

Ei Accession Numbers

〈Transactions of NUAA〉 2015—2017

Accession No.	How to Cite	Author	Affiliation	Title	Year	Vol.	No.
20174504368334	Abele Eberhard, Müller Clemens, Turan Emrah, et al. Influence of high speed milling process on mechanical and microstructural properties of ultrafine grained profiles produced by linear flow splitting [J] . Trans. Nanjing Univ. Aero. Astro.,2017,34(4):349-356.	Eberhard, Abele	Institute of Production Management, Technology and Machine Tools (PTW), Technische Universität, Darmstadt, Germany	Influence of High-Speed Milling Process on Mechanical and Microstructural Properties of Ultrafine Grained Profiles Produced by Linear Flow Splitting	2017	34	4
20174504368338	Ding Feng, Tang Dewen, Wang Chengyong, et al. Microstructure of hardened steel at high temperature and high strain rate [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):380-387.	Ding, Feng	Guangdong University of Technology, Guangzhou; 510006, China	Microstructure of Hardened Steel at High Temperature and High Strain Rate	2017	34	4
20174504368345	Yu Xu, Zhuang Haiyang, Liu Shuai. Simple method for dynamic responses of soil-pile-isolated structure interaction system [J] . Trans. Nanjing Univ. Aero. Astro.,2017,34(4):426-547.	Yu, Xu	Department of Civil Engineering, Nanjing Institute of Technology, Nanjing; 211167, China	Simple Method for Dynamic Responses of Soil-Pile-Isolated Structure Interaction System	2017	34	4

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20174504368340	Feng Xiaomei, Chen Jiankun, Shen Yifu, et al. Structural and magnetic properties in Nd _{0.7} Sr _{0.3} MnO ₃ manganite [J] . Trans. Nanjing Univ. Aero. Astro.,2017,34(4):393-397.	Feng, Xiaomei	College of Material Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Structural and Magnetic Properties in Nd _{0.7} Sr _{0.3} MnO ₃ Manganite	2017	34	4
20174504368343	Zhen Ziyang, Ma Kun, Bhatia Ajeet Kumar. Automatic carrier landing control for unmanned aerial vehicles based on preview control [J] . Trans. Nanjing Univ. Aero. Astro.,2017,34(4):413-419.	Zhen, Ziyang	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Automatic Carrier Landing Control for Unmanned Aerial Vehicles Based on Preview Control	2017	34	4
20174504368335	Wang Teng, WanYi, Kou Zhaojun, et al. Micro-milling of pyramid structured surface for implant application [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):357-362.	Wang, Teng	Key Laboratory of High Efficiency and Clean Manufacturing, School of Mechanical Engineering, Shandong University, Shandong; 250061, China	Micro-milling of Pyramid Structured Surface for Implant Application	2017	34	4
20174504368342	Yang Yuan,Wang Zhongqi,Yang Bo, et al. Topological optimization method for aeronautical thin-walled component fixture locating layout [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):405-412.	Yang, Yuan	Key Laboratory of Contemporary Design and Integrated Manufacturing Technology, Ministry of Education, School of Mechanical Engineering, Northwestern Polytechnical University, Xi'an; 710072, China	Topological Optimization Method for Aeronautical Thin-Walled Component Fixture Locating Layout	2017	34	4

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20174504368344	Yu Li, Zhan Yanan, Shi Yingfeng, et al. Numerical simulation for damping-controlled deployment of Z-folded inflatable tube [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):420-425.	Yu, Li	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Numerical Simulation for Damping-Controlled Deployment of Z-Folded Inflatable Tube	2017	34	4
20174504368333	Xavier Beudaert, Asier Barrios, Kaan Erkorkmaz, et al. Limiting factors for active suppression of structural chatter vibrations using machine' s drives [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):341-348.	Beudaert, Xavier	Dynamics and Control, IK4-Ideko, Elgoibar; Basque Country, Spain	Limiting Factors for Active Suppression of Structural Chatter Vibrations Using Machine's Drives	2017	34	4
20174504368337	Zhang Lin, Hu Jian, Tian Wei, et al. Critical thrust force forecasting for drilling exit delamination of carbon fibre reinforced plastics [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):372-379.	Zhang, Lin	College of Mechanical and Electronical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Critical Thrust Force Forecasting for Drilling Exit Delamination of Carbon Fibre Reinforced Plastics	2017	34	4
20174504368348	Kong Fanqiang, Guo Wenjun, Shen Qiu, et al. Recursive dictionary-based simultaneous orthogonal matching pursuit for sparse unmixing of hyperspectral data [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):456-464.	Kong, Fanqiang	College of Astronautics, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Recursive Dictionary-Based Simultaneous Orthogonal Matching Pursuit for Sparse Unmixing of Hyperspectral Data	2017	34	4

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20174504368347	Li Yongping, Jia Cili. Partial improvement of traditional grey-Markov model and its application on fault prediction [J] . Trans. Nanjing Univ.Aero. Astro., 2017,34(4):449-455.	Li, Yongping	Air Transportation College, Shanghai University of Engineering Science, Shanghai; 201620, China	Partial Improvement of Traditional Grey-Markov Model and Its Application on Fault Prediction	2017	34	4
20174504368341	Li Zhengzhou, Xiao Tianhang, Lü Fanxi, et al. A rapid analysis tool for aerodynamics/aerothermodynamics of hypersonic vehicles [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):398-404.	Li, Zhengzhou	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	A Rapid Analysis Tool for Aerodynamics/Aerothermodynamics of Hypersonic Vehicles	2017	34	4
20174504368336	Huan Haixiang, Xu Jiuhua, Su Honghua, et al. Milling machinability of TiC particle and TiB whisker hybrid reinforced titanium matrix composites [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):363-371.	Huan, Haixiang	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Milling Machinability of TiC Particle and TiB Whisker Hybrid Reinforced Titanium Matrix Composites	2017	34	4
20174504368339	Xu Wei, Kan Caixia, Ni Yuan, et al. Controllable synthesis of Ag nanocubes via a polyol method [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(4):388-392.	Xu, Wei	College of Science, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Controllable Synthesis of Ag Nanocubes via a Polyol Method	2017	34	4
20174504368346	Dong Xiangning, Hu minghua, Washington Yotto Ochieng. Sector capacity estimation based on differentiated routes and busy levels [J] . Trans. Nanjing Univ. Aero. Astro.,2017,34(4):438-448.	Dong, Xiangning	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Sector Capacity Estimation Based on Differentiated Routes and Busy Levels	2017	34	4

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20173304049044	Lin sen, Wang Guanglong, Chen Yingjie, et al. Warehouse environment parameters monitoring system and sensor error correction model based on PSO-BP [J] . Trans. Nanjing Univ. Aero. Astro., 2017, 34(3):333-340	Lin, Sen	Laboratory of Nanotechnology and Microsystems, College of Mechanical Engineering, Shijiazhuang; 050003, China	Warehouse Environment Parameter Monitoring System and Sensor Error Correction Model Based on PSO-BP	2017	34	3
20173304049041	Qing Guangwei, Yue Lin, Guo Qingtao, et al. Damage identification of general overhead travelling crane structure based on model updating by sensitivity [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):308-317.	Qing, Guangwei	College of Mechanical and Electronical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Damage Identification of General Overhead Travelling Crane Structure Based on Model Updating by Sensitivity	2017	34	3
20173304049042	Qi Minxin, Chen Shaojie, Zhou Shaoping, et al. Crack detection in pipes with different bend angles based on ultrasonic guided wave [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):318-325.	Qi, Minxin	Key Laboratory of Pressure Systems and Safety of Ministry of Education, East China University of Science and Technology, Shanghai; 200237, China	Crack Detection in Pipes with Different Bend Angles Based on Ultrasonic Guided Wave	2017	34	3
20173304049035	Xu Ying, Wang Dexiang, Tang Tianyou, et al. Debonding patch detection in FRP-strengthened materials with fiber-optic interferometer [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):255-264.	Xu, Ying	Shenzhen Key Lab of Urban & Civil Engineering Disaster Prevention & Reduction, Harbin Institute of Technology Shenzhen Graduate School, Shenzhen; 518055, China	Debonding Patch Detection in FRP-Strengthened Materials with Fiber-Optic Interferometer	2017	34	3

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20173304049040	Jia Jiahong, Liao Zuoyu, Hu Xiaoyin, et al. Magnification ratio of mechanical displacement amplifier in a sensing device [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):302-307.	Jia, Jiuhong	Key Laboratory of Pressure Systems and Safety of Ministry of Education, School of Mechanical and Power Engineering, East China University of Science and Technology, Shanghai; 200237, China	Magnification Ratio of Mechanical Displacement Amplifier in Sensing Device	2017	34	3
20173304049034	Feng Fuzhou, Xu Chao, Zhu Junzhen,et al. Quantitative evaluation of fatigue crack size using eddy current pulsed thermography [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):247-254.	Feng, Fuzhou	Key Laboratory of Nondestructive Testing of Ministry of Education, Nanchang Aeronautical University, Nanchang; 330063, China	Quantitative Evaluation of Fatigue Crack Size Using Eddy Current Pulsed Thermography	2017	34	3
20173304049043	Liang Anyang, Huang Guoyuan, Zhang Yuetong, et al. Modeling and dynamic analysis for the foundation of a blade-rotor system [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):326-332.	Liang, Anyang	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Modeling and Dynamic Analysis for the Foundation of a Blade-Rotor System	2017	34	3

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20173304049038	Weng Jingmeng, Wen Weidong, Xu Ying. Strength prediction of cruciform specimen under biaxial loading [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):286-295.	Weng, Jingmeng	Jiangsu Province Key Laboratory of Aerospace Power System, State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Strength Prediction of Cruciform Specimen Under Biaxial Loading	2017	34	3
20173304049039	Guo Ruipeng, Wang Haitao, Ge Suijia. A methodology for identifying defects in wire rope based on permanent magnet excitation [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):296-301.	Guo, Ruipeng	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	A Methodology for Identifying Defects in Wire Rope Based on Permanent Magnet Excitation	2017	34	3
20173304049036	Cai Jing, Zhang Li, Dong Ping. Remaining useful life prediction for aero-engines combining sate space model and KF algorithm [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):265-271.	Cai, Jing	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Remaining Useful Life Prediction for Aero-Engines Combining Sate Space Model and KF Algorithm	2017	34	3
20173304049037	Zhao Zhenbo, Xu Xiwu, Guo Shuxiang. Crack propagation path in two-directionally graded composites subjected to mixed-mode I+II loading [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):272-285.	Zhao, Zhenbo	State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Crack Propagation Path in Two-Directionally Graded Composites Subjected to Mixed-Mode I+II Loading	2017	34	3

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20173304049033	Matthias Buderath. A certifiable framework for health monitoring and management [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(3):229-246.	Buderath, Matthias	Airbus Defence and Space, Willy-Messerschmitt-Strasse, Munich; 81663, Germany	A Certifiable Framework for Health Monitoring and Management	2017	34	3
20172503794038	Lu Binbin, Xiao Lingfei, Chen Yuhua. Aeroengine nonlinear sliding mode control based on artificial bee colony algorithm [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):152-162.	Lu, Binbin	College of Energy and Power, Jiangsu Province Key Laboratory of Aerospace Power System, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Aeroengine Nonlinear Sliding Mode Control Based on Artificial Bee Colony Algorithm	2017	34	2
20172503794045	Zhao Chen, Zhou Jin, Xu Yuanping, et al. Identification of magnetic bearing stiffness and damping based on hybrid genetic algorithm [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):211-219	Zhao, Chen	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Identification of Magnetic Bearing Stiffness and Damping Based on Hybrid Genetic Algorithm	2017	34	2
20172503794046	Shi Hong, Cai Yufei. Influential factors in safety design of aircraft pneumatic duct system [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):220-228.	Shi, Hong	College of Energy and Power Engineering, Jiangsu University of Science and Technology, Zhenjiang; 212003, China	Influential Factors in Safety Design of Aircraft Pneumatic Duct System	2017	34	2

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20172503794037	Yang Chaoxing, Yang Yu, Lu Yuping. Modeling and simulation for refueling boom and receiver in coupled mode [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):143-151.	Yang, Chaoxing	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Modeling and Simulation for Refueling Boom and Receiver in Coupled Mode	2017	34	2
20172503794036	Wu Qi, Zhao Qijun, Wang Qing. Highly-efficient aerodynamic optimal design of rotor airfoil using viscous adjoint method [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):134-142.	Wu, Qi	National Key Laboratory of Science and Technology on Rotorcraft Aeromechanics, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Highly-Efficient Aerodynamic Optimal Design of Rotor Airfoil Using Viscous Adjoint Method	2017	34	2
20172503794041	Chu Qiyi, Li Yong, Xiao Jun, et al. Bridging effect and efficiency of partly-cured Z-pin reinforced composite laminates [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):177-187.	Chu, Qiyi	College of Materials Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Bridging Effect and Efficiency of Partly-Cured Z-pin Reinforced Composite Laminates	2017	34	2
20172503794040	Yu Xu, Zhuang Haiyang, Zhu Chao. Shaking table model test of isolated structure on soft site and analysis on its isolation efficiency [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):169-176.	Yu, Xu	Department of Civil Engineering, Nanjing Institute of Technology, Nanjing; 211167, China	Shaking Table Model Test of Isolated Structure on Soft Site and Analysis on Its Isolation Efficiency	2017	34	2

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20172503794042	Jin Chunhua, Wang Xinwei. Accurate free vibration of functionally graded skew plates [J] . Trans. Nanjing Univ. Aero.Astro., 2017,34(2):188-194.	Jin, Chunhua	State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Accurate Free Vibration of Functionally Graded Skew Plates	2017	34	2
20172503794044	Feng Xiaomei, Chen Jiankun, Shen Yifu. Preparation and microwave absorption property of Sr2FeMoO6 powder [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):205-210.	Feng, Xiaomei	College of Materials Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Preparation and Microwave Absorption Property of Sr2FeMoO6 Powder	2017	34	2
20172503794039	Zhao Xinlong, Wu Shuangjiang, Wu Yuecheng, et al. Dynamic model of hysteresis in piezoelectric actuator based on neural networks [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):163-168.	Zhao, Xinlong	College of Mechanical Engineering and Automation, Zhejiang Sci-Tech University, Hangzhou; 310023, China	Dynamic Model of Hysteresis in Piezoelectric Actuator Based on Neural Networks	2017	34	2
20172503794034	Xu Haiyan, Xu Peng, Sharafat Ali. Attitude analysis in process conflict for C919 aircraft manufacturing [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):115-124.	Xu, Haiyan	College of Economics and Management, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Attitude Analysis in Process Conflict for C919 Aircraft Manufacturing	2017	34	2

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20172503794035	Huang Rong, Wei Changzhu, Liu Yanbin, et al. Adaptive constrained on-board guidance technology for powered glide vehicle [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):125-133.	Huang, Rong	School of Astronautics, Harbin Institute of Technology, Harbin; 150001, China	Adaptive Constrained On-board Guidance Technology for Powered Glide Vehicle	2017	34	2
20172503794043	Li Xin, Zuo Hongfu, Cai Jing, et al. Real-time electrostatic monitoring of wear debris for wind turbine gearbox [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):195-204.	Li, Xin	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Real-Time Electrostatic Monitoring of Wear Debris for Wind Turbine Gearbox	2017	34	2
20172503794033	Chen Tao, Liu Lizhi, Guo Limin. Wideband signal detection based on MWC discrete compressed sampling structure [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(2):105-114	Chen, Tao	College of Information and Communication Engineering, Harbin Engineering University, Harbin; 150001, China	Wideband Signal Detection Based on MWC Discrete Compressed Sampling Structure	2017	34	2
20171903655921	Zhang Tiemin, Liao Yiyong, Xu Zhilin, et al. Power supply of macro-micro driven linear piezoelectric motor [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(1):22-29.	Zhang, Tiemin	College of Engineering, South China Agricultural University, Guangzhou; 510642, China	Power Supply of Macro-Micro Driven Linear Piezoelectric Motor	2017	34	1
20171903655925	Zhang Jun, Shi Yunlai, Niu Zijie, et al. Turned off characteristics of linear ultrasonic motor [J] . Trans. Nanjing Univ. Aero. Astro. ,2017,34(1):49-54.	Zhang, Jun	State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Turned off Characteristics of Linear Ultrasonic Motor	2017	34	1

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20171903655923	Chen Tao, Wang Yaqiong, Yang Zhan, et al. Release method of microobjects based on piezoelectric vibration [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(1):37-42.	Chen, Tao	Jiangsu Provincial Key Laboratory of Advanced Robotics & Collaborative Innovation Center of Suzhou Nano Science and Technology, Soochow University, Suzhou; 215123, China	Release Method of Microobjects Based on Piezoelectric Vibration	2017	34	1
20171903655927	Zhu Xiaoxing, Xu Dazhuan. Linear codes with two weights or three weights from two types of quadratic forms [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(1):62-71.	Zhu, Xiaoxing	Department of Mathematics, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Linear Codes with Two Weights or Three Weights from Two Types of Quadratic forms	2017	34	1
20171903655918	Liu Xuerui, Huang Weiqing, Sun Mengxin. A novel 2D piezo-nanopositioning stage based on triangle amplifier mechanism [J] . Trans. Nanjing Univ. Aero. Astro., 2017, 34(1):1-8.	Liu, Xuerui	State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	A Novel 2D Piezo-Nanopositioning Stage Based on Triangle Amplifier Mechanism	2017	34	1
20171903655929	Feng Wei, Lu Wenzhuang, Yu Yaping, et al. CVD micro-diamond coated tool lapping with sapphire wafer [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(1):81-88.	Feng, Wei	State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	CVD Micro-diamond Coated Tool Lapping with Sapphire Wafer	2017	34	1

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20171903655922	Kang Guohua, Zhou Qiongfeng, Liu Yao, et al. Satellite rotation modulation measurement system based on ultrasonic motor [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(1):30-36.	Kang, Guohua	Micro-Satellite Technology Research Center, College of Astronautics, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Satellite Rotation Modulation Measurement System Based on Ultrasonic Motor	2017	34	1
20171903655926	Xing Xiaohong, Guo Mingsen, Chen Jialin, et al. A piezoelectric friction-inertial linear motor based on piezoelectric single-crystal cymbal displacement amplification mechanism [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(1):55-61.	Xing, Xiaohong	NanHang Jincheng College, Nanjing; 211156, China	A Piezoelectric Friction-Inertial Linear Motor Based on Piezoelectric Single-Crystal Cymbal Displacement Amplification Mechanism	2017	34	1
20171903655919	Zhang Jiantao, Wu Song, Shu Chang, et al. Electroaeroelastic modeling and analysis for flow energy piezoelectric harvester [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(1):9-14.	Zhang, Jiantao	School of Mechatronic Engineering and Automation, Shanghai University, Shanghai; 200072, China	Electroaeroelastic Modeling and Analysis for Flow Energy Piezoelectric Harvester	2017	34	1
20171903655931	Zhu Nannan, Zhu Yongwei, Xu Jun, et al. Modeling and validation of indentation depth of abrasive grain into lithium niobate wafer by fixed-abrasive lapping [J] . Trans. Nanjing Univ. Aero. Astro., 2017,34(1):97-104.	Zhu, Nannan	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Modeling and Validation of Indentation Depth of Abrasive Grain into Lithium Niobate Wafer by Fixed-Abrasive Lapping	2017	34	1

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20171903655928	Zhu Haihua, Li Jing, Wang Yingcong. Knowledge representation and semantic inference of process based on ontology and semantic web rule language [J] . Trans. Nanjing Univ. Aero. Astro., 2017, 34(1):72-80.	Zhu, Haihua	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Knowledge Representation and Semantic Inference of Process Based on Ontology and Semantic Web Rule Language	2017	34	1
20171903655930	Wang Meng, Liu Kai. Location of electric vehicle charging station based on spatial clustering and multi-hierarchical fuzzy evaluation [J] . Trans. Nanjing Univ. Aero. Astro., 2017, 34(1):89-96.	Wang, Meng	School of Traffic and Transportation, Beijing Jiaotong University, Beijing; 100044, China	Location of Electric Vehicle Charging Station Based on Spatial Clustering and Multi-hierarchical Fuzzy Evaluation	2017	34	1
20171903655920	Wu Jintao, Pan Song, Zhao Lei, et al. Application of ultrasonic motor to control of moment gyroscope gimbal servo system [J] . Trans. Nanjing Univ. Aero. Astro., 2017, 34(1):15-21.	Wu, Jintao	Beijing Institute of Control Engineering, Beijing; 100190, China	Application of Ultrasonic Motor to Control of Moment Gyroscope Gimbal Servo System	2017	34	1
20171903655924	Chen Heng, Chen Chao, Yang Dong, et al. Test on an optimized cylindrical non-contact piezoelectric actuator [J] . Trans. Nanjing Univ. Aero. Astro., 2017, 34(1):43-48.	Chen, Heng	State Key Laboratory of Mechanics and Control of Mechanical Structure, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Test on an Optimized Cylindrical Non-contact Piezoelectric Actuator	2017	34	1

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20170603325591	Gao Yisheng, Wu Yizhao, Xia Jian, et al. A surface mesh movement algorithm for aerodynamic optimization of the nacelle position on wing-body-nacelle-pylon configuration [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):657-669.	Gao, Yisheng	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	A surface mesh movement algorithm for aerodynamic optimization of the nacelle position on wing-body-nacelle-pylon configuration	2016	33	6
20170603325603	Yu Long, Huang Chao, Zhao Yongsheng, et al. Numerical simulation of an axial flow fan with proper aft fins for floating wind turbines model test [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):754-760.	Yu, Long	State Key Laboratory of Ocean Engineering, Shanghai Jiao Tong University, Shanghai; 200240, China	Numerical simulation of an axial flow fan with proper aft fins for floating wind turbines model test	2016	33	6
20170603325601	Youssef Fayad, Wang Caiyun, Cao Qunsheng. A sequential adaptive method for enhancing DOA tracking performance [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):739-747	Fayad, Youssef	College of Electronic and Information Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	A sequential adaptive method for enhancing DOA tracking performance	2016	33	6
20170603325592	Wang Hongxian, Nie Hong. Performance analysis on retractable landing gear and design of ground test system [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):670-677.	Wang, Hongxian	Key Laboratory of Unmanned Aerial Vehicle Technology of Ministry of Industry and Information Technology, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Performance analysis on retractable landing gear and design of ground test system	2016	33	6

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20170603325599	Chen Junsheng, Zhang Xiaofei, Shu Feng, et al. Construction of low delay maximal rate single-symbol decodable distributed STBC with channel phase information [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):726-732.	Chen, Junsheng	College of Information Engineering, Yangzhou University, Yangzhou; 225127, China	Construction of low delay maximal rate single-symbol decodable distributed STBC with channel phase information	2016	33	6
20170603325593	Wang Junyi, Zhao Qijun, Ma Li. Structural parameter analyses on rotor airloads with new type blade-tip based on CFD/CSD coupling method [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):678-686.	Wang, Junyi	National Key Laboratory of Science and Technology on Rotorcraft Aeromechanics, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Structural parameter analyses on rotor airloads with new type blade-tip based on CFD/CSD coupling method	2016	33	6
20170603325597	Muhammad Masud Akhtar, Huang Xiang, Chen Wenliang. Influence of helix angle on stability of milling flexible parts [J] . Trans. Nanjing Univ. Aero. Astro., 2016, 33(6):714-721.	Akhtar, Muhammad Masud	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Influence of helix angle on stability of milling flexible parts	2016	33	6
20170603325595	Shan Yicai, He Ning, Li Liang, et al.Entrance and exit defects during coarse pitch orbital drilling of carbon fiber reinforced plastic plates [J] . Trans. Nanjing Univ. Aero. Astro., 2016 ,33(6):696-705.	Shan, Yicai	College of Mechanical and Electrical Engineering, Nanjing College of Information Technology, Nanjing; 210046, China	Entrance and exit defects during coarse pitch orbital drilling of carbon fiber reinforced plastic plates	2016	33	6

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20170603325589	Ding Songbin, Wang Xiaoli, Wang Hongyu. Engine selection based on utility theory [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):639-646.	Ding, Songbin	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016. China	Engine selection based on utility theory	2016	33	6
20170603325596	Yang Changyong, Xu Jiuhua, Fu Yucan, et al.Investigation on the grindability of CSS-42L stainless steel [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):706-713.	Yang, Changyong	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics & Astronautics, Nanjing; 210016, China	Investigation on the grindability of CSS-42L stainless steel	2016	33	6
20170603325598	Sun Rui, Zhang Yucheng, Hu Minghua. Fuzzy logic based UAV suspicious behavior detection [J] . Trans. Nanjing Univ. Aero. Astro., 2016, 33(6):721-725.	Sun, Rui	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106. China	Fuzzy logic based UAV suspicious behavior detection	2016	33	6
20170603325602	Fang Yang, Wang Baoping, Sun Chao, et al. A directional differential-fed UWB antenna with stable radiation pattern [J] . Trans. Nanjing Univ. Aero. Astro., 2016.33(6):747-753.	Fang, Yang	School of Electronics and Information, Northwestern Polytechnical University, Xi'an; 710072, China	A directional differential-fed UWB antenna with stable radiation pattern	2016	33	6

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20170603325590	Gu Hongbin, Fu Jun, Hu Jinshuo. Review on key techniques of dynamics modeling for helicopter simulator [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(6):647-656.	Gu, Hongbin	Research Center of Flight Simulation and Advanced Engineering Training, College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Review on key techniques of dynamics modeling for helicopter simulator	2016	33	6
20164903092871	Du Jia, Wu Dewei, Zhou Yang. Model of autonomous positioning through associating environment memory information [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):584-594.	Du, Jia	College of Information and Navigation, Air Force Engineering University, Xi'an; 710077, China	Model of autonomous positioning through associating environment memory information	2016	33	5
20164903092877	Shen Huarong, Gao Peiwei, Liu Hongwei, et al. Mechanism and process of sulfate attack on roller compacted concrete with MgO expansive agent [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):633-638.	Shen, Huarong	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Mechanism and process of sulfate attack on roller compacted concrete with MgO expansive agent	2016	33	5

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20164903092867	Wu Shen, Yang Weidong, Li Ruirui. Dynamic analysis model of embedded fluid elastomeric damper for bearingless rotor [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5): 552-558.	Wu, Shen	National Key Laboratory of Rotorcraft Aeromechanics, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Dynamic analysis model of embedded fluid elastomeric damper for bearingless rotor	2016	33	5
20164903092875	Wang Hui, Yan Dawei, Liang Yangmin, et al. Numerical simulation of warm forming behavior of high strength aluminum alloy 7075 [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):620-625.	Wang, Hui	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Numerical simulation of warm forming behavior of high strength aluminum alloy 7075	2016	33	5
20164903092866	Liu Yuan, Zhang Tianhong. Development of DSP-based dynamic signal processing module for turbine flowmeter [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):546-551.	Liu, Yuan	College of Energy and Power Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Development of DSP-based dynamic signal processing module for turbine flowmeter	2016	33	5

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20164903092869	Sun Qiang, Lyu Hongqiang, Wu Yizhao. An h-adaptive discontinuous Galerkin method for laminar compressible Navier-Stokes equations on curved mesh [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):566-575.	Sun, Qiang	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	An h-adaptive discontinuous Galerkin Method for Laminar Compressible Navier-stokes equations on curved mesh	2016	33	5
20164903092863	Valentin Khaliulin, Wang Zhijin, Elena Gershtein. Development of composite cellular cores for sandwich panels based on folded polar quadra-structures [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):519-528.	Khaliulin, Valentin	Kazan National Research Technical University Named After A.N. Tupolev, Kazan; 420111, Russia	Development of composite cellular cores for sandwich panels based on folded polar quadra-structures	2016	33	5
20164903092876	Ruan Minzhi, Wang Rui, Kong Qingfu. Mission oriented configuration model of aircraft carrying spares and dynamic optimization policy [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):626-632.	Ruan, Minzhi	Office of Research & Development, Naval University of Engineering, Wuhan; 430033, China	Mission-oriented configuration model of aircraft carrying spares and dynamic optimization policy	2016	33	5

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20164903092865	Zhang Jiale, Chen Hongquan. Compute unified device architecture implementation of Euler/Navier-Stokes solver on graphics processing unit desktop platform for 2-D compressible flows [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):536-545.	Zhang, Jiale	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Compute unified device architecture implementation of Euler/Navier-stokes solver on graphics processing unit desktop platform for 2-D compressible flows	2016	33	5
20164903092870	Nie Jinfang, Pan Quan, Shen Hao, et al. Design and experimental evaluation of PID controller for digital electro-pneumatic cabin pressure control system [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):576-583.	Nie, Jinfang	College of Automation, Northwestern Polytechnical University, Xi'an; 710072, China	Design and experimental evaluation of PID controller for digital electro-pneumatic cabin pressure control system	2016	33	5
20164903092872	Guan Yuanlin, Li Huafeng, Yang Xixin, et al. Principle and experimental verification of flexible caudal fin based on active torsion propulsion mode [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(5):595-601.	Guan, Yuanlin	School of Mechanical Engineering, Qingdao University of Technology, Qingdao; 266100, China	Principle and experimental verification of flexible caudal fin based on active torsion propulsion mode	2016	33	5

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20164202916207	Sun Fanrong, Han Songchen, Qian Ge. Departure trajectory design based on pareto ant colony algorithm [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(4):451-460.	Sun, Fanrong	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106. China	Departure trajectory design based on pareto ant colony algorithm	2016	33	4
20164202916204	Huang Rongshun, Peng We, Li Jing, et al.A test method for the static/moving state of targets applied to airport surface surveillance mlat system [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(4):425-432.	Huang, Rongshun	The Second Research Institute of Civil Aviation Administration of China, Chengdu; 610041, China	A test method for the static/ moving state of targets applied to airport surface surveillance mlat system	2016	33	4
20164202916213	Li Kangwei, Zhen Ziyang, Sun Yili. Effects of deck motion and ship airwake on ski-jump takeoff performance of carrier-based aircraft [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(4):510-518.	Li, Kangwei	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Effects of deck motion and ship airwake on ski-jump takeoff performance of carrier-based aircraft	2016	33	4
20164202916205	Wang Yanjun,Liu Yinxin, Cong Wei,et al. Identification of information-seeking behaviors from air traffic controllers' eye movements [J] . Trans. Nanjing U. Aero. Astro., 2016,33(4):433-441.	Wang, Yanjun	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Identification of information-seeking behaviors from air traffic controllers'eye movements	2016	33	4

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20164202916210	Zhu Bo, Zhu Jinfu. Flight schedule recovery under uncertain airport capacity [J]. Trans. Nanjing Univ. Aero. Astro., 2016, 33(4):479-490.	Zhu, Bo	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Flight schedule recovery under uncertain airport capacity	2016	33	4
20164202916208	Xie Hua, Cong Wei, Hu Minghua, et al. Air traffic operation complexity analysis based on metrics system [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(4):461-468.	Xie, Hua	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Air traffic operation complexity analysis based on metrics system	2016	33	4
20164202916212	Zhang Shuqin, Jiang Yu, Xia Hongshan. Multi-objective collaborative optimization for scheduling aircraft landing on closely spaced parallel runways based on genetic algorithms [J]. Trans. Nanjing Univ. Aero. Astro., 2016, 33(4):502-509.	Zhang, Shuqin	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Multi-objective collaborative optimization for scheduling aircraft landing on closely spaced parallel runways based on genetic algorithms	2016	33	4
20164202916203	Tang Xinmin, Gu Junwei, Shen Zhiyuan, et al. A hybrid method combining improved K-means algorithm with BADA model for generating nominal flight profiles [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(4):414-424.	Tang, Xinmin	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	A hybrid method combining improved K-means algorithm with BADA model for generating nominal flight profiles	2016	33	4

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20164202916206	Zhang Ming, Yu Hui, Zhang Ming. Sectorization model of terminal airspace with arrival and departure separation [J] . Trans. Nanjing U. Aero. Astro., 2016.33(4):442-450.	Zhang, Ming	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Sectorization model of terminal airspace with arrival and departure separation	2016	33	4
20164202916209	Wang Shijin, Li Qingyun, Cao Xi, et al. Optimization of air route network nodes to avoid "three areas" based on an adaptive ant colony algorithm [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(4):469-478.	Wang, Shijin	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Optimization of air route network nodes to avoid "three areas" based on an adaptive ant colony algorithm	2016	33	4
20163202695312	Bao Yujun, Ji Changying, Chen Gong, et al. WSN node applied to large-scale unattended monitoring [J] . Trans. Nanjing U. Aero. Astro., 2016,33(3):386-394.	Bao, Yujun	College of Engineering, Nanjing Agriculture University, Nanjing; 210031, China	WSN node applied to large-scale unattended monitoring	2016	33	3
20163202695311	Wang Yu, Zhou Nianrong, Qian Xiaohui, et al. Experiment on spray cooling performance with different additives of different mass fraction [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(3):375-385.	Wang, Yu	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Experiment on spray cooling performance with different additives of different mass fraction	2016	33	3

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20163202695298	Wan Zhiqiang, Du Ziliang, Wu Qiang, et al. Stiffness distribution and aeroelastic performance optimization of high-aspect-ratio wings [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(3):243-251.	Wan, Zhiqiang	School of Aeronautic Science and Engineering, Beihang University, Beijing; 100191, China	Stiffness distribution and aeroelastic performance optimization of high-aspect-ratio wings	2016	33	3
20163202695303	Chen Lei, Huang Xiang, Ma Zhiqiang, et al. Kinematic calibration of asymmetricly actuated 6-DOF 3-PPPS parallel mechanism [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(3):294-300.	Chen, Lei	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Kinematic calibration of asymmetricly actuated 6-DOF 3-PPPS parallel mechanism	2016	33	3
20163202695302	Fan Feng, Huang Shuilin, Lin Yongfeng. Numerical calculations of aerodynamic and acoustic characteristics for scissor tail-rotor in forward flight [J] . Trans. Nanjing Univ. Aero. Astro., 2016, 33(3):285-293.	Fan, Feng	China Helicopter Research and Development Institute, Aviation Industry Corporation of China, Jingdezhen; 333000, China	Numerical calculations of aerodynamic and acoustic characteristics for scissor tail-rotor in forward flight	2016	33	3

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20163202695309	He Huan, He Cheng, Chen Guoping, et al. Model updating for high speed aircraft in thermal environment using adaptive weighted sum methods [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(3):362-369.	He, Huan	The State Key Lab of Mechanics and Control for Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Model updating for high speed aircraft in thermal environment using adaptive weighted-sum methods	2016	33	3
20163202695304	Liu Kai, Ge Zhishang, Xu Jiaqi, et al. Kinematic optimization of bionic shoulder driven by pneumatic muscle actuators based on particle swarm optimization [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(3):301-309.	Liu, Kai	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Kinematic optimization of bionic shoulder driven by pneumatic muscle actuators based on particle swarm optimization	2016	33	3
20163202695299	Wang Yiqian, Tang Jie, Liu Chaoqun, et al. DNS study on volume vorticity increase in boundary layer transition [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(3):252-259.	Wang, Yiqian	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	DNS study on volume vorticity increase in boundary layer transition	2016	33	3

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20163202695306	Yang Qingyun, Chen Mou. Robust fault-tolerant control for longitudinal dynamics of aircraft with input saturation [J] . Trans. Nanjing Univ. Aero. Astro., 2016, 33(3):319-328.	Yang, Qingyun	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Robust fault-tolerant control for longitudinal dynamics of aircraft with input saturation	2016	33	3
20163202695300	Zhang Jianhui, Wang Ying, Fu Jun, et al. Advances in technologies of piezoelectric pumping with valves [J] . Trans. Nanjing Univ. Aero. Astro., 2016.33(3):260-273.	Zhang, Jianhui	College of Mechanical and Electrical Engineering, Guangzhou University, Guangzhou; 510006, China	Advances in technologies of piezoelectric pumping with valves	2016	33	3
20163202695308	Zhang Li, Liu Xuejun. A comprehensive review on RNA-seq data analysis [J] . Trans. Nanjing Univ. Aero. Astro., 2016, 33(3):339-361.	Zhang, Li	College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	A comprehensive review on RNA-seq data analysis	2016	33	3
20163202695313	Wu Jin, Tang Jinzhi, Li Hongming, et al. Behavior of corrosion-repaired concrete beams reinforced by epoxy mortar [J] . Trans. Nanjing Univ. Aero. Astro.,2016,33(3):395-402.	Wu, Jin	Department of Civil Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Behavior of corrosion-repaired concrete beams reinforced by epoxy mortar	2016	33	3

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20162502525550	Qian Xiaohui, Jiang Yanlong, Cheng Danfeng, et al. Experimental analysis of a cooling system for wind-driven generator stator [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):180-186.	Qian, Xiaohui	College of Aerospace Engineering, Nanjing University of Aeronautics & Astronautics, Nanjing; 210016, China	Experimental analysis of a cooling system for wind-driven generator stator	2016	33	2
20162502525549	Chen Lele, Liu Xueqiang. Numerical analysis of refueling drogue oscillation during refueling docking [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):173-179.	Chen, Lele	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Numerical analysis of refueling drogue oscillation during refueling docking	2016	33	2
20162502525556	Li Bo, Zhao Youqun, Zang Liguu, et al. Driving force model for non-pneumatic elastic wheel [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):231-236.	Li, Bo	College of Energy and Power Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Driving force model for non-pneumatic elastic wheel	2016	33	2

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20162502525552	Chen Zhi, Wang Daobo, Zeng Ziyang, et al. Modeling and sliding mode control with boundary layer for unmanned coaxial rotor ducted fan helicopter [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):199-207.	Chen, Zhi	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Modeling and sliding mode control with boundary layer for unmanned coaxial rotor ducted fan helicopter	2016	33	2
20162502525555	Tian Sheng. Occupant restraint system simulation and optimization based on TESW [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):224-230.	Tian, Sheng	School of Civil Engineering and Transportation, South China University of Technology, Guangzhou; 510640, China	Occupant restraint system simulation and optimization based on TESW	2016	33	2
20162502525553	Shao Zhijian, He Cheng, Pei Jinhua. Multi-objective optimization design of vented cylindrical airbag cushioning system for unmanned aerial vehicle [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):208-214.	Shao, Zhijian	Research Institute of Pilotless Aircraft, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Multi-objective optimization design of vented cylindrical airbag cushioning system for unmanned aerial vehicle	2016	33	2
20162502525547	Zheng Xianwu, Yang Weihua. Heat transfer coefficient of film cooling with ellipse-shaped tab [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):155-165.	Zheng, Xianwu	China Aviation Powerplant Research Institute, Zhuzhou; 412002, China	Heat transfer coefficient of film cooling with ellipse-shaped tab	2016	33	2

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20162502525544	Shao Wanren, Wu Fei, He Jingyu, et al. Jet noise reduction of double-mixing exhaust system [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):129-136.	Shao, Wanren	Shenyang Engine Design and Research Institute, Aviation Industry Corporation of China, Shenyang; 110015, China	Jet noise reduction of double-mixing exhaust system	2016	33	2
20162502525554	Wan Lili, Hu Minghua, Tian Yong, et al. Green aircraft taxiing strategy based on multi-scenario joint optimization [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):215-223.	Wan, Lili	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing; 211106, China	Green aircraft taxiing strategy based on multi-scenario joint optimization	2016	33	2
20162502525551	Zhang Ming, Nie Hong, He Zhihang. Parameter optimization of nose landing gear considering both take-off and landing performance of catapult take-off carrier-based aircraft [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(2):187-198.	Zhang, Ming	Key Laboratory of Fundamental Science for National Defense-Advanced Design Technology of Flight Vehicle, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Parameter optimization of nose landing gear considering both take-off and landing performance of catapult take-off carrier-based aircraft	2016	33	2

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20162502525546	Liu Xiyue, Zhang Jingzhou, Lou Decang, et al. Gas flow development through tandem heat exchangers inside exhaust nozzle by using porous medium model [J]. Trans. Nanjing Univ. Aero. Astro., 2016, 33(2):147-154.	Liu, Xiyue	College of Energy and Power Engineering, Jiangsu Province Key Laboratory of Aerospace Power System, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Gas flow development through tandem heat exchangers inside exhaust nozzle by using porous medium model	2016	33	2
20162502525548	Liu Lu, Qiu Jinhao, Ji Hongli, et al. Optimal control of reinforced plate based on the minimum energy [J]. Trans. Nanjing Univ. Aero. Astro., 2016, 33(2):166-172.	Liu, Lu	State Key Laboratory of Mechanics and Control of Mechanical Structures, College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China	Optimal control of reinforced plate based on the minimum energy	2016	33	2
20161602257773	Guo Tongqing, Tong Xiaolong, Lu Zhiliang. CFD-based load calculation method for monopile support configuration of offshore wind turbine [J]. Trans. Nanjing Univ. Aero. Astro., 2016, 33(1):88-94.	Guo, Tongqing	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	CFD-based load calculation method for monopile support configuration of offshore wind turbine	2016	33	1
20161602257772	Wu Jun, Meng Long, Zhao Yongsheng, et al. Coupled aerodynamic and hydrodynamic analysis of floating offshore wind turbine using CFD method [J]. Trans. Nanjing Univ. Aero. Astro., 2016, 33(1):80-87.	Wu, Jun	State Key Laboratory of Ocean Engineering, Shanghai Jiao Tong University, Shanghai, China	Coupled aerodynamic and hydrodynamic analysis of floating offshore wind turbine using CFD method	2016	33	1

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20161602257775	Chen Cheng, Wang Tongguang. Fatigue assessment method for composite wind turbine blade [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(1):102-111.	Chen, Cheng	Jiangsu Key Laboratory of Hi-Tech Research for Wind Turbine Design, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Fatigue assessment method for composite wind turbine blade	2016	33	1
20161602257777	Zhang Yang, Xue Ping, Ding Yun, et al. Improvement of mechanical, dynamic-mechanical and thermal properties for noil ramie fiber reinforced polyethylene composites [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(1):121-128.	Zhang, Yang	Institute of Plastic Machinery and Engineering, Beijing University of Chemical Technology, Beijing, China	Improvement of mechanical, dynamic-mechanical and thermal properties for noil ramie fiber reinforced polyethylene composites	2016	33	1
20161602257769	Zhong Wei, Wang Tongguang. Correction model for stall delay on rotating blades [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(1):60-66.	Zhong, Wei	Jiangsu Key Laboratory of Hi-Tech Research for Wind Turbine Design, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Correction model for stall delay on rotating blades	2016	33	1
20161602257770	Li Deshun, Gong Yuxiang, Li Rennian, et al. Critical Stokes number for gas solid flow erosion of wind turbine airfoil [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(1):67-72.	Li, Deshun	School of Energy and Power Engineering, Lanzhou University of Technology, Lanzhou, China	Critical stokes number for gas-solid flow erosion of wind turbine airfoil	2016	33	1

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20161602257765	Qian Yaoru, Wang Tongguang. Large-eddy simulation of wind turbine wake and aerodynamic performance with actuator line method [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(1):26-36.	Qian, Yaoru	Jiangsu Key Laboratory of Hi-Tech Research for Wind Turbine Design, Nanjing University of Aeronautics & Astronautics, Nanjing, China	Large-eddy simulation of wind turbine wake and aerodynamic performance with actuator line method	2016	33	1
20161602257762	Wang Long, Wang Tongguang, Wu Jianghai, et al. Vector dominating multi-objective evolution algorithm for aerodynamic-structure integrative design of wind turbine blade [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(1):1-8.	Wang, Long	Jiangsu Key Laboratory of Hi-Tech Research for Wind Turbine Design, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Vector dominating multi-objective evolution algorithm for aerodynamic-structure integrative design of wind turbine blade	2016	33	1
20161602257774	Ma Hongwang, Chen Longzhu. Gravity effect on the first natural frequency of offshore wind turbine structures [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(1):95-101.	Ma, Hongwang	Department of Civil Engineering, Shanghai Jiao Tong University, Shanghai, China	Gravity effect on the first natural frequency of offshore wind turbine structures	2016	33	1

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20161602257776	Zhu Chengxiang, Zhu Chunling, Fu Bin, et al. Simulation of SLD impingement on wind turbine blade airfoil [J] . Trans. Nanjing Univ. Aero. Astro., 2016,33(1):112-120.	Zhu, Chengxiang	Key Laboratory of Fundamental Science for National Defense-Advanced Design Technology of Flight Vehicle, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Simulation of SLD impingement on wind turbine blade airfoil	2016	33	1
20161602257767	Li Rennian, Ma Ruijie, Li Deshun, et al. Numerical simulation of wind turbine wake characteristics in uniform inflow [J].Trans. Nanjing Univ. Aero. Astro., 2016,33(1):45-52.	Li, Rennian	School of Energy and Power Engineering, Lanzhou University of Technology, Lanzhou, China	Numerical simulation of wind turbine wake characteristics in uniform inflow	2016	33	1
20161602257763	Li Hui, Wang Tongguang. Modeling methods and test verification of root insert contact interface for wind turbine blade [J]. Trans. Nanjing Univ. Aero. Astro., 2016,33(1):9-15.	Li, Hui	Jiangsu Key Laboratory of Hi-Tech Research for Wind Turbine Design, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Modeling methods and test verification of root insert contact interface for wind turbine blade	2016	33	1

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20160801975700	Kang Xin, Dong Shuai, He Xiaoyuan. Deformation analysis on shear-bending of ring-shaped piezoelectric actuator [J]. Trans. Nanjing U. Aero. Astro., 2015,32(6):585-590.	Kang, Xin	Department of Mechanical Engineering, Putian University, Putian, China	Deformation analysis on shear-bending of ring-shaped piezoelectric actuator	2015	32	6
20160801975710	Wu Haibing, Xu Feng, Liu Zhaozhi, et al. Preparation of large-scale double-side BDD electrodes and their electrochemical performances [J]. Trans. Nanjing U. Aero. Astro., 2015,32(6):674-680.	Wu, Haibing	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Preparation of large-scale double-side BDD electrodes and their electrochemical performances	2015	32	6
20160801975708	Wang Chao, He Chaonan. Three-dimensional planning of arrival and departure route network based on improved ant-colony algorithm [J]. Trans. Nanjing U. Aero. Astro., 2015,32(6):654-664.	Wang, Chao	College of Air Traffic Management, Civil Aviation University of China, Tianjin, China	Three-dimensional planning of arrival and departure route network based on improved ant-colony algorithm	2015	32	6

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20160801975704	Yin Chao, Hu Jun, Yan Wei, et al. Effect of tip-blade cutting on the performance of large scale axial fan [J] . Trans. Nanjing U. Aero. Astro., 2015,32(6):623-630.	Yin, Chao	Jiangsu Province Key Laboratory of Aerospace Power Systems, College of Energy and Power, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Effect of tip-blade cutting on the performance of large scale axial fan	2015	32	6
20160801975701	Xiao Fu, Shi Chenhang, Huang Kaixiang,et al. Unicast network topology inference algorithm based on hierarchical clustering [J] . Trans. Nanjing U. Aero. Astro., 2015,32(6):591-599.	Xiao, Fu	College of Computer, Nanjing University of Posts and Telecommunications, Nanjing, China	Unicast network topology inference algorithm based on hierarchical clustering	2015	32	6
20160801975711	Guo Jian, He Yong, Xiao Qiangqiang, et al. Structure design of shaped charge for requirements of concrete crater diameter [J] . Trans. Nanjing U. Aero. Astro., 2015,32(6):681-686.	Guo, Jian	School of Mechanical Engineering, Nanjing University of Science and Technology, Nanjing; 210094, China	Structure design of shaped charge for requirements of concrete crater diameter	2015	32	6

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20160801975709	Shi Yong, Liu Wentao. Modeling and identification approach for tripod machine tools [J] . Trans. Nanjing U. Aero. Astro., 2015,32(6):665-673.	Shi, Yong	College of Power and Energy Engineering, Harbin Engineering University, Harbin, China	Modeling and identification approach for tripod machine tools	2015	32	6
20160801975705	Wen Liwei, Sun Tianfeng, Ni Jinhui, et al.Infrared heating technology for automated fiber placement [J] .Trans. Nanjing u.Aero.Astro., 2015, 32(6):631-638.	Wen, Liwei	College of Material Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Infrared heating technology for automated fiber placement	2015	32	6
20160801975702	Cheng Yuehua, Wang Tao, Lu Ningyun, et al. Fault detection based on incremental locally linear embedding for satellite TX-I [J] . Trans. Nanjing U. Aero. Astro., 2015,32(6):600-609.	Cheng, Yuehua	College of Astronautics, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Fault detection based on incremental locally linear embedding for satellite TX-I	2015	32	6
20160801975707	Zhang Xiangyang, Li Yong, Li Junfei, et al. Prediction of compressive and shear moduli of X-corsandwich structures for aeronautic engineering [J] . Trans. Nanjing U. Aero. Astro., 2015,32(6):646-653.	Zhang, Xiangyang	College of Material Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Prediction of compressive and shear moduli of X-cor sandwich structures for aeronautic engineering	2015	32	6

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20155101700046	Liu Jiefang, Liu Sifeng, Wu Lifeng, et al. Average incremental correlation analysis model and its application in fault diagnosis[J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(5):541 -548	Liu, Jiefang	School of Mathematical Science, Henan Institute of Science and Technology, Xinxiang, China	Average incremental correlation analysis model and its application in fault diagnosis	2015	32	5
20155101700050	Li Zhengmingqing, Wang Jing, Zhu Rupeng. Influence predictions of contact effects on mesh stiffness of face gear drives with spur gear [J]. Trans. Nanjing Univ.Aero.Astro., 2015,32(5):566 -570.	Li, Zhengminqing	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Influence predictions of contact effects on mesh stiffness of face gear drives with spur gear	2015	32	5
20155101700049	Huang Haili, Wang Xiaonan. Solution to beacon conflict based on IEEE 802.15.4 [J].Trans. Nanjing Univ.Aero.Astro.,2015,32(5):560 -565	Huang, Haili	School of Computer Science and Engineering, Changshu Institute of Technology, Changshu, China	Solution to beacon conflict based on IEEE 802.15.4	2015	32	5
20155101700042	Tang Jian, Xie Changchuan, Yang Chao. Flutter analysis of aircraft wing using equivalent -plate models with orthogonal polynomials [J]. Trans. Nanjing Univ.Aero.Astro., 2015,32(5):508 -516	Tang, Jian	School of Aeronautic Science and Engineering, Beihang University, Beijing, China	Flutter analysis of aircraft wing using equivalent-plate models with orthogonal polynomials	2015	32	5

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20155101700039	Chen Wei, Luo Gang, Zhang Sheng, et al. Development strategy of engine bird ingestion certification technology[J]. Trans. Nanjing Univ. Aero. Astro., 2015, 32(5):485-494.	Chen, Wei	College of Energy and Power Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Development strategy of engine bird ingestion certification technology	2015	32	5
20155101700051	Zhao Zheng, Yang Lei, Hu Minghua, et al. Method for evaluating instantaneous sector capacity[J]. Trans.Nanjing Univ.Aero.Astro., 2015,32(5):571 -578.	Zhao, Zheng	College of Civil Aviation, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Method for evaluating instantaneous sector capacity	2015	32	5
20155101700044	Sheng Qinghong, Fei Lijia, Liu Jianfeng, et al. Accuracy analysis on bundle adjustment of remote sensing images based on dual quaternion[J]. Trans. Nanjing Univ.Aero.Astro., 2015,32(5):523 -52	Sheng, Qinghong	College of Astronautics, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Accuracy analysis on bundle adjustment of remote sensing images based on dual quaternion	2015	32	5
20155101700048	Li Shanmei, Xu Xiaohao, Wang Fei, et al. Topological structure of US flight network based on complex network theory[J].Trans.Nanjing Univ.Aero.Astro.,2015,32(5):555 -559	Li, Shanmei	Air Traffic Management Research Base, Civil Aviation University of China, Tianjin, China	Topological structure of US flight network based on complex network theory	2015	32	5

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20155101700045	Yang Dalin, Xu Bo, Gao Youtao. Search space pruning based on image tools for preliminary interplanetary trajectory design [J]. Trans. Nanjing Univ.Aero.Astro., 2015,32(5):530 -540.	Yang, Dalin	College of Astronautics, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Search space pruning based on image tools for preliminary interplanetary trajectory design	2015	32	5
20155101700043	Liu Yu, Tong Mingbo. Comparison of passive control methods on cavity aeroacoustic using delayed detached eddy simulation [J]. Trans. Nanjing Univ.Aero.Astro.,2015,32(5):517 -522.	Liu, Yu	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Comparison of passive control methods on cavity aeroacoustic using delayed detached eddy simulation	2015	32	5
20155101700040	Chen Tianhua, Zhou Aide, Li Huixi, et al. Vision enhancement technology of drivers based on image fusion[J]. Trans. Nanjing Univ.Aero.Astro.,2015,32(5):495-501	Chen, Tianhua	College of Computer and Information Engineering, Beijing Technology and Business University, Beijing, China	Vision enhancement technology of drivers based on image fusion	2015	32	5
20154401478192	Huang Shuilin, Lin Yongfeng, Fan Feng, et al. Parametric effect investigation on aerodynamic interaction characteristics for tandem rotors in forward flight [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):390-398.	Huang, Shuilin	Science and Technology on Rotorcraft Aeromechanics Laboratory,, CHRDI,, Jingdezhen, China	Parametric effect investigation on aerodynamic interaction characteristics for tandem rotors in forward flight	2015	32	4

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20154401478199	Han Yue, Yang Zongling, Qiao Xing, et al. Resolution increase and noise removal in particle size distribution measurement with Shifrin transform [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):446-451.	Han, Yue	School of Sciences,, Nantong University,, Nantong, China	Resolution increase and noise removal in particle size distribution measurement with shifrin transform	2015	32	4
20154401478193	Cao Cheng, Chen Hongquan. A preconditioned gridless method for solving Euler equations at low Mach numbers [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):399-407.	Cao, Cheng	College of Aerospace Engineering,, Nanjing University of Aeronautics and Astronautics,, Nanjing, China	A preconditioned gridless method for solving Euler equations at low Mach numbers	2015	32	4
20154401478196	Song Chuanjing, Zhang Yi. Perturbation to Noether symmetries and adiabatic invariants for generalized Birkhoff systems based on El-Nabulsi dynamical model [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):421-427.	Song, Chuanjing	College of Science,, Nanjing University of Science and Technology,, Nanjing, China	Perturbation to noether symmetries and adiabatic invariants for generalized birkhoff systems based on El-Nabulsi dynamical model	2015	32	4

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20154401478188	Wang Baoping, Zhang Yan, Wang Xiaotian, et al. A new regularized minimum error thresholding method [J] . Trans. Nanjing Univ. Aero. Astro., 2015,32(4):355-364.	Wang, Baoping	National Key Laboratory of Science and Technology on UAV,, Northwestern Polytechnical University,, Xi'an, China	A new regularized minimum error thresholding method	2015	32	4
20154401478202	Li Fei, Hu Jianbo, Wu Jun, et al. Dynamic surface control with nonlinear disturbance observer for uncertain flight dynamic system [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):469-476.	Li, Fei	Equipment Management and Safety Engineering College,, Air Force Engineering University,, Xi'an, China	Dynamic surface control with nonlinear disturbance observer for uncertain flight dynamic system	2015	32	4
20154401478203	Zhang Haifeng, Hu Minghua. Optimization method for departure flight scheduling problem based on genetic algorithm [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):477-484.	Zhang, Haifeng	College of Civil Aviation,, Nanjing University of Aeronautics and Astronautics,, Nanjing, China	Optimization method for departure flight scheduling problem based on genetic algorithm	2015	32	4
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20154401478195	Zhao Yan, Zuo Dunwen, Sun Yuli, et al. Effect of heat-insulating layer thickness on melting rate of ice fixed abrasives polishing pad [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):415-420.	Zhao, Yan	College of Mechanical and Electrical Engineering,, Nanjing University of Aeronautics and Astronautics,, Nanjing, China	Effect of heat-insulating layer thickness on melting rate of ice fixed abrasives polishing pad	2015	32	4
20154401478194	Qu Cheng, Wang Jiangfeng. Hybrid grid DSMC method for chemical nonequilibrium with rarefied flow heating [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):408-414.	Qu, Cheng	College of Aerospace Engineering,, Nanjing University of Aeronautics and Astronautics,, Nanjing, China	Hybrid grid DSMC method for chemical nonequilibrium with rarefied flow heating	2015	32	4
20154401478191	Zhang Yi, Long Zixuan. Fractional action-like variational problem and its Noether symmetries for a nonholonomic system [J] . Trans. Nanjing Univ. Aero. Astro., 2015,32(4):380-389.	Zhang, Yi	College of Civil Engineering,, Suzhou University of Science and Technology,, Suzhou, China	222. Fractional action-like variational problem and its noether symmetries for a nonholonomic system	2015	32	4
20154401478200	Xu Lei, Jiang Yanlong, Zheng Xiaoyi. Experiments on an open-loop cycle carbon dioxide refrigeration system [J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(4):452-460.	Xu, Lei	College of Aerospace Engineering,, Nanjing University of Aeronautics and Astronautics,, Nanjing, China	Experiments on an open-loop cycle carbon dioxide refrigeration system	2015	32	4

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20153001073759	Liu Rongmei, Xiao Jun, Liang Dakai, et al. Performance improvement method of CFRP with embedded optical fiber [J] . Trans. Nanjing U. Aero. Astro., 2015,32(3):261-267.	Liu, Rongmei	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Performance improvement method of CFRP with embedded optical fiber	2015	32	3
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20153001073758	Cao Maosen, Pan Lixia, Han Yi. Two-dimensional modal curvature for damage detection in plates [J] . Trans. Nanjing U. Aero. Astro., 2015,32(3):255-260.	Cao, Maosen	Department of Engineering Mechanics, Hohai University, Nanjing, China	Two-dimensional modal curvature for damage detection in plates	2015	32	3

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20153001073760	Sun Jian, Li Hongru, Wang Weiguo, et al. Morphological undecimated wavelet decomposition fusion algorithm and its application on fault feature extraction of hydraulic pump [J] . Trans. Nanjing U. Aero. Astro., 2015,32(3):268-278.	Sun, Jian	Mechanical Engineering College, Shijiazhuang, China	Morphological undecimated wavelet decomposition fusion algorithm and its application on fault feature extraction of hydraulic pump	2015	32	3
20153001073768	Li Qiufeng, Wang Yu, Liu Rongmei, et al. Ultrasonic computed tomography imaging method of concrete materials based on simulated annealing genetic algorithm [J] . Trans. Nanjing U. Aero. Astro., 2015,32(3):341-347.	Li, Qiufeng	The Ministry of Education Key Laboratory of NDT, Nanchang Hangkong University, Nanchang, China	Ultrasonic computed tomography imaging method of concrete materials based on simulated annealing genetic algorithm	2015	32	3
20153001073763	Cao Maosen, Zhang Zhui,Sha Ganggang. Data fusion of multiple curvature mode shapes for structural damage diagnosis [J] . Trans. Nanjing U. Aero. Astro., 2015,32(3):305-311.	Cao, Maosen	Department of Engineering Mechanics, Hohai University, Nanjing, China	Data fusion of multiple curvature mode shapes for structural damage diagnosis	2015	32	3

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20153001073762	Zhang Tao, Wei Pengyu, Yue Yalin. Resistance spot welding method for metal-based fiber Bragg grating sensors [J] . Trans. Nanjing U. Aero. Astro., 2015,32(3):289-296.	Zhang, Tao	China Ship Scientific Research Center, Wuxi, China	Resistance spot welding method for metal-based fiber bragg grating sensors	2015	32	3
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20153001073770	Xu Gaowa, Wu Jin, Wang Zhe, et al.Relationship between corrosion level of steel bar and diameter of corroded sensing steel wire in wireless sensor [J] . Trans. Nanjing U. Aero. Astro., 2015,32(3):297-304.	Xu, Gaowa	College of Aerospace Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Relationship between corrosion level of steel bar and diameter of corroded sensing steel wire in wireless sensor	2015	32	3
20153001073766	Zhou Fa, Zhang Wei, Sun Ke, et al. Optimized fuzzy clustering method for health monitoring of shield tunnels [J] . Trans. Nanjing U. Aero. Astro., 2015.32(3):325-333.	Zhou, Fa	School of Earth Sciences and Engineering, Nanjing University, Nanjing, China	Optimized fuzzy clustering method for health monitoring of shield tunnels	2015	32	3

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20152400935890	Zhao Yong, Gao Yun, Jiang Zongyu, et al. Numerical investigation on drag reduction effect by mass injection from porous boundary wall [J] . Trans. Nanjing U. Aero. Astro., 2015,32(2):250-254.	Zhao, Yong	Transportation Equipment and Ocean Engineering College, Dalian Maritime University, Dalian, China	Numerical investigation on drag reduction effect by mass injection from porous boundary wall	2015	32	2
20152400935889	Cao Jiufa, Wang Tongguang, Long Hui, et al. Dynamic loads and wake prediction for large wind turbines based on free wake method [J] . Trans. Nanjing U. Aero. Astro., 2015,32(2):240-249.	Cao, Jiufa	Jiangsu Key Laboratory of Hi-Tech Research for Wind Turbine Design, Nanjing University of Aeronautics & Astronautics, Nanjing, China	Dynamic loads and wake prediction for large wind turbines based on free wake method	2015	32	2
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20152400935888	Wang Jin'e, Gao Ping, Huang Haibo, et al.Posture adjustment of microphone based on image recognition in automatic welding system [J] .Trans. Nanjing U. Aero. Astro., 2015,32(2):232-239.	Wang, Jin'e	College of Mechanical and Electrical Engineering, Soochow University, Suzhou, China	Posture adjustment of microphone based on image recognition in automatic welding system	2015	32	2
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20152400935886	Shi Jingzhao, Song Le. Dynamic model identification for ultrasonic motor frequency-speed control [J] . Trans. Nanjing U. Aero. Astro., 2015,32(2):218-225.	Shi, Jingzhao	College of Electrical Engineering, Henan University Science and Technology, Luoyang, China	Dynamic model identification for ultrasonic motor frequency-speed control	2015	32	2
20152400935882	Shi Jingzhao, Zhang Caixia. Frequency-speed control model identification of ultrasonic motor using step response [J] . Trans. Nanjing U. Aero. Astro., 2015,32(2):192-198.	Shi, Jingzhao	College of Electrical Engineering, Henan University of Science and Technology, Luoyang, China	Frequency-speed control model identification of ultrasonic motor using step response	2015	32	2

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20152400935877	Chen Qianwei, Ju Quanyong, Huang Weiqing, et al.Stick-slip tower-shaped piezoelectric actuator [J] .Trans. Nanjing U. Aero. Astro., 2015,32(2):156-162.	Chen, Qianwei	School of Mechatronic Engineering, Jinling Institute of Technology, Nanjing, China	Stick-slip tower-shaped piezoelectric actuator	2015	32	2
20152400935887	Wang Junping,Liu Weidong,Zhu Hua,et al.Stepping control method of linear displacement mechanism driven by TRUM based on PSoC [J] .Trans. Nanjing U. Aero. Astro.,2015,32(2):226-231.	Wang, Junping	School of Mechanical Engineering, Northwestern Polytechnical University, Xi'an, China	Stepping control method of linear displacement mechanism driven by TRUM based on PSoC	2015	32	2
20152400935881	Duan Zhongxia, Xu Ju, Liu Junbiao. Preparation and characterization of PZT piezoelectric thick film generation materials enhanced by PZT nanoparticles [J] .Trans.Nanjing U. Aero. Astro., 2015, 32 (2) : 187-191.	Duan, Zhongxia	Institute of Electrical Engineering, Chinese Academy of Sciences, Beijing, China	Preparation and characterization of PZT piezoelectric thick film generation materials enhanced by PZT nanoparticles	2015	32	2

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20152400935879	Wang Jinpeng, Zhou Hongping, Jin Jiamei, et al. Friction behavior on contact interface of linear ultrasonic motor with hard contact materials [J] . Trans. Nanjing U. Aero. Astro.,2015 ,32(2):174-179.	Wang, Jinpeng	College of Mechanical and Electronic Engineering, Nanjing Forestry University, Nanjing, China	Friction behavior on contact interface of linear ultrasonic motor with hard contact materials	2015	32	2
20152400935878	Zhang Yifeng, Zhang Wu, Xiao Aiwu, et al.Influence of friction interface contact on ultrasonic motor efficiency under static conditions [J] .Trans. Nanjing U. Aero. Asrto.,2015,32(2):163-173.	Zhang, Yifeng	Xi'an Chuang Lian Ultrasonic Technology Co Ltd, Xi'an, China	Influence of friction interface contact on ultrasonic motor efficiency under static conditions	2015	32	2
20152400935884	Li Zongwei, Zhong Bowen, Wang Zhenhua, et al. Large thrust trans-scale precision positioning stage based on inertial stick-slip driving [J] . Trans. Nanjing U. Aero. Astro.,2015,32(2):204-209	Li, Zongwei	College of Mechanical and Electrical Engineering & Collaborative Innovation Center of Suzhou Nano Science and Technology, Soochow University, Suzhou, China	Large thrust trans-scale precision positioning stage based on inertial stick-slip driving	2015	32	2

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20151700789719	Xiao Liping, Zhang Yong, Lu Yuping. Control-oriented modeling and simulation on rigid-aeroelasticity coupling for hypersonic vehicle[J]. Trans. Nanjing Univ. Aero. Astro., 2015,32(1):70-80.	Xiao, Liping	UAV Research Institute, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Control-oriented modeling and simulation on rigid-aeroelasticity coupling for hypersonic vehicle	2015	32	1
20152400935890	Gao Yanhui, Zhu Feifei, Zhang Yong, et al. Wind estimation for UAV based on multi sensor information fusion[J]. Trans. Nanjing U. Aero. Astro., 2015,32(1):42-47.	Gao, Yanhui	Research Institute of UAV, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Wind estimation for UAV based on multi-sensor information fusion	2015	32	1
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20151700789713	Chen Wei, Zhou Jianhao, He Xiaoming. Recent progress in heavy fuel aviation piston engine [J] . Trans. Nanjing Univ. Aero. Astro., 2015, 32(1):22-28.	Chen, Wei	College of Energy and Power Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Recent progress in heavy fuel aviation piston engine	2015	32	1
20151700789712	Luo Qiufeng, Zhang Rui, Li Yong, et al. Gyroscope fault diagnosis using fuzzy SVM to unbalanced samples [J] . Trans. Nanjing Univ. Aero. Astro., 2015,32(1):16-21.	Luo, Qiufeng	UAV Research Institute, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Gyroscope fault diagnosis using fuzzy SVM to unbalanced samples	2015	32	1
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20151700789714	Zhen Ziyang, Pu Huangzhong, Chen Qi, et al. Nonlinear intelligent flight control for quadrotor unmanned helicopter[J]. Trans.Nanjing U.Aero.Astro.,2015,32(1):29-34.	Zhen, Ziyang	College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Nonlinear intelligent flight control for quadrotor unmanned helicopter	2015	32	1
20151700789727	Deng Haiqiang, Yu Xiongqing, Yin Hailian, et al. Trim drag prediction for blended-wing-body UAV configuration [J]. Trans.Nanjing Univ.Aero.Astro., 2015, 32(1):133-136.	Deng, Haiqiang	UAV Research Institute, Nanjing University of Aeronautics and Astronautics, Nanjing, China	Trim drag prediction for blended-wing-body UAV configuration	2015	32	1
20151700789711	Huang Daqing, Xu Cheng, Han Wei, et al. UAV velocity measurement for ground moving target [J] . Trans. Nanjing Univ. Aero. Astro., 2015,32(1):9-15.	Huang, Daqing	Research Institute of UAV, Nanjing University of Aeronautics and Astronautics, Nanjing, China	UAV velocity measurement for ground moving target	2015	32	1
20151700789725	Huan Dajun, Ding Bing, Li Yong, et al. High velocity impact experiment on Ti/CFRP/Ti sandwich structure [J]. Trans. Nanjing Univ. Aero. Astro.,2015,32(1):121-127.	Huan, Dajun	College of Material Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China	High velocity impact experiment on Ti/CFRP/Ti sandwich structure	2015	32	1

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20151700789718	Xu Jun, Ma Xiaoping. Transonic rudder buzz on tailless flying wing UAV [J].Trans. Nanjing Univ.Aero.Astro., 2015,32(1):61-69.	Xu, Jun	College of Aeronautics, Northwestern Polytechnical University, Xi'an, China	Transonic rudder buzz on tailless flying wing UAV	2015	32	1