

近三年学院教师发表的代表性论文

序号	论文题目	作者	发表时间	发表刊物/出版社	收录情况
1	Bending-torsion coupling bursting oscillation of a sandwich conical panel under parametric excitation	郝育新	2021-12-06	Journal of Sound and Vibration	SCI
2	Stable Calibrations of Six-DOF Serial Robots by Using Identification Models with Equalized Singular Values	蒋周翔	2021-12-01	Robotica	SCI
3	Development of an ultracompact endoscopic three-dimensional scanner with flexible imaging fiber optics	龙忠杰	2021-11-30	Optical Engineering	SCI
4	Free vibrations and impact resistance of a functionally graded honeycomb sandwich plate	张君华	2021-11-20	Shock and Vibration	SCI
5	Design and performance study on a new biaxial micro-accelerometer with variable cross-section beam	孙江宏	2021-11-01	MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS	SCI
6	Experimental research and performance analysis of a free piston expander-linear generator coupled with a driving motor	彭宝营	2021-11-01	ENERGY REPORTS	SCI
7	Auto-Tracking Frequency Regulation Based Energy Saving Technology for Motor Systems With Dynamic and Potential Energy Load	王义龙	2021-09-30	IEEE Access	SCI
8	Band structure analysis of phononic crystals with imperfect interface layers by the BEM	李凤莲	2021-09-05	Engineering Analysis with Boundary Elements	SCI
9	Performance prediction of proton-exchange membrane fuel cell based on convolutional neural network and random forest feature selection	霍为炜	2021-09-01	Energy Conversion and Management	EI, SCI
10	Relationship between dislocation structure characteristics at triple junction and grain orientation in high pure copper	尹文红	2021-08-01	Materials Characterization	SCI
11	Research progress and development trend of surgical robot and surgical instrument arm	张勤俭	2021-07-08	THE INTERNATIONAL JOURNAL OF MEDICAL ROBOTICS AND COMPUTER ASSISTED SURGERY	SCI

12	Nonlinear vibration of functionally graded graphene platelet-reinforced composite truncated conical shell using first-order shear deformation theory	杨绍武	2021-07-01	APPLIED MATHEMATICS AND MECHANICS (ENGLISH EDITION)	SCI
13	Buckling and free vibration of eccentric rotating CFRP cylindrical shell base on FSDT	杨绍武	2021-07-01	Applied Mathematical Modelling	SCI
14	Vibration analysis of porous metal foam truncated conical shells with general boundary conditions using GDQ	郝育新	2021-06-09	Composite Structures	SCI
15	Advances in free-piston internal combustion engines: A comprehensive review	郭陈栋	2021-05-05	APPLIED THERMAL ENGINEERING	SCI
16	An Adaptive Prediction Method Based on Data Stream for Future Driving Cycle of Vehicle	陈勇	2021-05-01	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering	SCI
17	Vibration analysis and distributed piezoelectric energy harvester design for the L-shaped beam	曹彧腾	2021-05-01	European Journal of Mechanics, A/Solids	SCI
18	Analysis of the effects of viscosity on the SH-wave band-gaps of 2D viscoelastic phononic crystals by Dirichlet-to-Neumann map method	李凤莲	2021-05-01	International Journal of Mechanical Sciences	SCI
19	Buckling and vibro-acoustic characteristics of the trapezoidal corrugated sandwich plate in thermal environment	李凤莲	2021-04-20	Journal of thermal stresses	SCI
20	A new calibration method for joint-dependent geometric errors of industrial robot based on multiple identification spaces	蒋周翔	2021-04-11	Robotics and Computer-Integrated Manufacturing	SCI
21	Elastogeometrical calibration of six-DOF serial robots using multiple identification models	蒋周翔	2021-03-01	MECHANISM AND MACHINE THEORY	SCI
22	Vibro-acoustic characteristics of sigmoid functionally graded sandwich plates with temperature-dependent materials	李凤莲	2021-03-01	Thin-Walled Structures	SCI
23	Nonlinear vibrations and chaotic phenomena of functionally graded material truncated conical shell subject to aerodynamic and in-plane loads under 1:2 internal resonance relation	杨绍武	2021-03-01	Archive of Applied Mechanics	SCI

24	Free vibration and buckling of eccentric rotating FG-GPLRC cylindrical shell using first-order shear deformation theory	杨绍武	2021-03-01	Composite Structures	SCI
25	Modelling and vibration analysis for the multi-plate structure connected by nonlinear hinges	曹彧腾	2021-02-03	Journal of Sound and Vibration	SCI
26	Ship Detection in Multispectral Remote Sensing Images via Saliency Analysis	王文胜	2021-01-01	Applied Ocean Research	SCI
27	Transient Response of High Dimensional Nonlinear 3 Dynamic System for a Rotating Cantilever Twisted Plate	郝育新	2020-10-08	Advances in Applied Mathematics and Mechanics	SCI
28	Thermal alternation induced vibration analysis of spacecraft with lateral solar arrays in orbit	曹彧腾	2020-10-01	APPLIED MATHEMATICAL MODELLING	SCI
29	Dynamic Crushing of Gradient Auxetic Honeycombs	张君华	2020-08-20	Journal of Vibration Engineering & Technologies	SCI
30	挠性航天器动力学模型的非约束模态分析	戈新生	2020-07-02	力学学报	EI
31	Observability index optimization of robot calibration based on multiple identification spaces	蒋周翔	2020-07-01	AUTONOMOUS ROBOTS	SCI
32	Analysis of vibration and sound insulation characteristics of functionally graded sandwich plates	李凤莲	2020-06-06	Composite Structures	SCI
33	Review of recent advances of free-piston internal combustion engine linear generator	郭陈栋	2020-05-13	Applied Energy	SCI
34	Nonlinear dynamics and dynamic instability of smart structural cross-ply laminated cantilever plates with MFC layer using zigzag theory	郝育新	2020-03-01	APPLIED MATHEMATICAL MODELLING	SCI
35	Transient nonlinear responses of an auxetic honeycomb sandwich plate under impact loads	张君华	2019-12-01	International Journal of Impact Engineering	SCI
36	Dynamic stability of rotating cantilever composite thin walled twisted plate with initial geometric imperfection under in-plane load	郝育新	2019-11-01	THIN-WALLED STRUCTURES	SCI
37	Design and Implementation of National Standard Grade I Water Purification System Based on UV-Vis	马洁	2019-08-01	SPECTROSCOPY AND SPECTRAL ANALYSIS	SCI

38	Sectional Variable Frequency and Voltage Regulation Control Strategy for Energy Saving in Beam Pumping Motor Systems	王义龙	2019-07-26	IEEE Access	SCI
39	Optimization of fixture flexibility for irregular geometries of workpiece based on metamorphic mechanisms	蒋周翔	2019-04-19	The International Journal of Advanced Manufacturing Technology	SCI
40	Free vibration of rotating cantilever pre-twisted panel with initial exponential function type geometric imperfection	郝育新	2019-04-01	Appl. Math. Model.	SCI
41	Stability analysis for geometric nonlinear functionally graded sandwich shallow shell using a new developed displacement field	郝育新	2019-02-10	Composite Structures	SCI