

# Danfeng Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

276  
citations

1307594

7  
h-index

1058476

14  
g-index

25  
all docs

25  
docs citations

25  
times ranked

144  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Active Control of Maglev Stationary Self-Excited Vibration With a Virtual Energy Harvester. IEEE Transactions on Industrial Electronics, 2015, 62, 2942-2951.	7.9	62
2	An adaptive vibration control method to suppress the vibration of the maglev train caused by track irregularities. Journal of Sound and Vibration, 2017, 408, 331-350.	3.9	60
3	Review of Coupled Vibration Problems in EMS Maglev Vehicles. International Journal of Acoustics and Vibrations, 2010, 15, .	0.3	35
4	Suppression of the stationary maglev vehicleâ€“bridge coupled resonance using a tuned mass damper. JVC/Journal of Vibration and Control, 2013, 19, 191-203.	2.6	33
5	Amplitude control of the track-induced self-excited vibration for a maglev system. ISA Transactions, 2014, 53, 1463-1469.	5.7	13
6	Decoupling Control of Maglev Train Based on Feedback Linearization. IEEE Access, 2019, 7, 130352-130362.	4.2	12
7	An Experimental Validated Control Strategy of Maglev Vehicle-Bridge Self-Excited Vibration. Applied Sciences (Switzerland), 2017, 7, 38.	2.5	10
8	An adaptive control method to suppress the maglev track-induced self-excited vibration. , 2011, , .		6
9	Magnetic Flux Feedback Strategy to Suppress the Gap Fluctuation of Low Speed Maglev Train Caused by Track Steps. , 2018, , .		6
10	Dynamic Performance Optimization of Electromagnetic Levitation System Considering Sensor Position. IEEE Access, 2020, 8, 29446-29455.	4.2	6
11	The Modeling and Analysis for the Self-Excited Vibration of the Maglev Vehicle-Bridge Interaction System. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	5
12	Suspension system status detection of maglev train based on machine learning using levitation sensors. , 2017, , .		4
13	Stability and control of maglev vehicleâ€“girder coupled system considering torsional vibration of the girder. ISA Transactions, 2021, 111, 309-322.	5.7	4
14	Suppression of the Maglev Vehicle-Track Coupled Self-Excited Vibration Using Two Gap Sensors. , 2019, , .		3
15	Adaptive vibration control of the electromagnet-track coupled high frequency resonance for an urban maglev system. Transportation Systems and Technology, 2018, 4, 92-106.	0.4	3
16	An Approach to Reduce Vibration of the Levitation System when the Urban Maglev Train is Traveling. , 2018, , .		2
17	Adaptive Vibration Control of the Maglev Vehicle-Track Coupled High Frequency Resonance. , 2020, , .		2
18	Trampolining of Droplets on Hydrophobic Surfaces Using Electrowetting. Micromachines, 2022, 13, 345.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Nonlinear Electromagnetic Force Model and Its Application to Magnetic Levitation Control System. , 2022, , .		2
20	Amplitude control of the track-induced self-excited vibration in a maglev system. , 2013, , .		1
21	An performance assessment method for suspension control system of maglev train. , 2016, , .		1
22	The underlying principles of self-excited vibration in maglev vehicle-bridge coupled system. , 2016, , .		1
23	Response and control of a levitation module under track irregularities when the maglev train is traveling. , 2017, , .		1
24	Design of a Maglev Vibration Test Platform for the Research of Maglev Vehicle-girder Coupled Vibration Problem. MATEC Web of Conferences, 2017, 95, 09004.	0.2	1
25	Vertical Dynamic Response Prediction of the Electromagnetic Levitation Systems. Applied Sciences (Switzerland), 2020, 10, 2580.	2.5	1