

# Yongjie Lu

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

73  
citations

1937685  
4  
h-index

1588992  
8  
g-index

14  
all docs

14  
docs citations

14  
times ranked

40  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of vehicle-pavement coupled system based on a revised flexible roller contact tire model. Science in China Series D: Earth Sciences, 2009, 52, 721-730.	0.9	20
2	Research on dynamics of a class of heavy vehicle-tire-road coupling system. Science China Technological Sciences, 2011, 54, 2054-2063.	4.0	15
3	Dynamic response of a piecewise linear single-degree-of-freedom oscillator with fractional-order derivative. Journal of Low Frequency Noise Vibration and Active Control, 2021, 40, 72-83.	2.9	6
4	Path tracking control of an autonomous vehicle with model-free adaptive dynamic programming and RBF neural network disturbance compensation. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 825-841.	1.9	6
5	Research on the Identification of Tyre-Road Peak Friction Coefficient under Full Slip Rate Range Based on Normalized Tyre Model. Actuators, 2022, 11, 59.	2.3	5
6	Study on Cutting Form and Surface Machining Quality of Wheel Tread under Reprofilng. Advances in Materials Science and Engineering, 2017, 2017, 1-12.	1.8	4
7	Heavy-Duty Vehicle Braking Stability Control and HIL Verification for Improving Traffic Safety. Journal of Advanced Transportation, 2022, 2022, 1-27.	1.7	4
8	Construction of Three-Dimensional Road Surface and Application on Interaction between Vehicle and Road. Shock and Vibration, 2018, 2018, 1-14.	0.6	3
9	A novel adaptive model following controller to enhance steering and roll stability of heavy vehicle. Journal of Mechanical Science and Technology, 2021, 35, 5287-5297.	1.5	3
10	Sliding mode control for overturning prevention and hardware-in-loop experiment of heavy-duty vehicles based on dynamical load transfer ratio prediction. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2022, 236, 68-83.	0.8	3
11	Optimization and Design of a Railway Wheel Profile Based on Interval Uncertainty to Reduce Circular Wear. Mathematical Problems in Engineering, 2020, 2020, 1-10.	1.1	2
12	Study on Influence of Diversified Parameters of Vehicle and Track on Wheel Hollow Wear. Shock and Vibration, 2018, 2018, 1-11.	0.6	1
13	Research on Brake Failure Control of Heavy Commercial Vehicles Based on Turning Conditions. , 2020, , .		1
14	Research on Nonlinear Robust Control of Steering/Braking System of Heavy-duty Vehicle. , 2019, , .		0