunnel. PLoS ONE, 2019, 14, e0222151.	2.5	28

#	ARTICLE	IF	CITATIONS
19	Study of the unsteady aerodynamic performance of an inter-city train passing through a station in a tunnel. <i>Tunnelling and Underground Space Technology</i> , 2019, 86, 1-9.	6.2	24
20	Impact of Different Nose Lengths on Flow-Field Structure around a High-Speed Train. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4573.	2.5	15
21	Sliding Mode Control with Extended State Observer for Multi-axis Motion Control System. , 2019, , .		3
22	Dynamic analysis of the effect of nose length on train aerodynamic performance. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 184, 198-208.	3.9	67
23	Cost-effective and environmentally friendly synthesis of 3D Ni <sub>2</sub> P from scrap nickel for highly efficient hydrogen evolution in both acidic and alkaline media. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4088-4094.	10.3	46
24	Numerical investigation of the aerodynamic characteristics of high-speed trains of different lengths under crosswind with or without windbreaks. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2018, 12, 195-215.	3.1	46
25	Ultrarapid in Situ Synthesis of Cu <sub>2</sub> S Nanosheet Arrays on Copper Foam with Room-Temperature-Active Iodine Plasma for Efficient and Cost-Effective Oxygen Evolution. <i>ACS Catalysis</i> , 2018, 8, 3859-3864.	11.2	129
26	A new moving model test method for the measurement of aerodynamic drag coefficient of high-speed trains based on machine vision. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018, 232, 1425-1436.	2.0	6
27	Effects of yaw angle on the unsteady aerodynamic performance of the pantograph of a high-speed train under crosswind. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 182, 49-60.	3.9	43
28	Numerical investigation of the aerodynamic characteristics of a train subjected to different ground conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018, 232, 2371-2384.	2.0	4
29	Numerical simulation of aerodynamic performance of a couple multiple units high-speed train. <i>Vehicle System Dynamics</i> , 2017, 55, 681-703.	3.7	71
30	Moving Model Test of High-Speed Train Aerodynamic Drag Based on Stagnation Pressure Measurements. <i>PLoS ONE</i> , 2017, 12, e0169471.	2.5	14
31	Numerical calculation of boundary layers and wake characteristics of high-speed trains with different lengths. <i>PLoS ONE</i> , 2017, 12, e0189798.	2.5	16
32	Effect of bacteria on the transport and deposition of multi-walled carbon nanotubes in saturated porous media. <i>Environmental Pollution</i> , 2016, 213, 895-903.	7.5	25
33	Smoke movement in a tunnel of a running metro train on fire. <i>Journal of Central South University</i> , 2015, 22, 208-213.	3.0	16
34	Synthesis of mesoporous carbon fibers with a high adsorption capacity for bulky dye molecules. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7391.	10.3	75
35	Process Design and Elastic Performance Study of Semi-molding Jacquard Female High Elastic Skirt Waist. , 2012, , .		0