

Tian-tian Wang

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

828
citations

567281

15
h-index

526287

27
g-index

50
all docs

50
docs citations

50
times ranked

683
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Damage Identification Based on Transmissibility in Time Domain. <i>Sensors</i> , 2022, 22, 393.	3.8	4
2	DNA-Based Molecular Engineering of the Cell Membrane. <i>Membranes</i> , 2022, 12, 111.	3.0	4
3	Experimental investigations on the performance of anti-snow designs for urban rail train bogies. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022, 221, 104913.	3.9	7
4	Research on the influence of different heating zone lengths on pressure waves and a newly designed method of pressure wave mitigation in railway tunnels. <i>Tunnelling and Underground Space Technology</i> , 2022, 122, 104379.	6.2	6
5	Depth Prototype Clustering Method Based on Unsupervised Field Alignment for Bearing Fault Identification of Mechanical Equipment. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-14.	4.7	1
6	Research on the characteristics of micro-pressure waves in high-temperature geothermal railway tunnels and a self-satisfying mitigation method. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022, 225, 104998.	3.9	4
7	Research on the mechanism of micro-pressure waves in a high-speed train passing through a high geo-temperature tunnel. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022, 226, 105031.	3.9	9
8	Design method of the variable cross-section tunnel focused on improving passenger pressure comfort of trains intersecting in the tunnel. <i>Building and Environment</i> , 2022, 221, 109336.	6.9	19
9	600 km/h moving model rig for high-speed train aerodynamics. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022, 227, 105063.	3.9	16
10	Impact of the trailing edge shape of a downstream dummy vehicle on train aerodynamics subjected to crosswind. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2021, 235, 201-214.	2.0	13
11	Convenient ultrasonic preparation of a water stable cluster-based Cadmium(II) coordination material and highly sensitive fluorescent sensing for biomarkers DPA and 5-HT. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119092.	3.9	7
12	Effect of localized high temperature on the aerodynamic performance of a high-speed train passing through a tunnel. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 208, 104444.	3.9	16
13	Energy consumption analysis and multiple-criteria evaluation of high-speed trains with different marshaled forms in China. <i>Science of the Total Environment</i> , 2021, 759, 143678.	8.0	8
14	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. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 814-822.	1.6	1
15	The Effect of Bogie Positions on the Aerodynamic Behavior of a High-Speed Train: An IDDES Study. <i>Flow, Turbulence and Combustion</i> , 2021, 107, 257-282.	2.6	5
16	A stabilized finite element method based on characteristic-based polynomial pressure projection scheme for incompressible flows. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 1993-2014.	1.6	2
17	Modified room-temperature magnetic and optical properties in bilayer $x\text{Bi}_6\text{Fe}_2\text{Ti}_3\text{O}_{18} \cdot n\text{H}_2\text{O} \cdot (1-x)\text{CoFe}_2\text{O}_4$ composite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10320-10328.	2.2	1
18	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 $\text{Cr}_2\text{O}_7^{2-}$. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 254, 119655.	3.9	17

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19	Effect of non-circular tunnel linings on pressure transients induced by high-speed train passes through a tunnel based on moving model test. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 214, 104649.	3.9	19
20	Investigation on flow field structure and aerodynamic load in vacuum tube transportation system. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 215, 104681.	3.9	9
21	Band gap narrowing and magnetic properties of transition-metal-doped $\text{Ba}_{0.85}\text{Ca}_{0.15}\text{Ti}_{0.9}\text{Zr}_{0.1}\text{O}_{3\lambda}$ lead-free ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 2491-2498.	3.8	12
22	Numerical investigation of influence of pantograph parameters and train length on aerodynamic drag of high-speed train. <i>Journal of Central South University</i> , 2020, 27, 1334-1350.	3.0	22
23	Crashworthiness optimisation for the rectangular tubes with axisymmetric and uniform thicknesses under offset loading. <i>Structural and Multidisciplinary Optimization</i> , 2020, 62, 957-977.	3.5	13
24	Aural comfort prediction method for high-speed trains under complex tunnel environments. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 81, 102284.	6.8	14
25	High-speed train overturning safety under varying wind speed conditions. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 198, 104111.	3.9	28
26	Structural phase transition, optical bandgap, interband electronic transition, and improved magnetism in bivalent Ca-, Sr-, Pb-, and Ba-doped BiFeO_3 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8464-8471.	2.2	5
27	Structural, optical, and enhanced multiferroic properties of $x\text{CoFe}_2\text{O}_4\text{-}(1-x)\text{K}_0.5\text{Bi}_0.5\text{TiO}_3$ ferrite-ferroelectric composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10639-10648.	2.2	3
28	The influence of reduced cross-section on pressure transients from high-speed trains intersecting in a tunnel. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 201, 104161.	3.9	34
29	Influence of Vacuum Level on Heat Transfer Characteristics of Maglev Levitation Electromagnet Module. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1106.	2.5	6
30	Deflection Calculation and Dynamic Detection of Non-Uniform Beam via Multi-Point Strain Measurement for Freight Trains. <i>IEEE Access</i> , 2019, 7, 104692-104709.	4.2	2
31	Enhanced Thermoelectric Cooling through Introduction of Material Anisotropy in Transverse Thermoelectric Composites. <i>Materials</i> , 2019, 12, 2049.	2.9	0
32	Aerodynamic Noise Simulation and Quadrupole Noise Problem of 600km/h High-Speed Train. <i>IEEE Access</i> , 2019, 7, 124866-124875.	4.2	7
33	Towards Prognostic and Health Management of Train Wheels in the Chinese Railway Industry. <i>IEEE Access</i> , 2019, 7, 115292-115303.	4.2	5
34	Numerical simulation and comparison of the slipstreams of trains with different nose lengths under crosswind. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 190, 256-272.	3.9	38
35	The origami inspired optimization design to improve the crashworthiness of a multi-cell thin-walled structure for high speed train. <i>International Journal of Mechanical Sciences</i> , 2019, 159, 345-358.	6.7	42
36	Risks of Ear Complaints of Passengers and Drivers While Trains Are Passing Through Tunnels at High Speed: A Numerical Simulation and Experimental Study. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1283.	2.6	19

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37	Numerical and Experimental Study on Ventilation Panel Models in a Subway Passenger Compartment. <i>Engineering</i> , 2019, 5, 329-336.	6.7	36
38	Calculation grid and turbulence model for numerical simulating pressure fluctuations in high-speed train tunnel. <i>Journal of Central South University</i> , 2019, 26, 2870-2877.	3.0	12
39	A Practical Structural Health Monitoring System for High-Speed Train Car-Body. <i>IEEE Access</i> , 2019, 7, 168316-168326.	4.2	13
40	Collision performance and multi-objective robust optimization of a combined multi-cell thin-walled structure for high speed train. <i>Thin-Walled Structures</i> , 2019, 135, 341-355.	5.3	48
41	<i>lnc-chop</i> Promotes Immunosuppressive Function of Myeloid-Derived Suppressor Cells in Tumor and Inflammatory Environments. <i>Journal of Immunology</i> , 2018, 200, 2603-2614.	0.8	54
42	Reduction of pressure transients of high-speed train passing through a tunnel by cross-section increase. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 183, 235-242.	3.9	56
43	Influence of enlarged section parameters on pressure transients of high-speed train passing through a tunnel. <i>Journal of Central South University</i> , 2018, 25, 2831-2840.	3.0	14
44	Cellulase-assisted extraction and anti-ultraviolet activity of polysaccharides from the root of <i>Flammulina velutipes</i> on <i>Caenorhabditis elegans</i> . <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018, 31, 2487-2495.	0.2	0
45	Structural, ferromagnetic and optical properties of pure bismuth A-site polar perovskite $\text{Bi}(\text{Mg}_{3/8}\text{Fe}_{2/8}\text{Ti}_{3/8})\text{O}_3$ synthesized at ambient pressure. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 934-938.	2.2	1
46	Numerical simulation of sand load applied on high-speed train in sand environment. <i>Journal of Central South University</i> , 2017, 24, 442-447.	3.0	6
47	Effects of extraction methods on the yield, chemical structure and anti-tumor activity of polysaccharides from <i>Cordyceps gunnii</i> mycelia. <i>Carbohydrate Polymers</i> , 2016, 140, 461-471.	10.2	127
48	Polysaccharide from <i>Pleurotus nebrodensis</i> induces apoptosis via a mitochondrial pathway in HepG2 cells. <i>Food and Function</i> , 2016, 7, 455-463.	4.6	38
49	Double-layer acoustic metasurface for the suppression of the Mack second mode in hypersonic boundary-layer flow. <i>Physics of Fluids</i> , 0, , .	4.0	5