

# Yong-Jun Shen

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,267  
citations

430874

18  
h-index

377865

34  
g-index

62  
all docs

62  
docs citations

62  
times ranked

663  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Dynamic analysis and vibration control of two-degree-of-freedom boring bar with fractional-order model of magnetorheological fluid. JVC/Journal of Vibration and Control, 2022, 28, 3001-3018.                     | 2.6  | 4         |
| 2  | Parameters optimization of dynamic vibration absorber based on grounded stiffness, inerter, and amplifying mechanism. JVC/Journal of Vibration and Control, 2022, 28, 3767-3779.                                   | 2.6  | 10        |
| 3  | Cross-Domain Open-Set Machinery Fault Diagnosis Based on Adversarial Network With Multiple Auxiliary Classifiers. IEEE Transactions on Industrial Informatics, 2022, 18, 8077-8086.                                | 11.3 | 36        |
| 4  | Dynamic Characteristics of a Variable Damping Isolator with Translating Cam. Shock and Vibration, 2022, 2022, 1-9.   | 0.6  | 0         |
| 5  | Vibration control of primary and subharmonic simultaneous resonance of nonlinear system with fractional-order Bingham model. International Journal of Non-Linear Mechanics, 2022, 141, 103947.                     | 2.6  | 3         |
| 6  | Chaotic Threshold of a Nonlinear Zener Systems Based on the Melnikov Method. Mathematical Problems in Engineering, 2022, 2022, 1-10.   | 1.1  | 0         |
| 7  | Cluster Oscillation of a Fractional-Order Duffing System with Slow Variable Parameter Excitation. Fractal and Fractional, 2022, 6, 295.  | 3.3  | 1         |
| 8  | H <sub>∞</sub> optimization of Maxwell dynamic vibration absorber with multiple negative stiffness springs. Journal of Low Frequency Noise Vibration and Active Control, 2021, 40, 1558-1570.                      | 2.9  | 2         |
| 9  | Forced vibration of two-degrees-of-freedom machine tool feed system with clearance and friction. Applied Mathematical Modelling, 2021, 92, 281-296.  | 4.2  | 9         |
| 10 | Dynamic response of a piecewise linear single-degree-of-freedom oscillator with fractional-order derivative. Journal of Low Frequency Noise Vibration and Active Control, 2021, 40, 72-83.                         | 2.9  | 6         |
| 11 | Design and dynamic analysis of integrated architecture for vibration energy harvesting including piezoelectric frame and mechanical amplifier. Applied Mathematics and Mechanics (English Edition), 2021, 42, 755. | 3.6  | 9         |
| 12 | A piecewise negative stiffness mechanism and its application in dynamic vibration absorber. International Journal of Mechanical System Dynamics, 2021, 1, 173-181.   | 2.8  | 3         |
| 13 | Bifurcation and stability analysis of commensurate fractional-order van der Pol oscillator with time-delayed feedback. Indian Journal of Physics, 2020, 94, 1615-1624.   | 1.8  | 1         |
| 14 | Bifurcation study on fractional non-smooth oscillator containing clearance constraints. Journal of Low Frequency Noise Vibration and Active Control, 2020, , 146134842096095.                                      | 2.9  | 1         |
| 15 | Optimization and analysis of a grounded type dynamic vibration absorber with lever component. Science Progress, 2020, 103, 003685042095988.  | 1.9  | 7         |
| 16 | Stability and bifurcation analysis of two-degrees-of-freedom vibro-impact system with fractional-order derivative. International Journal of Non-Linear Mechanics, 2020, 126, 103570.                               | 2.6  | 7         |
| 17 | Primary and subharmonic simultaneous resonance of fractional-order Duffing oscillator. Nonlinear Dynamics, 2020, 102, 1485-1497.   | 5.2  | 22        |
| 18 | Subharmonic resonance of single-degree-of-freedom piecewise-smooth nonlinear oscillator. Acta Mechanica Sinica/Lixue Xuebao, 2020, 36, 1109-1118.  | 3.4  | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Approximate analytical solution in slow-fast system based on modified multi-scale method. Applied Mathematics and Mechanics (English Edition), 2020, 41, 605-622.                                   | 3.6 | 5         |
| 20 | Cluster oscillation and bifurcation of fractional-order Duffing system with two time scales. Acta Mechanica Sinica/Lixue Xuebao, 2020, 36, 926-932.   | 3.4 | 3         |
| 21 | Dynamic analysis and vibration control of nonlinear boring bar with fractional-order model of magnetorheological fluid. International Journal of Non-Linear Mechanics, 2020, 121, 103459.           | 2.6 | 14        |
| 22 | Primary Resonance of Computer Numerical Control Worktable with Clearance and Friction. Journal of Computational and Nonlinear Dynamics, 2020, , .   | 1.2 | 1         |
| 23 | New periodic-chaotic attractors in slow-fast Duffing system with periodic parametric excitation. Scientific Reports, 2019, 9, 11185.  | 3.3 | 10        |
| 24 | Detection and identification of cutting chatter based on improved variational nonlinear chirp mode decomposition. International Journal of Advanced Manufacturing Technology, 2019, 104, 2567-2578. | 3.0 | 12        |
| 25 | Parameters optimization and performance evaluation for the novel inerter-based dynamic vibration absorbers with negative stiffness. Journal of Sound and Vibration, 2019, 463, 114941.              | 3.9 | 50        |
| 26 | Parameters optimization for a novel dynamic vibration absorber. Mechanical Systems and Signal Processing, 2019, 133, 106282.  | 8.0 | 54        |
| 27 | Stability and bifurcation analysis of single-degree-of-freedom linear vibro-impact system with fractional-order derivative. Chaos, Solitons and Fractals, 2019, 123, 14-23.                         | 5.1 | 16        |
| 28 | Chaos detection of Duffing system with fractional-order derivative by Melnikov method. Chaos, 2019, 29, 123106.   | 2.5 | 32        |
| 29 | Higher-order approximate steady-state solutions for strongly nonlinear systems by the improved incremental harmonic balance method. JVC/Journal of Vibration and Control, 2018, 24, 3744-3757.      | 2.6 | 14        |
| 30 | Analytical threshold for chaos in a Duffing oscillator with delayed feedbacks. International Journal of Non-Linear Mechanics, 2018, 98, 173-179.  | 2.6 | 15        |
| 31 | Optimal control and parameters design for the fractional-order vehicle suspension system. Journal of Low Frequency Noise Vibration and Active Control, 2018, 37, 456-467.                           | 2.9 | 20        |
| 32 | Analysis and Optimization of the Novel Inerter-Based Dynamic Vibration Absorbers. IEEE Access, 2018, 6, 33169-33182.  | 4.2 | 26        |
| 33 | Dynamical response of Mathieu's Duffing oscillator with fractional-order delayed feedback. Chaos, Solitons and Fractals, 2017, 94, 54-62.   | 5.1 | 26        |
| 34 | Improved method for detecting weak abrupt information based on permutation entropy. Advances in Mechanical Engineering, 2017, 9, 168781401668666.   | 1.6 | 9         |
| 35 | Analysis of Duffing oscillator with time-delayed fractional-order PID controller. International Journal of Non-Linear Mechanics, 2017, 92, 66-75.   | 2.6 | 17        |
| 36 | Dynamical analysis of a single degree-of-freedom impact oscillator with impulse excitation. Advances in Mechanical Engineering, 2017, 9, 168781401771661.   | 1.6 | 5         |

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|----|---|-----|-----------|
| 37 | Analytically optimal parameters of dynamic vibration absorber with negative stiffness. <i>Mechanical Systems and Signal Processing</i> , 2017, 85, 193-203.   | 8.0 | 106       |
| 38 | Parameters Optimization for a Kind of Dynamic Vibration Absorber with Negative Stiffness. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.   | 1.1 | 24        |
| 39 | Primary Resonance of Dry-Friction Oscillator With Fractional-Order Proportional-Integral-Derivative Controller of Velocity Feedback. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016, 11, . | 1.2 | 5         |
| 40 | Dynamical analysis of strongly nonlinear fractional-order Mathieu-Duffing equation. <i>Chaos</i> , 2016, 26, 084309.  | 2.5 | 12        |
| 41 | Dynamical analysis of Mathieu equation with two kinds of van der Pol fractional-order terms. <i>International Journal of Non-Linear Mechanics</i> , 2016, 84, 130-138.                                    | 2.6 | 16        |
| 42 | Dynamical analysis of fractional-order nonlinear oscillator by incremental harmonic balance method. <i>Nonlinear Dynamics</i> , 2016, 85, 1457-1467.  | 5.2 | 45        |
| 43 | Slow-fast effect and generation mechanism of brusselator based on coordinate transformation. <i>Open Physics</i> , 2016, 14, 261-268.   | 1.7 | 4         |
| 44 | Analytically optimal parameters of fractional-order dynamic vibration absorber. <i>Journal of Vibroengineering</i> , 2016, 18, 2714-2734.   | 1.0 | 5         |
| 45 | Dynamical Analysis on Single Degree-of-Freedom Semiactive Control System by Using Fractional-Order Derivative. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-13.                            | 1.1 | 2         |
| 46 | Optimal design for fractional-order active isolation system. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401562259.  | 1.6 | 2         |
| 47 | Subharmonic Resonance of Van Der Pol Oscillator with Fractional-Order Derivative. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-17.   | 1.1 | 7         |
| 48 | Primary resonance of fractional-order van der Pol oscillator. <i>Nonlinear Dynamics</i> , 2014, 77, 1629-1642.  | 5.2 | 63        |
| 49 | Analysis on limit cycle of fractional-order van der Pol oscillator. <i>Chaos, Solitons and Fractals</i> , 2014, 67, 94-102.   | 5.1 | 49        |
| 50 | Nonlinear dynamical analysis and parameters optimization of four semi-active on-off dynamic vibration absorbers. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 143-160.                         | 2.6 | 41        |
| 51 | Analytical research on a single degree-of-freedom semi-active oscillator with time delay. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 1895-1905.  | 2.6 | 12        |
| 52 | Nonlinear Dynamical Analysis on Four Semi-Active Dynamic Vibration Absorbers with Time Delay. <i>Shock and Vibration</i> , 2013, 20, 649-663.   | 0.6 | 22        |
| 53 | Primary resonance of Duffing oscillator with two kinds of fractional-order derivatives. <i>International Journal of Non-Linear Mechanics</i> , 2012, 47, 975-983.   | 2.6 | 88        |
| 54 | Primary resonance of Duffing oscillator with fractional-order derivative. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 3092-3100.                                      | 3.3 | 125       |

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|----|--|-----|-----------|
| 55 | Recent advances in dynamics and control of hysteretic nonlinear systems. Chaos, Solitons and Fractals, 2009, 40, 1808-1822.  | 5.1 | 24        |
| 56 | Nonlinear dynamics of a spur gear pair with time-varying stiffness and backlash based on incremental harmonic balance method. International Journal of Mechanical Sciences, 2006, 48, 1256-1263. | 6.7 | 146       |
| 57 | Application of Magnetorheological Damper in Vibration Control of Locomotive. , 2006, , .   |     | 3         |
| 58 | An Electro-Mechanical Coupling Model of Magnetorheological Damper. International Journal of Nonlinear Sciences and Numerical Simulation, 2005, 6, .  | 1.0 | 7         |
| 59 | Effect of interpolation methods on fast computation of fractional fourier transform. , 0, , .  |     | 1         |
| 60 | Chaos threshold analysis of Duffing oscillator with fractional-order delayed feedback control. European Physical Journal: Special Topics, 0, , 1.  | 2.6 | 3         |
| 61 | Parameter optimization of a grounded dynamic vibration absorber with lever and inerter. Journal of Low Frequency Noise Vibration and Active Control, 0, , 146134842110682.                       | 2.9 | 2         |