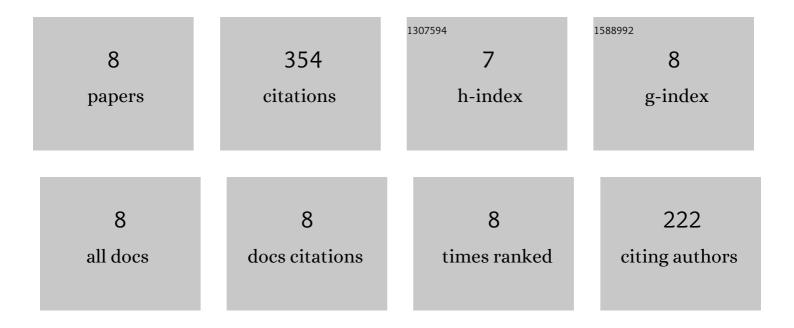
Zhigang Liu

List of Publications by Year in descending order

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ніслыс Ціц

#	Article	IF	CITATIONS
1	Nonlinear analysis of wind-induced vibration of high-speed railway catenary and its influence on pantograph–catenary interaction. Vehicle System Dynamics, 2016, 54, 723-747.	3.7	81
2	Active control of contact force for high-speed railway pantograph-catenary based on multi-body pantograph model. Mechanism and Machine Theory, 2017, 115, 35-59.	4.5	67
3	Nonlinear modelling of high-speed catenary based on analytical expressions of cable and truss elements. Vehicle System Dynamics, 2015, 53, 1455-1479.	3.7	56
4	A methodology to study high-speed pantograph-catenary interaction with realistic contact wire irregularities. Mechanism and Machine Theory, 2020, 152, 103940.	4.5	45
5	Dynamic Performance of High-Speed Railway Overhead Contact Line Interacting With Pantograph Considering Local Dropper Defect. IEEE Transactions on Vehicular Technology, 2020, 69, 5958-5967.	6.3	43
6	Detection of Contact Wire Irregularities Using a Quadratic Time–Frequency Representation of the Pantograph–Catenary Contact Force. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1385-1397.	4.7	42
7	Sliding Mode Control with PD Sliding Surface for High-Speed Railway Pantograph-Catenary Contact Force under Strong Stochastic Wind Field. Shock and Vibration, 2017, 2017, 1-16.	0.6	19
8	A Comparative Study on the Wind Deflection of Railway Overhead Contact Line Based on Empirical Formula and Finite Element Approach. Shock and Vibration, 2021, 2021, 1-9.	0.6	1