

Haichao Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

120
citations

1478505

6
h-index

1372567

10
g-index

21
all docs

21
docs citations

21
times ranked

90
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of effects of tire contour on aerodynamic characteristics and its optimization. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 2756-2772.	1.9	3
2	Study of the dynamic performance of rolling non-pneumatic tires using finite element method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, .	1.6	5
3	Relationship between Tire Ground Characteristics and Vibration Noise. Strojnicki Vestnik/Journal of Mechanical Engineering, 2021, 67, 11-26.	1.1	4
4	A Strain-Based Method to Estimate Longitudinal Force for Intelligent Tires by Using a Physics-Based Model. Strojnicki Vestnik/Journal of Mechanical Engineering, 2021, 67, 153-166.	1.1	8
5	Research on Vibration Reduction Method of Nonpneumatic Tire Spoke Based on the Mechanical Properties of Domestic cat's Paw Pads. Applied Bionics and Biomechanics, 2021, 2021, 1-16.	1.1	7
6	Evaluation of Shear Stress Transport, Large Eddy Simulation and Detached Eddy Simulation for the Flow around a Statically Loaded Tire. Symmetry, 2021, 13, 1319.	2.2	0
7	Evaluation of Tire Rolling Resistance from Tire-Deformable Pavement Interaction Modeling. Journal of Transportation Engineering Part B: Pavements, 2021, 147, .	1.5	4
8	Aerodynamic Characteristics of Isolated Loaded Tires with Different Tread Patterns: Experiment and Simulation. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	3.7	10
9	Investigation of wheelhouse shapes on the aerodynamic characteristics of a generic car model. Advances in Mechanical Engineering, 2021, 13, 168781402110668.	1.6	1
10	Optimization of tire tread pattern based on flow characteristics to improve hydroplaning resistance. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 2961-2974.	1.9	5
11	Design of Two-Wheeled Motorcycle Tire Crown Contour Bioinspired by Cat Paw Pads. Applied Bionics and Biomechanics, 2020, 2020, 1-10.	1.1	8
12	Adaptability of Kinetic Parameters to a Narrow Speed Range in Healthy Free-Moving Cats. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	2
13	Numerical Investigation of Aerodynamic Noise Reduction of Nonpneumatic Tire Using Nonsmooth Riblet Surface. Applied Bionics and Biomechanics, 2020, 2020, 1-13.	1.1	5
14	A Calculational Aero-Acoustic Study of Spokes of an Isolated Nonpneumatic Tire. Tire Science and Technology, 2020, 48, 46-61.	0.4	3
15	Abnormal wear analysis of straddle-type monorail vehicle running wheel tire. Advances in Mechanical Engineering, 2019, 11, 168781401988975.	1.6	5
16	Optimal Design for an Extruder Head Runner Based on Response Surface Method and Simulated Annealing Algorithm. International Journal of Polymer Science, 2018, 2018, 1-10.	2.7	4
17	Study of the Influence of Tire Belt Structure on Vibration Noise. Recent Patents on Mechanical Engineering, 2018, 10, .	0.3	1
18	Numerical investigation of passive control flow to improve tire hydroplaning performance using a V-riblet non-smooth surface. Advances in Mechanical Engineering, 2017, 9, 168781401772724.	1.6	10

#	ARTICLE	IF	CITATIONS
19	Investigation of the Effect of Dimple Bionic Nonsmooth Surface on Tire Antihydroplaning. Applied Bionics and Biomechanics, 2015, 2015, 1-10.	1.1	5
20	Effect of Friction Model and Tire Maneuvering on Tire-Pavement Contact Stress. Advances in Materials Science and Engineering, 2015, 2015, 1-11.	1.8	27
21	Bionic Method for Improving Tire Anti-hydroplaning Performance. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2015, 51, 125.	0.5	3