

Zhigang Liu

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|---|---|-----|-----------|
| 1 | 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 |
| 2 | A methodology to study high-speed pantograph-catenary interaction with realistic contact wire irregularities. Mechanism and Machine Theory, 2020, 152, 103940. | 4.5 | 45 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |