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 研究方向: 结构振动控制
 主讲课程: 《工程力学一》、《工程力学二》、《机械振动学》

个人简介: (教育背景、工作经历)

张婷, 女, 副教授。2014年毕业于上海交通大学机械工程专业, 获得工学博士学位。现于上海工程技术大学从事教学与科研工作, 主要从事机械振动控制与振动信号传感等方向的科研工作。近年来主持一项校启动课研项目1项、青培项目1项、横向课题1项与青年基金项目1项, 并发表有关研究领域的学术论文有20余篇。

主要科研成果: (代表性论文、专利、著作等)

- [1] **Zhang T**, Li HG and Bi Y. Hysteresis characteristics influence on the super-harmonic vibration of a bi-stable piezoelectric energy harvester. *Journal of Low Frequency Noise Vibration and Active Control*, 2018, 37(4): 1003-1014.
- [2] **Ting Zhang**, Ying Pan, Lijie Cao. Dynamical Model for an Interharmonic Property of a Piezoelectric Bimorph Cantilever Beam with Self-Sensing Function. *Shock and Vibration*, 2016, 2016:1-9.
- [3] **Zhang T**, Li HG, Zhong ZY, et al. Hysteresis model and adaptive vibration suppression for a smart beam with time delay. *Journal of Sound and Vibration*, 2015, 358:35-47.
- [4] **T Zhang**, HG Li, GP Cai, FC Li. Experimental Verifications of Vibration Suppression for aSmart Cantilever Beam with a Modified Velocity Feedback Controller, *Shock and Vibration*, 2014,172570(9pp).
- [5] **Zhang T**, Yang BT, Li HG, Meng G. Dynamic Modeling and Adaptive Control of a GiantMagnetostrictive Actuator for Vibration Control. *Sensors and Actuators A: Physical*, 2013, 190:96–105.
- [6] **Zhang T**, Li HG. Adaptive Pole Placement Control for Vibration Control of a Smart CantileveredBeam in Thermal Environment. *Journal of Vibration and Control*, 2013, 19(10) 1460 – 1470.
- [7] **Zhang T**, Li HG, Cai GP. Hysteresis Identification and Adaptive Vibration Control for a SmartCantilever Beam by a Piezoelectric Actuator. *Sensors and Actuators A: Physical*, 2013, 203:168-175.
- [8] **T Zhang**, HG Li, JJ Zhao. Vibration Control and Dynamical Model of a Thermal-Electrical-Mechanical Coupled Smart Cantilevered Beam, *Advanced Engineering Forum*, 2012, 2-3:535-540.
- [9] **Ting Zhang**, Hao Lina, Chunlei Wang. The Periodic Output Feedback Control for Creep Characteristics of IPMC. *Chinese Control and Decision Conference*, 2010, 3992-3997.
- [10] Li Jun, **Zhang Ting**, Wu Zidong et al. A breeze energy harvesting of vibration caused with a cantilevered piezoelectric beam. *Vibroengineering Procedia*, 2019, 29: 49-53.
- [11] Pan Y, **Zhang T**. Dynamical model of a fault phenomenon and reliability analysis for a circuit breaker in a vibration environment. *Vibroengineering Procedia*, 2019, 23: 43-48.
- [12]胡晓琳, **张婷**. 基于自校正PID控制的智能悬臂梁振动控制. *噪声与振动控制*, 2019, 39 (2): 21-26.

- [13] Wang RP, **Zhang T** and Yang Y. Adaptive vibration control for a cantilevered beam using actuating and sensing functions of a piezoelectric bimorph. *Vibroengineering Procedia*, 2018, 20: 87-90.
- [14] Hu X, **Zhang T**. First two modal adaptive vibration control for a smart beam with two piezoelectric bimorphs by a self-tuning PID control. *Journal of Physics Conference Series*, 2018, 1074:012044.
- [15] Wang CL, **Zhang T**, Wei XH, et al. Dynamic characteristics and stability criterion of rotary galloping gait with an articulated passive spine joint. *Advanced Robotics*, 2017, 31(4): 168-183.
- [16] Chunlei Wang, **Ting Zhang**, Xiaohui Wei, et al. Dynamic Imbalance Analysis and Stability Control of Galloping Gait for a Passive Quadruped Robot. *Applied Bionics and Biomechanics*, 2015, 2015:1-17.
- [17] BT Yang, **T Zhang**, JQ Li, FC Li, HG Li and G Meng. Research on GiantMagnetostrictiveActuator for Low Frequency Adaptive Vibration Control. *Advances in Vibration Engineering*, 2013, 12(6): 611-622.
- [18] BT Yang, QW Liu, **T Zhang**, Y Cao, ZQ Feng, G Meng. Non-contact Translation-RotationSensor Using Combined Effects of Magnetostriction and Piezoelectricity. *Sensors*, 2012, 12(10),13829-13841.
- [19] Song W, Nazarova, MN, Zhang Y, **Zhang T** and Li M. Sparse reconstruction based on the admm and lasso-lsqr for bearings vibration signals. *IEEE Access*. 2017,5:20083-20088.
- [20] Zhong ZY, Zhou JP, Zhang HL and**Zhang T**. Effect of the equivalent stiffness of flexible supports on the mems cantilever-based sensors. *Computers & Structures*, 2016, 169, 101-111.

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