Dan Zhou

List of Publications by Year
in descending order

35 papers	819 citations	567281 15 h-index	501196 28 g-index
36 all docs	36 docs citations	36 times ranked	898 citing authors

#	Article	IF	Citations
1	Ultrarapid in Situ Synthesis of Cu_2S Nanosheet Arrays on Copper Foam with Room-Temperature-Active Iodine Plasma for Efficient and Cost-Effective Oxygen Evolution. ACS Catalysis, 2018, 8, 3859-3864.	11.2	129
2	Synthesis of mesoporous carbon fibers with a high adsorption capacity for bulky dye molecules. Journal of Materials Chemistry A, 2013, 1, 7391.	10.3	75
3	Numerical simulation of aerodynamic performance of a couple multiple units high-speed train. Vehicle System Dynamics, 2017, 55, 681-703.	3.7	71
4	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
5	Cost-effective and environmentally friendly synthesis of 3D Ni_2P from scrap nickel for highly efficient hydrogen evolution in both acidic and alkaline media. Journal of Materials Chemistry A, 2018, 6, 4088-4094.	10.3	46
6	Numerical investigation of the aerodynamic characteristics of high-speed trains of different lengths under crosswind with or without windbreaks. Engineering Applications of Computational Fluid Mechanics, 2018, 12, 195-215.	3.1	46
7	Effects of yaw angle on the unsteady aerodynamic performance of the pantograph of a high-speed train under crosswind. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 182, 49-60.	3.9	43
8	Numerical simulation of pressure transients caused by high-speed train passage through a railway station. Building and Environment, 2020, 184, 107228.	6.9	34
9	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
10	Effect of bacteria on the transport and deposition of multi-walled carbon nanotubes in saturated porous media. Environmental Pollution, 2016, 213, 895-903.	7.5	25
11	Study of the unsteady aerodynamic performance of an inter-city train passing through a station in a tunnel. Tunnelling and Underground Space Technology, 2019, 86, 1-9.	6.2	24
12	Coronavirus disease 2019 and the gutâ€"lung axis. International Journal of Infectious Diseases, 2021, 113, 300-307.	3.3	23
13	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
14	Study on the effect of dimple position on drag reduction of high-speed maglev train. Transportation Safety and Environment, 2021, 3, .	2.1	18
15	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
16	Smoke movement in a tunnel of a running metro train on fire. Journal of Central South University, 2015, 22, 208-213.	3.0	16
17	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
18	Numerical calculation of boundary layers and wake characteristics of high-speed trains with different lengths. PLoS ONE, 2017, 12, e0189798.	2.5	16

#	Article	IF	Citations
19	Impact of Different Nose Lengths on Flow-Field Structure around a High-Speed Train. Applied Sciences (Switzerland), 2019, 9, 4573.	2.5	15
20	Moving Model Test of High-Speed Train Aerodynamic Drag Based on Stagnation Pressure Measurements. PLoS ONE, 2017, 12, e0169471.	2.5	14
21	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
22	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
23	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
24	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
25	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
26	A new moving model test method for the measurement of aerodynamic drag coefficient of high-speed trains based on machine vision. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 1425-1436.	2.0	6
27	Numerical analysis of the effect of train length on train aerodynamic performance. AIP Advances, 2022, 12, .	1.3	5
28	Numerical investigation of the aerodynamic characteristics of a train subjected to different ground conditions. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 2371-2384.	2.0	4
29	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
30	Sliding Mode Control with Extended State Observer for Multi-axis Motion Control System. , 2019, , .		3
31	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
32	The Effect of Concave Size on the Aerodynamics of a Maglev Train. Journal of Bionic Engineering, 2022, 19, 709-723.	5.0	2
33	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
34	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
35	Process Design and Elastic Performance Study of Semi-molding Jacquard Female High Elastic Skirt Waist. , 2012, , .		0