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| 姓　名 | 郝育新 | 性　别 | 男 | 职称 | 教授 |
| 最后学历 | 研究生 | 最后学位 | 博士 | 获学位单位 | 北京工业大学 |
| 任硕导时间 | 2011 | 任博导时间 | 2019 | E-mail | bimhao@163.com |
| 所属学科及学科方向 | 智能机械装备设计 | | | 研究方向 1 | 智能超材料结构动力学与控制 |
| | 智能机械装备设计与控制 | | | 研究方向 2 | 智能可变体结构动力学与控制 |
| 工作简历 | 1. 1999/07-至今，　北京信息科技大学，机电工程学院<br>2. 2007/08-2007/10　香港城市大学助理研究员<br>3 2010/10-2010/11　墨尔本皇家理工大学航空航天学院合作研究 | | | | |
| 科研项目情况 | 1. **国家自然科学基金面上项目**，10972026，复杂边界条件下功能梯度材料板壳结构的非线性动力学研究，2010/01-2012/12 至今，30 万元，主持<br>2. **国家自然科学基金面上项目**，11272063，功能梯度圆柱/圆锥扁壳气动热弹性非线性动力学行为研究，2013/01-2016/12，80 万元，主持<br>3 **国家自然科学基金面上项目**，11472056，功能梯度夹层双曲抛物壳非线性动力学研究，2015/01-2018/12，82 万元，主持<br>4 **国家自然科学基金面上项目**，11872127，压电宏纤维复合材料智能驱动双稳态板的非线性动力学研究，2019/01-2022/12，76 万元，主持<br>5 **国家自然科学基金面上项目**，12272056，纤维曲线铺放变刚度智能双稳态层合结构非线性动力学研究，2023/01-2026/12，70 万元，主持<br>6 **国家自然科学基金重点项目**，大型柔性航天器姿态运动与结构振动的耦合动力学特性研究，2018/01-2022/12，85 万元，参与 | | | | |
| 主要科研成果 | 1. 2022 获中国振动工程学会科学技术（基础研究）一等奖，排名第三<br>2. 2022 入选“全球前 2%顶尖科学家”榜单<br>3. **Y.X. Hao**, H. Li, W. Zhang, X.J. Gu, S.W. Yang, Nonlinear vibration of porous truncated conical shell under unified boundary condition and mechanical load Author links open overlay panel, Thin-Walled Structures, 195, 2024, 111355. **SCI** 收录<br>4. **Y. X. Hao**, Y.Y. Liu, W. Zhang, L.T. Liu, K.C. Sun, S.W. Yang, Natural vibration of cantilever porous twisted plate with variable thickness in different directions, Defence Technology, 2023, 27 (2023) 200-221. **SCI** 收录<br>5. H. Li, **Y.X. Hao**, W. Zhang, S.W. Yang, Y.T. Cao, Vibration analysis of the porous metal cylindrical curved panel by using the differential quadrature method, Thin-Walled Structures 186 (2023) 110694. **SCI** 收录<br>6. **Y.X. Hao**, L. Sun, W. Zhang, H. Li, W. Li, S. W. Yang, Study on the Fundamental Frequency and Dynamic Mode of Traveling Wave Vibration of Rotating PJCS, International Journal of | | | | |

Structural Stability and Dynamics, (2024) 2450280 (32 pages), DOI: 10.1142/S0219455424502808. **SCI** 收录

7. W. Chen, **Y. X. Hao**, W. Zhang, S. W. Yang, Y. T. Cao, Vibration Isolation Performance of a Novel Metamaterials Sandwich Cylindrical Panel by Locally Resonant Band Gap, Journal of Vibration Engineering & Technologies, https://doi.org/10.1007/s42417-023-01242-7. **SCI** 收录
8. Y. Xu, **Y.X. Hao**, W. Zhang, X.L. Huang, L.T. Liu, Band gaps and dynamics of locally resonant meta-plate with stiffness adjustable low frequency resonator, Journal of Vibration and Control, 2023, Vol. 0(0) 1–13, DOI: 10.1177/10775463231220434. **SCI** 收录
9. H.F. Song, **Y.X. Hao**, W. Zhang, J. N. Chen, X. J. Gu, Cross-well dynamics for vibration energy harvesting of base-excited antisymmetric bi-stable laminate with a point being fixed, Mechanics of advanced materials and structures https://doi.org/10.1080/15376494.2023.2300382. **SCI** 收录
10. **Y. X. Hao**, W.B. Zhou, W. Zhang, S.W. Yang, Y.T. Cao, Dynamic snap-through of bi-stable laminates with simply supported at four corners under impact loads, Mechanics Based Design of Structures and Machines, 2024, VOL. 52, NO. 3, 1584–1603, https://doi.org/10.1080/15397734.2022.2155191. **SCI** 收录
11. K.C. Sun, **Y. X. Hao**, W. Zhang, S.W. Yang, Y.T. Cao, Effect of grapheme reinforcement on free vibration and material properties of the FG-GPLRC porous cantilever torsional plate, International Journal of Structural Stability and Dynamics, 2024, (2024) 2450041. **SCI** 收录
12. **Y.X. Hao**, H. Li, W. Zhang, X.J. Gu, S.W. Yang, Nonlinear vibration of porous truncated conical shell under unified boundary condition and mechanical load Author links open overlay panel, Thin-Walled Structures, 195, 2024, 111355. **SCI** 收录
13. Y.G. Xu, **Y. X. Hao**, W. Zhang, Y.H. Zhang, Free Vibration Analysis of Trapezoidal Bi-Stable Laminates Supported at the Elastic Midpoint of the Median Line, Mathematics 2023, 11, 3326. **SCI** 收录
14. J. Cao, **Y. X. Hao**, W. Zhang, L.T. Liu, S.W. Yang, Y.T. Cao, Bi-stability and vibration of asymmetric and antisymmetric laminates with four points simply supported at arbitrary location, Journal of Vibration Engineering & Technologies, (2023) 11:1679–1695. **SCI** 收录
15. **Y.X. Hao**, C.P. Bai, W. Zhang, L.T. Liu, S.W. Yang, Intrawell and interwell oscillations for bi-stable cross-ply laminates actuated by MFC under oscillating impulse voltages,

International Journal of Non-Linear Mechanics 143 (2022) 1040. SCI 收录 **SCI** 收录

16. **Y.X. Hao**, H. Li, W. Zhang, X.S. Ge, S.W. Yang, Y.T. Cao, Active vibration control of smart porous conical shell with elastic boundary under impact loadings using GDQM and IQM, Thin-Walled Structures 175 (2022) 109232. **SCI** 收录
17. H. Li, **Y.X. Hao**, W. Zhang, L.T. Liu, S.W. Yang, Y.T. Cao, Natural vibration of an elastically supported porous truncated joined conical-conical shells using artificial spring technology and generalized differential quadrature method, Aerospace Science and Technology, 121(2022) 107385. **SCI** 收录
18. Y.Y. Liu, **Y. X. Hao**, W. Zhang, L.T. Liu, S.W. Yang, Y. T. Cao, Frequency Veering of Rotating Metal Porous Twisted Plate with Cantilever Boundary Using Shell Theory, Acta Mechanica Solida Sinica, 35(2022), 282–302. **SCI** 收录
19. **Y.X. Hao**, M.X. Wang, W. Zhang, S.W. Yang, L.T. Liu, Y.H. Qian，Bending-torsion coupling bursting oscillation of a sandwich conical panel under parametric excitation，Journal of Sound and Vibration 495, 2021, 115904 **SCI** 收录
20. **Y.X. Hao**, MX Wang, W Zhang, LT Liu, and SW Yang，Natural vibration of imperfect sandwich plates considering the effects of transverse stretching，Journal of Vibration and Control 2021, DOI: 10.1177 /10775463211013153. **SCI** 收录
21. **Y. X. Hao**, Z. Cao, W. Zhang, J. Chen and M. H. Yao, Stability analysis for geometric nonlinear functionally graded sandwich, Composite Structures 210, 2019. 202-216. **SCI** 收录
22. **Y. X. Hao**, K. F. Zhao, W. Zhang and S. W. Yang, Nonlinear dynamics and dynamic instability of smart structural cross-ply laminated cantilever plates with MFC layer using zigzag theory, Applied Mathematical Modelling 79, 2020, 639-671. **SCI** 收录
23. **Y. X. Hao**, Y. Niu, W. Zhang, M. H. Yao and S. B. Li, Nonlinear vibrations of FGM circular conical panel under in-plane and transverse excitation, Journal of Vibration Engineering & Technologies 6, 2018, 453-469. **SCI** 收录
24. **Y. X. Hao**, Z. N. Li, W. Zhang, S. B. Li and M. H. Yao, Vibration of functionally graded sandwich doubly curved shells using improved shear deformation theory, Science China-Technological Sciences 61, 2018,791-808. **SCI** 收录
25. **Y. X. Hao**, W. Li, W. Zhang, S. B. Li and M. H. Yao, Nonlinear dynamics of clamped initial imperfect functionally graded material circular cylindrical shell considering the axisymmetric mode, Advances in Applied Mathematics and Mechanics 10, 2018, 159-183. **SCI** 收录

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| | 26. **Y. X. Hao**, S. W. Yang, W. Zhang, M. H. Yao and A. W. Wang, Flutter of high-dimension nonlinear system for a FGM truncated conical shell, Mechanics of Advanced Materials and Structures 25, 2018, 47-61. **SCI** 收录<br>27. Y. X. Hao, Y. Niu, W. Zhang, M. H. Yao and A. W. Wang, Supersonic flutter analysis of FGM shallow conical panel accounting for thermal effects, Meccanica 53, 2018, 95-109. **SCI** 收录<br>28. H. Li, **Y.X. Hao**, W. Zhang, L.T. Liu, S.W. Yang, D.M. Wang，Vibration analysis of porous metal foam truncated conical shells with general boundary conditions using GDQ，Composite Structures 269, 2021, 114036. **SCI** 收录<br>29. C.X. Qiang, **Y.X. Hao**, W. Zhang, J.Q. Li, S.W. Yang, Y.T. Cao, Bandgaps and vibration isolation of local resonance sandwich-like plate with simply supported overhanging beam, Appl. Math. Mech. -Engl. Ed. 42(11), 2021,1555{1570. **SCI** 收录<br>30. W. Li, **Y.X. Hao**, W. Zhang, H. Yang，Resonance response of clamped functionally graded cylindrical shells with initial imperfection in thermal environments，Composite Structures 259, 2021, 113245. **SCI** 收录<br>31. X. J. Gu, **Y. X. Hao**, W. Zhang and J. Chen, Dynamic stability of rotating cantilever composite thin walled twisted plate with initial geometric imperfection under in-plane load, Thin-Walled Structures 144, 106267, 2019. **SCI** 收录<br>32. X. J. Gu, **Y. X. Hao**, W. Zhang, L. T. Liu and J. Chen, Free vibration of rotating cantilever pre-twisted panel with initial exponential function type geometric imperfection, Applied Mathematical Modelling 68, 327-352, 2019. **SCI** 收录<br>33. Z. N. Li, **Y. X. Hao**, W. Zhang and J. H. Zhang, Nonlinear transient response of functionally graded material sandwich doubly curved shallow shell using new displacement field, Acta Mechanica Solida Sinica 31, 108-126, 2018. **SCI** 收录<br>34. L. T. Liu, **Y. X. Hao**, W. Zhang and J. Chen, Free vibration analysis of rotating pretwisted functionally graded sandwich blades, International Journal of Aerospace Engineering, 2727452, 2018. **SCI** 收录<br>35. Y. Niu, Y. X. Hao, M. H. Yao, W. Zhang and S. W. Yang, Nonlinear dynamics of imperfect FGM conical panel, Shock and Vibration, 4187386, 2018. **SCI** 收录 |
| 获奖情况 | 1. 2023 获第四届校教学创新大赛一等奖<br>2. 2023 获第十届校教学名师称号 |

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| | 3. 2022 获“思政教育优秀导师”称号<br>4. 多次获“育人先锋”和“三育人”称号<br>5. 指导研究生的学位论文 9 次被评为“优秀硕士毕业论文”<br>6. 2022 获“优秀研究生指导教师”称号<br>7. 2023 校级优秀主讲教师称号<br>8. 2021 获“北京信息科技大学优秀共产党员”称号<br>9. 2023 入选校“课程思政微视频优秀教学案例库” |
| 开授课程 | 研究生课程：弹性理论基础，机械振动理论，学科前沿讲座 |
| 参加学术团体 | 1. 中国振动工程学会理事<br>2. 中国图学学会理事<br>3. 中国振动工程学会非线性振动专业委员会委员<br>4. 中国图学学会科普工作委员会委员<br>5. 中国图学学会团体标准化技术专家委员会委员<br>6. 北京图学学会常务理事<br>7. 北京图学学会青年委员会主任<br>8. 教育部高等学校工程图学课程教学指导分委员会华北地区工作委员会委员<br>9. 国际期刊“Mathematics”客座编辑 |