Tian-tian Wang

List of Publications by Year
in descending order

49	828	567281	526287
papers	citations	15	27
		h-index	g-index

50	50	50	683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of extraction methods on the yield, chemical structure and anti-tumor activity of polysaccharides from Cordyceps gunnii mycelia. Carbohydrate Polymers, 2016, 140, 461-471.	10.2	127
2	Reduction of pressure transients of high-speed train passing through a tunnel by cross-section increase. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 183, 235-242.	3.9	56
3	*Lnc-chop* Promotes Immunosuppressive Function of Myeloid-Derived Suppressor Cells in Tumor and Inflammatory Environments. Journal of Immunology, 2018, 200, 2603-2614.	0.8	54
4	Collision performance and multi-objective robust optimization of a combined multi-cell thin-walled structure for high speed train. Thin-Walled Structures, 2019, 135, 341-355.	5.3	48
5	The origami inspired optimization design to improve the crashworthiness of a multi-cell thin-walled structure for high speed train. International Journal of Mechanical Sciences, 2019, 159, 345-358.	6.7	42
6	Polysaccharide from Pleurotus nebrodensis induces apoptosis via a mitochondrial pathway in HepG2 cells. Food and Function, 2016, 7, 455-463.	4.6	38
7	Numerical simulation and comparison of the slipstreams of trains with different nose lengths under crosswind. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 190, 256-272.	3.9	38
8	Numerical and Experimental Study on Ventilation Panel Models in a Subway Passenger Compartment. Engineering, 2019, 5, 329-336.	6.7	36
9	The influence of reduced cross-section on pressure transients from high-speed trains intersecting in a tunnel. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 201, 104161.	3.9	34
10	High-speed train overturning safety under varying wind speed conditions. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 198, 104111.	3.9	28
11	Numerical investigation of influence of pantograph parameters and train length on aerodynamic drag of high-speed train. Journal of Central South University, 2020, 27, 1334-1350.	3.0	22
12	Risks of Ear Complaints of Passengers and Drivers While Trains Are Passing Through Tunnels at High Speed: A Numerical Simulation and Experimental Study. International Journal of Environmental Research and Public Health, 2019, 16, 1283.	2.6	19
13	Effect of non-circular tunnel linings on pressure transients induced by high-speed train passes through a tunnel based on moving model test. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 214, 104649.	3.9	19
14	Design method of the variable cross-section tunnel focused on improving passenger pressure comfort of trains intersecting in the tunnel. Building and Environment, 2022, 221, 109336.	6.9	19
15	Hydrothermal synthesis of two-dimensional cadmium(II) micro-porous coordination material based on Bi-functional building block and its application in highly sensitive detection of Fe^{3+} and $Cr_2O_7^{2-}$. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 254, 119655.	3.9	17
16	Effect of localized high temperature on the aerodynamic performance of a high-speed train passing through a tunnel. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 208, 104444.	3.9	16
17	600 km/h moving model rig for high-speed train aerodynamics. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 227, 105063.	3.9	16
18	Influence of enlarged section parameters on pressure transients of high-speed train passing through a tunnel. Journal of Central South University, 2018, 25, 2831-2840.	3.0	14

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19	Aural comfort prediction method for high-speed trains under complex tunnel environments. Transportation Research, Part D: Transport and Environment, 2020, 81, 102284.	6.8	14
20	A Practical Structural Health Monitoring System for High-Speed Train Car-Body. IEEE Access, 2019, 7, 168316-168326.	4.2	13
21	Crashworthiness optimisation for the rectangular tubes with axisymmetric and uniform thicknesses under offset loading. Structural and Multidisciplinary Optimization, 2020, 62, 957-977.	3.5	13
22	Impact of the trailing edge shape of a downstream dummy vehicle on train aerodynamics subjected to crosswind. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 201-214.	2.0	13
23	Calculation grid and turbulence model for numerical simulating pressure fluctuations in high-speed train tunnel. Journal of Central South University, 2019, 26, 2870-2877.	3.0	12
24	Band gap narrowing and magnetic properties of transition‐metal‐doped $Ba_{0.85}Ca_{0.15}Ti_{0.9}Zr_{0.1}O_3$ lead‐free ceramics. Journal of the American Ceramic Society, 2020, 103, 2491-2498.	3.8	12
25	Investigation on flow field structure and aerodynamic load in vacuum tube transportation system. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 215, 104681.	3.9	9
26	Research on the mechanism of micro-pressure waves in a high-speed train passing through a high geo-temperature tunnel. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 226, 105031.	3.9	9
27	Energy consumption analysis and multiple-criteria evaluation of high-speed trains with different marshaled forms in China. Science of the Total Environment, 2021, 759, 143678.	8.0	8
28	Aerodynamic Noise Simulation and Quadrupole Noise Problem of 600km/h High-Speed Train. IEEE Access, 2019, 7, 124866-124875.	4.2	7
29	Convenient ultrasonic preparation of a water stable cluster-based Cadmium(II) coordination material and highly sensitive fluorescent sensing for biomarkers DPA and 5-HT. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119092.	3.9	7
30	Experimental investigations on the performance of anti-snow designs for urban rail train bogies. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 221, 104913.	3.9	7
31	Numerical simulation of sand load applied on high-speed train in sand environment. Journal of Central South University, 2017, 24, 442-447.	3.0	6
32	Influence of Vacuum Level on Heat Transfer Characteristics of Maglev Levitation Electromagnet Module. Applied Sciences (Switzerland), 2020, 10, 1106.	2.5	6
33	Research on the influence of different heating zone lengths on pressure waves and a newly designed method of pressure wave mitigation in railway tunnels. Tunnelling and Underground Space Technology, 2022, 122, 104379.	6.2	6
34	Towards Prognostic and Health Management of Train Wheels in the Chinese Railway Industry. IEEE Access, 2019, 7, 115292-115303.	4.2	5
35	Structural phase transition, optical bandgap, interband electronic transition, and improved magnetism in bivalent Ca-, Sr-, Pb-, and Ba-doped BiFeO3 ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 8464-8471.	2.2	5
36	The Effect of Bogie Positions on the Aerodynamic Behavior of a High-Speed Train: An IDDES Study. Flow, Turbulence and Combustion, 2021, 107, 257-282.	2.6	5

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37	**Double-layer acoustic metasurface for the suppression of the Mack second mode in hypersonic boundary-layer flow**. Physics of Fluids, 0, , .	4.0	5
38	Structural Damage Identification Based on Transmissibility in Time Domain. Sensors, 2022, 22, 393.	3.8	4
39	DNA-Based Molecular Engineering of the Cell Membrane. Membranes, 2022, 12, 111.	3.0	4
40	Research on the characteristics of micro-pressure waves in high-temperature geothermal railway tunnels and a self-satisfying mitigation method. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 104998.	3.9	4
41	Structural, optical, and enhanced multiferroic properties of xCoFe2O4-(1 − x)K0.5Bi0.5TiO3 ferrite–ferroelectric composites. Journal of Materials Science: Materials in Electronics, 2020, 31, 10639-10648.	2.2	3
42	Deflection Calculation and Dynamic Detection of Non-Uniform Beam via Multi-Point Strain Measurement for Freight Trains. IEEE Access, 2019, 7, 104692-104709.	4.2	2
43	A stabilized finite element method based on characteristic-based polynomial pressure projection scheme for incompressible flows. International Journal for Numerical Methods in Fluids, 2021, 93, 1993-2014.	1.6	2
44	Structural, ferromagnetic and optical properties of pure bismuth A-site polar perovskite Bi(Mg3/8Fe2/8Ti3/8)O3 synthesized at ambient pressure. Journal of Materials Science: Materials in Electronics, 2017, 28, 934-938.	2.2	1
45	Hydrothermal syntheses of a series of copper (II), cadmium (II), and silver (I) coordination polymers with the new 3,5-bis-(triazol-1-yl)-pyridine ligand: structural diversity, anion pollutant absorption, and fluorescent properties. Inorganic and Nano-Metal Chemistry, 2021, 51, 814-822.	1.6	1
46	Modified room-temperature magnetic and optical properties in bilayer xBi6Fe2Ti3O18−(1−x)CoFe2O4 composite thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 10320-10328.	2.2	1
47	Depth Prototype Clustering Method Based on Unsupervised Field Alignment for Bearing Fault Identification of Mechanical Equipment. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	1
48	Enhanced Thermoelectric Cooling through Introduction of Material Anisotropy in Transverse Thermoelectric Composites. Materials, 2019, 12, 2049.	2.9	0
49	Cellulase-assisted extraction and anti-ultraviolet activity of polysaccharides from the root of Flammulina velutipes on Caenorhabditis elegans. Pakistan Journal of Pharmaceutical Sciences, 2018, 31, 2487-2495.	0.2	0