

# Wei Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

219  
citations

1307594

7  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Melnikov-type method for a class of hybrid piecewise-smooth systems with impulsive effect and noise excitation: Homoclinic orbits. <i>Chaos</i> , 2022, 32, .	2.5	5
2	Theoretical and experimental studies of global dynamics for a class of bistable nonlinear impact oscillators with bilateral rigid constraints. <i>International Journal of Non-Linear Mechanics</i> , 2021, 133, 103720.	2.6	25
3	An Improved Structural Analysis Method for Isolator with Quasi-Zero-Stiffness Characteristic. <i>Shock and Vibration</i> , 2021, 2021, 1-13.	0.6	0
4	Suppressing homoclinic chaos for a weak periodically excited non-smooth oscillator. <i>Nonlinear Dynamics</i> , 2020, 99, 1621-1642.	5.2	13
5	Experimental Study of Scissor-like-structure Vibration Isolator. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 926, 012001.	0.6	1
6	The Melnikov method for detecting chaotic dynamics in a planar hybrid piecewise-smooth system with a switching manifold. <i>Nonlinear Dynamics</i> , 2017, 89, 939-953.	5.2	18
7	A theoretical model for functionally graded shape memory alloy cylinders subjected to internal pressure. <i>Journal of Materials Research</i> , 2017, 32, 1397-1406.	2.6	2
8	Analysis on nonlinear stiffness and vibration isolation performance of scissor-like structure with full types. <i>Nonlinear Dynamics</i> , 2016, 86, 17-36.	5.2	37
9	A new method of single celestial-body sun positioning based on theory of mechanisms. <i>Chinese Journal of Aeronautics</i> , 2016, 29, 248-256.	5.3	3
10	Melnikov Method for a Class of Planar Hybrid Piecewise-Smooth Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650030.	1.7	12
11	A characteristic triangle method on input vectors of scissor lift mechanism and its applications in modeling and analysis. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2015, 9, JAMDSM0042-JAMDSM0042.	0.7	9
12	Multi-pulse chaotic dynamics in non-planar motion of parametrically excited viscoelastic moving belt. <i>Journal of Sound and Vibration</i> , 2012, 331, 2624-2653.	3.9	94