

# Danfeng Zhou

## List of Publications by Year in descending order

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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	Trampolining of Droplets on Hydrophobic Surfaces Using Electrowetting. <i>Micromachines</i> , 2022, 13, 345.	2.9	2
2	Nonlinear Electromagnetic Force Model and Its Application to Magnetic Levitation Control System. , 2022, , .		2
3	Stability and control of maglev vehicle“girder coupled system considering torsional vibration of the girder. <i>ISA Transactions</i> , 2021, 111, 309-322.	5.7	4
4	Dynamic Performance Optimization of Electromagnetic Levitation System Considering Sensor Position. <i>IEEE Access</i> , 2020, 8, 29446-29455.	4.2	6
5	Vertical Dynamic Response Prediction of the Electromagnetic Levitation Systems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2580.	2.5	1
6	Adaptive Vibration Control of the Maglev Vehicle-Track Coupled High Frequency Resonance. , 2020, , .		2
7	Decoupling Control of Maglev Train Based on Feedback Linearization. <i>IEEE Access</i> , 2019, 7, 130352-130362.	4.2	12
8	Suppression of the Maglev Vehicle-Track Coupled Self-Excited Vibration Using Two Gap Sensors. , 2019, , .		3
9	An Approach to Reduce Vibration of the Levitation System when the Urban Maglev Train is Traveling. , 2018, , .		2
10	Magnetic Flux Feedback Strategy to Suppress the Gap Fluctuation of Low Speed Maglev Train Caused by Track Steps. , 2018, , .		6
11	Adaptive vibration control of the electromagnet-track coupled high frequency resonance for an urban maglev system. <i>Transportation Systems and Technology</i> , 2018, 4, 92-106.	0.4	3
12	Suspension system status detection of maglev train based on machine learning using levitation sensors. , 2017, , .		4
13	Response and control of a levitation module under track irregularities when the maglev train is traveling. , 2017, , .		1
14	An adaptive vibration control method to suppress the vibration of the maglev train caused by track irregularities. <i>Journal of Sound and Vibration</i> , 2017, 408, 331-350.	3.9	60
15	Design of a Maglev Vibration Test Platform for the Research of Maglev Vehicle-girder Coupled Vibration Problem. <i>MATEC Web of Conferences</i> , 2017, 95, 09004.	0.2	1
16	An Experimental Validated Control Strategy of Maglev Vehicle-Bridge Self-Excited Vibration. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 38.	2.5	10
17	An performance assessment method for suspension control system of maglev train. , 2016, , .		1
18	The underlying principles of self-excited vibration in maglev vehicle-bridge coupled system. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	The Modeling and Analysis for the Self-Excited Vibration of the Maglev Vehicle-Bridge Interaction System. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-10.	1.1	5
20	The Active Control of Maglev Stationary Self-Excited Vibration With a Virtual Energy Harvester. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 2942-2951.	7.9	62
21	Amplitude control of the track-induced self-excited vibration for a maglev system. <i>ISA Transactions</i> , 2014, 53, 1463-1469.	5.7	13
22	Amplitude control of the track-induced self-excited vibration in a maglev system. , 2013, , .		1
23	Suppression of the stationary maglev vehicleâ€“bridge coupled resonance using a tuned mass damper. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 191-203.	2.6	33
24	An adaptive control method to suppress the maglev track-induced self-excited vibration. , 2011, , .		6
25	Review of Coupled Vibration Problems in EMS Maglev Vehicles. <i>International Journal of Acoustics and Vibrations</i> , 2010, 15, .	0.3	35