

实验室 2017 年论文、专著汇总

序号	论文名称	出版社名称	论文所在期刊的卷、期、页	论文收录类型	论文作者
1.	区间不确定性优化设计理论与方法	科学出版社	2017 出版 2 月	专著	姜潮 韩旭 谢慧超
2.	金属体积成形数值模拟技术与应用	成都电子科大出版社	2017 出版 12 月	专著	易杰
3.	100 K cycles: Core-shell H-FeS@C based lithium-ion battery anode	Energy Storage Materials	2017,8: 20-27	SCI	Suhua Chena, Ling Fana, Lingling Xua, Qian Liu, Yong Qin, Bingan Lu
4.	A Bee Evolutionary Guiding Nondominated Sorting GeneticAlgorithm II for Multiobjective Flexible Job-Shop Scheduling	Computational Intelligence and Neuroscience	2017, 2017:5232518	SCI	Qianwang Deng, Guiliang Gong, Xuran Gong, Like Zhang, WEI Liu, Qinghua Ren
5.	A cell - based smoothed finite element method with semi - implicit CBS procedures for incompressible laminar viscous flows	INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS	DOI: 10.1002/fld.4406	SCI	Chen Jiang, Zhi - Qian Zhang ,Xu Han ,Guirong Liu, Tao Lin
6.	A Central Point-Based Discrete Shear Gap Method for Plates and Shells Analysis Using Triangular Elements	International Journal of Applied Mechanics	2017,9 (4):1750055	SCI	X. Y. Cui and L. Tian
7.	A Combined Organic Rankine Cycle with Double Modes Used for Internal Combustion Engine Waste Heat Recovery	Journal of Engineering for Gas Turbines and Power-Transactions of the ASME	2017, DOI: 10.1115/1.4036955	SCI	Zhu, Guohui, Liu, Jingping,Fu, Jianqin ,Wang, Shuqian
8.	A comparative study of three composite implicit schemes on structural dynamic and wave propagation analysis	Computers & Structures	2017, 190: 126-149.	SCI	WEIbinWen,YongTao,ShengyuDuan,junYan,Kai WEI,DainingFang
9.	A Copula-based perturbation stochastic method for fiber-reinforced composite structures with correlations	Computer Methods in Applied Mechanics and Engineering	2017, 322(1):351–372	SCI	X.Y. Cui , X.B. Hu, Y. Zeng
10.	A double-layer interpolation method for implementation of BEM analysis of problems in potential theory	Applied Mathematical Modelling	2017, 51: 250-269	SCI	Jianming Zhang, WEIcheng Lin, Yunqiao Dong, Chuanming Ju

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11.	A floating platform with embedded wave energy harvesting arrays in regular and irregular seas	ENERGIES	2017, 10(9):1348.	SCI	Zhang HC, Xu DL, Liu CR, Wu YS
12.	A formability evaluation method for sheet metal forming with non-linear strain path change	International Journal of Material Forming	2017: 1-13	SCI	Hongzhou Li; Guangyao Li; Guoqiang Gao; Wusheng Zhang; Xin Wu
13.	A fully smoothed XFEM for analysis of axisymmetric problems with weak discontinuities	International Journal for Numerical Methods in Engineering	2017,110(3):203-226	SCI	Wan D, Hu D, Natarajan S, et al.
14.	A general solution framework for time-variant reliability based design optimization	Computer Methods in Applied Mechanics & Engineering	2017,323:330–352	SCI	C. Jiang, T. Fang, Z.X. Wang, X.P. WEI, Z.L. Huang
15.	A high-throughput methodology search for the optimum cooling rate in an advanced polycrystalline nickel base superalloy	Materials & Design	2017,128:176-181	SCI	Hongyu Wu, Jia Li, Feng Liua, Lan Huang, Xin Zeng, Qihong Fangc,Zaiwang Huang,Liang Jiang
16.	A hybrid uncertain analysis approach for structural-acoustic problems with random and evidence variables	NOISE CONTROL ENGINEERING JOURNAL	2017,65(3): 158-173	SCI	Liu, J (Liu, Jian); Man, XF (Man, Xianfeng) ; Guo, YC (Guo, Yongchang); Chen, N (Chen, Ning)
17.	A linear smoothed higher-order CS-FEM for the analysis of notched laminated composites	engineering analysis with boundary elements	2017,85:(127-135)	SCI	Wan, DT; Hu, D; Natarajan, S; Bordas, SPA ; Long, T
18.	A linear smoothed quadratic finite element for the analysis of laminated composite REIssner–Mindlin plates	Composite Structures	2017, 180: 395-411	SCI	Detao Wan, Dean Hu, Sundararajan Natarajan, Stéphane P.A. Bordas, Ting Long
19.	A meshless-based local reanalysis method for structural analysis	Computers & Structures	2017, 192: 126-143	SCI	Zhenxing Cheng, Hu Wang
20.	A method for connected vehicle trajectory prediction and collision warning algorithm based on V2V communication	INTERNATIONAL JOURNAL OF CRASHWORTHINESS	2017,22(1):15-25	SCI	Zhang, Ruifeng; Cao, Libo; Bao, Shan

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21.	A microplasticity evaluation method in very high cycle fatigue	International Journal of Fatigue	2017,94:6-15	SCI	XG Wang, ES Feng, C Jiang
22.	A molecular dynamics investigation into the mechanisms of material removal and subsurface damage of nanoscale high-speed laser-assisted machining	Molecular Simulation	2017,43(1):42-51	SCI	戴厚富,陈根余
23.	A Monte Carlo simulation method for non-random vibration analysis	Acta Mechanica	2017,9:1-23	SCI	Jiang, C ; Liu, NY; Ni, BY
24.	A New Concept for the Stability Design of Floating Airport with Multiple Modules	Procedia IUTAM		EI	HaichengZhangaDaolinX uaShuyanXiaaYousheng Wub Show more
25.	A new evidence-theory-based method for response analysis of acoustic system with epistemic uncertainty by using Jacobi expansion	Computer methods in applied mechanics and engineering	2017,322:419–440	SCI	Shengwen Yin, Dejie Yu, Hui Yin, Baizhan Xia
26.	A new implementation of BEM by an expanding element interpolation method	Engineering Analysis with Boundary Elements	2017,78:1-7	SCI	Jianming Zhang, , LEI Han, WEIcheng Lin, Yunqiao Dong, Chuanming Ju
27.	A new M×N-grid double-scroll chaotic attractors from Rucklidge chaotic system	Optik	2017,136:27-35	SCI	Chen, Zhong; Wen, Guilin; Zhou, Huaan
28.	A new surface roughness measurement method based on a color distribution statistical matrix	Measurement	2017,103:165–178	SCI	Liu J, Lu E, Yi H, et al
29.	A novel method for prediction of tensile strength of spherical particle-filled polymer composites with strong adhesion	Polymer Engineering and Science	2017,57(2):137-143	SCI	Dai H L, MEI C, Rao Y N
30.	A novel Multi-Grid assisted reanalysis for re-meshed finite element models	Computer Methods in Applied Mechanics and Engineering	2017,313(1):817-833	SCI	Huang Guanxin, Wang Hu, Li Guangyao
31.	A novel quasi-zero-stiffness strut and its applications in six-degree-of-freedom vibration isolation platform	Journal of Sound and Vibration	2017,(394)59-74	SCI	Jiaxi Zhou , Qingyu Xiao , Daolin Xu, Huajiang Ouyang , Yingli Li d

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32.	A novel squeeze-film air bearing with flexure pivot-tilting pads: Numerical analysis and measurement	International Journal of Mechanical Sciences	2017,134:41-50	SCI	Kai Feng, Minghui Shi,Tao Gong,Yuanyuan Liu, Jie Zhu
33.	A novel sub-step composite implicit time integration scheme for structural dynamics	Computers and Structures	2017,182: 176–186	SCI	W.B. Wen , K. WEI , H.S. LEI , S.Y. Duan , D.N. Fang
34.	A numerical study of ultraprecision machining of monocrystalline silicon with laser nano-structured diamond tools by atomistic simulation	Applied Surface Science	2017, 393:405-416	SCI	Houfu Dai, Genyu Chen, Cong Zhou, Qihong Fang, Xinjiang FEI
35.	A numerical study on the injury prevention for the occupants seated in aircraft side-facing seats	International Journal of Crashworthiness	2017: 1-13	EI	Wu, Jun; Lin, Shiyuan; Cao, Libo; Adamou, Franck Njilie
36.	A proposed vision and vehicle-to-infrastructure communication-based vehicle positioning approach	JOURNAL OF INTELLIGENT TRANSPORTATION SYSTEMS	2017,21(2):123-135	SCI	Cao, Libo; Chen, Zheng; Yan, Lingbo
37.	A quartic B-spline based explicit time integration scheme for structural dynamics with controllable numerical dissipation	Computational Mechanics	2017,59:403–418	SCI	W. B. Wen S. Y. DuanJ. YanY. B. MaK. WEID. N. Fang
38.	A random field model based on nodal integration domain for stochastic analysis of heat transfer problems	International Journal of Thermal Sciences	2017,122:231-247	SCI	T.J.Yang,X.Y.Cui
39.	A reconstructed edge-based smoothed DSG element based on global coordinates for analysis of REIssner–Mindlin plates	Acta Mechanica Sinica	2017,33(1):83-105	SCI	Yang G, Hu D, Long S.
40.	A Single-Loop Approach for Time-Variant Reliability-Based Design Optimization	IEEE Transactions on Reliability	2017, 66(3):651-661	SCI	Huang, Zhi Liang; Jiang, Chao; Li, Xiao Ming
41.	A Six Degrees-of-Freedom Vibration Isolation Platform Supported by a Hexapod of Quasi-Zero-Stiffness Struts	JOURNAL OF VIBRATION AND ACOUSTICS-TRANSACTIONS OF THE ASME	2017,139(3)	SCI	Zhou, Jiayi, Wang, Kai, Xu, Daolin, Ouyang, Huajiang, Li, Yingli

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42.	A spherical element subdivision method for the numerical evaluation of nearly singular integrals in 3D BEM	ENGINEERING COMPUTATIONS	2017,34(6):2074-2087	SCI	Zhang JM (Zhang Jianming); Wang P (Wang Pan); Lu CJ (Lu Chenjun) ; Dong YQ (Dong Yunqiao)
43.	A stable nodal integration method for static and quasi-static electromagnetic field computation	Journal of Computational Physics	2017,336:580-594	SCI	Hui Feng, Cui xiangyang, Li guangyao
44.	A stochastic perturbation edge-based smoothed finite element method for the analysis of uncertain structural-acoustics problems with random variables	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	2017,80: 116-126	SCI	Wu, F (Wu, F.); Yao, LY (Yao, L. Y.); Hu, M (Hu, M.); He, ZC (He, Z. C.);
45.	A time-variant reliability analysis method for structural systems based on stochastic process discretization	INTERNATIONAL JOURNAL OF MECHANICS AND MATERIALS IN DESIGN	2017,13(2):173-193	SCI	C. Jiang . X. P. Huang . X. P. WEI . N. Y. Liu
46.	A triangular prism solid and shell interactive mapping element for electromagnetic sheet metal forming process	JOURNAL OF COMPUTATIONAL PHYSICS	2017,336:192-211	SCI	Cui XY, Li S Feng H Li GY
47.	A triple reciprocity method in Laplace transform boundary element method for three-dimensional transient heat conduction problems	International Journal of Heat and Mass Transfer	2017, 114: 258-267	SCI	Shuaiping Guo, Xuejun Li, Jianming Zhang, Guangfu Bin, WEI Huang
48.	A unified approach for squeal instability analysis of disc brakes with two types of random-fuzzy uncertainties.	Mechanical Systems and Signal Processing,	2017,93:281-298.	SCI	Hui L, Shangguan W B, Yu D.
49.	A unified method for the response analysis of interval/random variable models of acoustic fields with uncertain-but-bounded parameters	International Journal for Numerical Methods in Engineering	2017, 111(6):503-528	SCI	Yin, Shengwen; Yu, Dejie; Yin, Hui;
50.	Achieving Large Band Gaps in 2D Symmetric and Asymmetric Photonic Crystals	JOURNAL OF LIGHTWAVE TECHNOLOGY	2017,35(9):1670-1676	SCI	Meng, FEI, Li, Yangfan, Li, Shuo, Lin, Han, Jia, Baohua, Huang, Xiaodong

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51.	Acoustic simulation using a novel approach for reducing dispersion error	INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS	2017, 84(3): 109-134	SCI	Wang, G, Cui XY Li GY
52.	Adaptive parameterless empirical wavelet transform based time-frequency analysis method and its application to rotor rubbing fault diagnosis	SIGNAL PROCESSING	2017,130:305-314	SCI	Zheng, Jinde; Pan, Haiyang; Yang, Shubao
53.	Adaptive sparsest narrow-band decomposition method and its applications to rolling element bearing fault diagnosis.	Mechanical Systems and Signal Processing,	2017,85:947-962.	SCI	Cheng JS, Peng YF, Yang Y, Wu ZT
54.	All-angle negative refraction flatlens with a broad bandwidth	Photonics and Nanostructures - Fundamentals and Applications	DOI: 10.1016/j.photonics.2017.08.003	EI	Shuo Li , Fei Meng , Han Lin, Xiaodong Huang , Baohua Jia
55.	All-dimension neighborhood based particle swarm optimization with randomly selected neighbors	Information Sciences	2017, 405: 141-156	SCI	Sun W, Lin A, Yu H,
56.	Alternative kriging-HDMR optimization method with expected improvement sampling strategy	Engineering Computations (Swansea, Wales)	2017,34(6):1807-1828	SCI	Li, Enying; Ye, Fan; Wang, Hu
57.	An Accurate and Efficient Analytical Method for 1D Hexagonal Quasicrystal Coating under the Tangential Force Based on the Green's Function	International Journal of Mechanical Sciences	2017,131: 982-1000	SCI	Peng-FEI Hou, Bing-Jie Chen, Yang Zhang
58.	An accurate and efficient method for the piezoelectric coated functional devices based on the three-dimensional Green's functions under a tangential point force	International Journal of Mechanical Sciences	2017, 133: 387-415	SCI	Peng-FEI Hou, Yang Zhang
59.	An accurate and efficient scheme for acoustic-structure interaction problems based on unstructured mesh	Computer Methods in Applied Mechanics and Engineering	2017,317:1122-1145	SCI	X.Y. Cui, X. Hu, G. Wang, G.Y. Li
60.	An adaptive differential evolution algorithm with an aging leader and challengers mechanism	APPLIED SOFT COMPUTING	2017, 57:60-73	SCI	Fu, C. M.; Jiang, C.; Chen, G. S.;

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61.	An analytical solution of three-dimensional steady thermodynamic analysis for a piezoelectric laminated plate using refined plate theory	Composite Structures	2017, 162, 194-209	SCI	Jiang, HJ ; Liang, LH; Ma, L ; Guo, J; Dai, HL ; Wang, XG
62.	An approach to the analysis of heat and mass transfer characteristics in indirect evaporative cooling with counter flow configurations	International Journal of Heat and Mass Transfer	2017,108:1750-1763	SCI	Yangda Wan, Chengqin Ren, Li Xing
63.	An arbitrary boundary with ghost particles incorporated in coupled FEM–SPH model for FSI problems	Journal of Computational Physics	2017,50:66–183	SCI	Ting Long, Dean Hu, Detao Wan, Chen Zhuang, Gang Yang
64.	An assumed mode method and finite element method investigation of the coupled vibration in a flexible-disk rotor system with lacing wires.	Journal of Mechanical Science & Technology,	2017,31(2):577-586.	SCI	Zhou S T, Chiu Y J, Yu G F,
65.	An automated method to morph finite element whole-body human models with a wide range of stature and body shape for both men and women	Journal of Biomechanics	2017,60:253-260	SCI	Kai Zhang, Libo Cao, Abeselom Fanta, Matthew P. Reed, Mark Neal, Jenne-Tai Wang, Chin-Hsu Lin, Jingwen Hu
66.	An efficient lightweight design strategy for body-in-white based on implicit parameterization technique	Structural and Multidisciplinary Optimization	2017, 55(5):1927-1943	SCI	LB Duan, NC Xiao, ZH Hu, Li GY, Cheng AG
67.	An efficient method for topology optimization of continuum structures in the presence of uncertainty in loading direction	International Journal of Computational Methods	2017: 1750054	SCI	Liu, Jie, Wen, Guilin, Qing, Qixiang , Xie, Yi Min
68.	An efficient method to reduce ill-posedness for structural dynamic load identification. Mechanical Systems and Signal Processing	Mechanical Systems and Signal Processing	2017, 95: 273-285.	SCI	Jie Liu, Xianghua Meng, Dequan Zhang, Chao Jiang, Xu Han
69.	An electromagnetic forming analysis modelling using nodal integration axisymmetric thin shell	JOURNAL OF MATERIALS PROCESSING TECHNOLOGY	2017,244:62-72	SCI	Li She, Cui Xiangyang, Feng Hui, Wang Gang

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70.	An enhanced flexible dynamic model and experimental verification for a valve train with clearance and multi-directional deformations	Journal of Sound and Vibration	2017,410:249-268	SCI	Changjiang Zhou ;BoHu ; Siyu Chen ; Liping He
71.	An experimental and numerical study on quasi-static and dynamic crashing behaviors for tailor rolled blank(TRB) structures	Materials & Design	2017,118(15):175-197	SCI	Guangyong Sun, Huile Zhang, Guoxing Lu, Jianwen Guo, Junjia Cui, Qing Li
72.	An extended edge-based smoothed discrete shear gap method for free vibration analysis of cracked REIssner–Mindlin plate	Applied Mathematical Modelling	2017, 51: 477-504	SCI	Gang Yang, Dean Hu, Xu Han, GuowEI Ma
73.	An imprecise probability approach for squeal instability analysis based on evidence theory	Journal of Sound and Vibration	2017, 387, 96-113	SCI	HuiLüaWen-BinShangguanaDejieYub
74.	An improved fast plane wave expansion method for topology optimization of phononic crystals	International Journal of Mechanical Sciences	2017,120:171-181	SCI	Xie, Longxiang Xia, Baizhan Liu, Jian Huang, Guoliang LEI, Jirong
75.	An improved time integration scheme based on uniform cubic B-splines and its application in structural dynamics	APPLIED MATHEMATICS AND MECHANICS-ENGLISH EDITION	2017,38(6):889-908	SCI	WEIbin WEN, Hongshuai LEI, Kai WEI, Baosheng XU, Shengyu DUAN, Daining FANG
76.	An object-oriented MATLAB toolbox for automotive body conceptual design using distributed parallel optimization	Advances in Engineering Software	2017,106: 19–32	SCI	Huan Qin, Zijian Liu , Yu Liu, Haolong Zhong
77.	An optimal model-based trajectory following architecture synthesising the lateral adaptive preview strategy and longitudinal velocity planning for highly automated vehicle	Vehicle System Dynamics	2017,55(8):1143-1188	SCI	Haotian Cao, Xiaolin Song, Song Zhao, Shan Bao, Zhi Huang
78.	An Organic Cathode for Potassium Dual-Ion Full Battery	ACS Energy Letters	2017,2(7):1614-1620	SCI	Fan, L , Liu, Q , Xu, Z, Lu, BG
79.	An Outcrossing Rate Model and Its Efficient Calculation for Time-Dependent System Reliability Analysis	Journal of Mechanical Design	2017.139(4)	SCI	Jiang, C;WEI, XP; Huang, ZL;Liu, J

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80.	An accurate and efficient method for piezoelectric coated functional devices based on the two-dimensional Green's function for a normal line force and line charge	SMART MATERIALS AND STRUCTURES	2017,26(9)	SCI	Hou, PF ; Zhang, Y
81.	An analytical solution of three-dimensional steady thermodynamic analysis for a piezoelectric laminated plate using refined plate theory	COMPOSITE STRUCTURES	2017,162:194-209	SCI	Jiang, HJ (Jiang, Hao-Jie); Liang, LH (Liang, Li-Hua); Ma, L (Ma, Li); Guo, J (Guo, Jing); Dai, HL (Dai, Hong-Liang); Wang, XG (Wang, Xiao-Gui)
82.	Analysis and experimental study on a novel gas foil bearing with nested compression springs	Tribology International,	2017, 107:65-76.	SCI	Feng K, Liu W, Yu R,
83.	Analysis of a rotating FGME circular disk with variable thickness under thermal environment	Applied Mathematical Modelling	2017,45:900-924	SCI	T Dai,HL Dai
84.	Analysis of End-of-Life Vehicle Recycling Based on Theory of Planned Behavior	ENVIRONMENTAL ENGINEERING SCIENCE	2017,34(9):627-637	SCI	Qianwang Deng, Xun Li,* Yuanrui Wang, and WEI Ming Li
85.	Analysis of flow field in cutting zone for spiral orderly distributed fiber tool	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	2017,92:4345-4354	SCI	Mingjun Zhang, Yang Tan,Fangjian Zhou, Cong Mao,Zhizhou Xie
86.	Analysis of heat and mass transfer characteristics in vertical plate channels with falling film evaporation under uniform heat flux/uniform wall temperature boundary conditions	International Journal of Heat and Mass Transfer	2017,108:1279-1284	SCI	Wan, Yangda; Ren, Chengqin; Xing, Li; Yang, Yang
87.	Analytical determination for degenerate grazing bifurcation points in the single-degree-of-freedom impact oscillator	Nonlinear Dynamics	90 (2017) 443-456	SCI	Shan Yin, Yongkang Shen,GuilinWen, Huidong Xu

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88.	Anti-control of period doubling bifurcation for a variable substitution model of Logistic map	Elsevier GmbH	2017,130:1327-1332	SCI	Zhang, L (Zhang, Liang); Tang, JS (Tang, Jiashi); Ouyang, KJ (Ouyang, Kejian)
89.	Asymmetric Propagation of the First Order Antisymmetric Lamb Wave in a Tapered Plate Based on Time Domain Analysis	ACOUSTICAL PHYSICS	2017,63(4):393-401	SCI	Shao-Yong Huo, Jiu-Jiu Chen, Guang-Huang Song, and Xu Han
90.	Atomic scale investigation of nanocrack evolution in single-crystal and bicrystal metals under compression and shear deformation	Journal of Alloys & Compounds	2017, 710:281-291.	SCI	Fang Q, Li J, Luo H,
91.	Atomic-scale strengthening mechanism of dislocation-obstacle interaction in silicon carbide particle-reinforced copper matrix nanocomposites	Ceramics International	2017,43(4):3839-3946	SCI	Li J, Liu B, Fang Q H, et al.
92.	Axial and lateral crushing responses of aluminum honeycombs filled with EPP foam	Composites Part B	2017,30:236-247	SCI	Qiang Liu, Jie Fu, Jinsha Wang, Jingbo Ma, Hang Chen, Qing Li, David Hui
93.	Bending analysis and design optimisation of tailor-rolled blank thin-walled structures with top-hat sections	INTERNATIONAL JOURNAL OF CRASHWORTHINESS	2017,22(3):227-242	SCI	Duan, Libin; Xiao, Ningcong; Li, Guangyao
94.	Broad-band and high-efficiency polarization converters around 1550 nm based on composite structures	OPTICS EXPRESS	2017,25(13):14406-14413	SCI	Shang, XJ(Shang, Xiong-Jun); Zhai, X (Zhai, Xiang); Yue, J (Yue, Jing); Luo, X (Luo, Xin); Liu, JP (Liu, Jian-Ping); Zhu, XP (Zhu, Xu-Peng); Duan, HG (Duan, Hui-Gao); Wang, LL (Wang, Ling-Ling);
95.	Catalytic effect of nickel phthalocyanine on hydrogen storage properties of magnesium hydride: Experimental and first-principles studies	International Journal of Hydrogen Energy	2017, 42, 47, 23 28485-28497	SCI	J.Zhang H.QuaS.YanaG.WuaX.F. YuaD.W.Zhoub

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96.	Characterization of nesting effects on compression processes for plain woven fabrics in composites manufacturing	Journal of REInforced Plastics and Composites	2017, 36:1503-1513	SCI	Xujing Yang, Yanke Wang, Fuhao Mo, Kai WEI, Shuyong Duan
97.	Closed loop geometry based optimization by integrating subdivision, reanalysis and metaheuristic searching techniques	Computers and Structures	2017,187:122	EI	Huang Guanxin , Wang Hu, Wang Guoping ,Li Guangyao, Zhang Congyi
98.	Coalescence of mesophase spheres and microstructure of graphitic carbon revealed by scanning electron microscopy	Journal of Materials Science	2017,52(21):12663-12676	SCI	Chen LEI,FEI Youqing,Fan Xiaohua , Jiang Zhao
99.	Comparative analysis of soot formation processes of diesel and ABE (Acetone-Butanol-Ethanol) based on CFD coupling with phenomenological soot model	Fuel	2017, 203, 380-392	SCI	Jianqin FuaJunShua Zhichao Zhaoab JingpingLiua FengZhoua
100.	Comparison of in-cylinder combustion and heat-work conversion processes of vehicle engine under transient and steady-state conditions	Energy Conversion and Management	2017,132:400-409	SCI	Xu, Zhengxin Fu, Jianqin Liu, Jingping Yuan, Zhipeng Shu, Jun Tan, Ligang
101.	Comparisons between the dynamic and quasi-static performances of a dissipative dielectric elastomer under pure shear mode	Smart Materials and Structures	2017,26(10)	SCI	Chen, S. E.; He, Z. C.; Li, Eric
102.	Comprehensive global optimization of an implicit constrained multi-physics system for electric vehicles with in-wheel motors	Energy	2017, 139: 523-534	SCI	FEI LEI, Ke Gu, Bin Du, Xiaoping Xie
103.	Compressive deformation behavior and microstructure evolution of AM80 magnesium alloy under quasi-static and dynamic loading	International Journal of Impact Engineering	2017, 109: 112-120	SCI	Pengcheng Guo, Luoxing Li, Xiao Liu, Tuo Ye, Shufen Cao, Congchang Xu, Shikang Li
104.	Computational Study of Fracture Characteristics in Infant Skulls Using a Simplified Finite Element Model	JOURNAL OF FORENSIC SCIENCES	2017,62(1):39-49	SCI	Jiang, Binhui; Zhu, Feng; Cao, Libo

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105.	Concurrent topological design of composite structures and the underlying multi-phase materials	Computers and Structures	2017,179::1-14	SCI	Da, D.C Cui, X.Y Long, K Li, G.Y
106.	Connection effect on amplitude death stability of multi-module floating airport	Ocean Engineering	2017,129:46-56	SCI	H.C. Zhang D.L. Xu C. Lu E.R. Qi C. Tian Y.S. Wu
107.	Constructive-interference-enhanced Fano resonance of silver plasmonic heptamers with a substrate mirror: a numerical study	OPTICS EXPRESS	2017,25(9): 9938-9946	SCI	H Duan, H Shi, Q Liu, S Zhang, X Zhu
108.	Continuous twice-impacts analysis of UHMWPE laminate fixed with bolted joints	International Journal of Impact Engineering	2017, 109: 293-301	SCI	Zhiwei Shen, Dean Hu, Youmin Zhang, Qingyu Cai, Xu Han
109.	Continuum structural layout in consideration of the balance of the safety and the properties of structures	Latin American Journal of Solids and Structures	2017,4(6): 1143-1169	SCI	Hongxin Wang Jie Liu Xiuyang Qian Xiaonan Fan Guilin Wen
110.	Continuum topology optimization considering uncertainties in load locations based on the cloud model	Engineering Optimization	10.1080/0305215X.2017.1361417	EI/SCI	Liu, Jie ; Wen, Guilin
111.	Core-shell ZnCo ₂ O ₄ @TiO ₂ nanowall arrays as anodes for lithium ion batteries	Nanotechnology	2017, 28(16):165403	SCI	WEI Shi,Haitao zhao,band Bingan Lua
112.	Coupled Analysis of Unsteady Aerodynamics and Vehicle Motion of a Passenger Car in Crosswind Condition	Journal of Applied Fluid Mechanics	2017,10(2):625-637	SCI	T. M. Huang, Z. Q. Gu, C. J.Feng
113.	Coupled-field simulation of electromagnetic tube forming process using a stable nodal integration method	International Journal of Mechanical Sciences	2017,128:332-344	SCI	H. Feng, X.Y. Cui, G.Y. Li
114.	Crashworthiness analysis and optimization of fourier varying section tubes	INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS	2017,92:41-58	SCI	Shengyin Wu;Guangyong Sun;Xin Wu;Guangyao Li;Qing Li

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115.	Crashworthiness analysis of octagonal multi-cell tube with functionally graded thickness under multiple loading angles	THIN-WALLED STRUCTURES	2017,110:133-139	SCI	Chen, Yafeng; Bai, Zhonghao; Zhang, LinwEI
116.	Crashworthiness design of functionally graded structures with variable diameters	INTERNATIONAL JOURNAL OF CRASHWORTHINESS	2017,22(2):148-162	SCI	Pang, Tong; Kang, Hehe; Yan, XiaolEI
117.	Design and hydrodynamic analysis of horizontal axis tidal stream turbines with winglets	Ocean Engineering	2017,144:374-383	SCI	Yiru Ren, Bingwen Liu, Tiantian Zhang , Qihong Fang
118.	Design for structural vibration suppression in laminate acoustic metamaterials	Composites Part B	2017,131: 237-252	SCI	Z.C. He, X. Xiao, Eric Li
119.	Design of materials using hybrid cellular automata	STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION	2017,56 (1):131-137	SCI	Da D C, Chen J H, Cui X Y
120.	Design of novel plug-type triggers for composite square tubes: enhancement of energy-absorption capacity and inducing failure mechanisms	International Journal of Mechanical Sciences	2017,131-132:113-136	SCI	Hongyong Jiang,Yiru Ren, , Binhua Gao, , Jinwu Xiangc , Fuh-Gwo Yuan
121.	Design optimization of a new W-beam guardrail for enhanced highway safety performance	Advances in Engineering Software	2017,112:154-164	SCI	Hanfeng Yin, Youye Xiao, Guilin Wen, Hongbing Fang
122.	Design optimization of tailor-rolled blank thin-walled structure based on ε -support vector regression technique and genetic algorithm	Engineering Optimization	2017,.49(7): 1148-1165	SCI	LB Duan, NC Xiao, GY Li, AG Cheng, T Chen
123.	Design optimizations of composite bumper beam with variable cross-sections for automotive vehicle	International Journal of Crashworthiness	2017,22(4):365-376	SCI	Guohua Zhu, Zhen Wang, Aiguo Cheng , Guangyao Li
124.	DEVELOPMENT OF A BELTED OCCUPANT FE MODEL FOR PREDICTION OF CHEST INJURY RISK BASED ON STRESS AND STRAIN ANALYSIS	Journal of Mechanics in Medicine and Biology	2017,17(3)	SCI	S Xiao , J Yang , J Huang , JR Crandall

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125.	Development of a perfect match system in the improvement of Eigenfrequencies of free vibration	Applied Mathematical Modelling	2017,44:614-639	SCI	Li E ,He ZC
126.	Dirac cones in two-dimensional acoustic metamaterials	JOURNAL OF APPLIED PHYSICS	2017,122(6)	SCI	Hongqing Dai, Baizhan Xia, and Dejie Yu
127.	Discrete-in-time feedback control of near-grazing dynamics in the two-degree-of-freedom vibro-impact system with a clearance	NONLINEAR DYNAMICS	2017,87(2):1127-1137	SCI	Xu, Huidong; Yin, Shan; Wen, Guilin
128.	Distributed dynamic load identification based on shape function method and polynomial selection technique	INVERSE PROBLEMS IN SCIENCE AND ENGINEERING	2017,25(9):1323-1342	SCI	Li, Kun; Liu, Jie; Han, Xu
129.	Distribution and Structural Analysis of Polycyclic Aromatic Hydrocarbons Abundant in Coal Tar Pitch	ENERGY & FUELS	2017,31(5):4694-4704	SCI	Fan, Xiaohua, FEI, Youqing, Chen, LEI, Lit, WEI
130.	Disturbance observer based Takagi-Sugeno fuzzy control for an active seat suspension,	Mechanical Systems and Signal Processing	2017,93:515-530.	SCI	Ning D, Sun S, Zhang F
131.	Double Dirac cone in two-dimensional phononic crystals beyond circular cells	JOURNAL OF APPLIED PHYSICS	2017,121(13)	SCI	Hongqing Dai, Tingting Liu, Junrui Jiao, Baizhan Xia, Dejie Yu
132.	Dual-mode switched control of suspension with consideration of actuator dynamics	International Journal of Vehicle Design	2017, 74(2): 106-133,	SCI	Zhou, Bing; Wu, Xiaojian; Wen, Guilin;
133.	Dynamic analysis for cracked fiber-metal laminated beams carrying moving loads and its application for wavelet based crack detection	COMPOSITE STRUCTURES	2017,159:463-470	SCI	Tao, Chang; Fu, Yiming; Dai, Ting
134.	Dynamic crash responses of bio-inspired aluminum honeycomb sandwich structures with CFRP panels	COMPOSITES PART B-ENGINEERING	2017,121:122-133	SCI	Wu, YH;Qiang, L;Fu, J;Li, Q;Hui, D
135.	Dynamic Color Displays Using Stepwise Cavity Resonators	NANO LETTERS	2017,17(9):5555-5560	SCI	Chen, YQ; Duan, XY; Matuschek, M; Zhou, YM; Neubrech, F; Duan, HG; Liu, N

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136.	Economic design based on a multivariate Bayesian VSI chart with a dual control limit	COMMUNICATIONS IN STATISTICS-THEORY AND METHODS	2017,46(14): 6808-6822	SCI	Zhang, X (Zhang, Xing); Liu, J (Liu, Jian); Tan, C (Tan, Chao);
137.	Effect of a generalized shape PEierls potential and an external stress field on kink mechanism in a continuum model	International Journal of Plasticity	2017,90:267-285	SCI	Z.P. Pi, Q.H. Fang, B. Liu, Y.Liu, P.H. Wen
138.	Effect of adding powder on joint properties of laser penetration welding for dual phase steel and aluminum alloy	Optics and Laser Technology	2017,94:171–179	SCI	D.W. Zhou, J.S. Liu, Y.Z. Lu, S.H. Xu
139.	Effect of different technologies on combustion and emissions of the diesel engine fueled with biodiesel: A review	Renewable & Sustainable Energy Reviews	2017,80:620-647	SCI	Jiaqiang E , Minhhieu Pham, D. Zhao c, Yuanwang Deng, DucHieu Le, WEI Zuo, Hao Zhu , Teng Liu , Qingguo Peng, Zhiqing Zhang
140.	Effect of lattice distortion on solid solution strengthening of BCC high-entropy alloys	Journal of Materials Science and Technology	2017, DOI: 10.1016/j.jmst.2017.07.013	EI	Zhipeng Wang, Qihong Fang,Jia Li,Bin Liu,Yong Liu
141.	Effect of microfabrication defects on the performance of rarefaction gas-lubricated micro flexure pivot tilting pad gas bearing in power MEMS	MICROSYSTEM TECHNOLOGIES -MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS	2017, 23(8): 3401-3419	SCI	Wenjun Li; Wanhui Liu; Kai Feng
142.	Effect of nanoscale twin and dislocation pileup at twin boundary on crack blunting in nanocrystalline materials	ACTA MECHANICA	2017,228:3483–3495	SCI	H. B. Zhao , H. Feng , F. Liu , Y. W. Liu , P. H. Wen
143.	Effect of point heat source on growth of subsurface crack induced in brittle material machining	JOURNAL OF THERMAL STRESSES	2017,40(1):72-85	SCI	Chen, Jianbin; Fang, Qihong; Du, Jianke

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144.	EFFECT OF SELF DAMPING AND HIGHER-ORDER GEOMETRICAL NONLINEARITY ON HISTORY OF SPRINGBACK AMOUNT FOR A RECTANGULAR HSLA STEEL PLATE	Journal of Mechanics	2017,33(5):673-685	SCI	H. L. Dai, Z. H. Xiao,H. J. Jiang,A. H. Luo W. L. Xu
145.	Effects of anodic oxidation for combustion chamber on heat transfer of the piston in an aero-engine	Experimental Heat Transfer	2017,30(1):46-65	SCI	Wang, Yi Li, Yangtao Yang, Jing Sun, Cheng Liu, Kaimin Feng, Renhua
146.	Effects of cooperative grain boundary sliding and migration on the particle cracking of fine-grained magnesium alloys	JOURNAL OF ALLOYS AND COMPOUNDS	2017,704:641-648	SCI	Xie, C., Wang, Y. N., Fang, Q. H., Ma, T. F., Zhang, A. B., Peng, W. F., Shu, X. D.
147.	Effects of laser modes on Nb segregation and Laves phase formation during laser additive manufacturing of nickel-based superalloy	Materials Letters	2017, 188:260-262.	SCI	Xiao H, Li S M, Xiao W J,.
148.	Effects of lean combustion coupling with intake tumble on economy and emission performance of gasoline engine	Energy	2017,133:366-379	SCI	Feng Zhou, Jianqin Fu, Wenhui Ke, Jingping Liu, Zhipeng Yuan, Baojun Luo
149.	Effects of organic phosphorus acid on the core-shell structure and electrochemical properties of LiFePO ₄ uniformly wrapped with in-situ grown graphene nanosheets,	Journal of Alloys and Compounds	2017, 727, 948-955.	SCI	Liping He a, , Wenke Zha a ,Dachuan Chen
150.	Energy absorption characteristics of sandwich structures with composite sheets and bio coconut core	Composites Part B: Engineering	2017,114:328-338	SCI	Taiqu Liu, Shujuan Hou, Xuantruong Nguyen, Xu Han
151.	Energy absorption mechanics for variable thickness thin-walled structures	Thin-Walled Structures	2017,118:214-228	SCI	Guangyong Sun, Tong Pang, Chenglong Xu, Gang Zheng, Jie Song
152.	Energy absorption of bio-inspired multi-cell CFRP and aluminum square tubes	COMPOSITES PART B-ENGINEERING	2017, 121: 134-144	SCI	Liu, Q (Liu, Qiang); Ma, JB (Ma, Jingbo); He, ZH (He, Zhaoheng); Hu, Z (Hu, Zhong); Hui, D (Hui, David);

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153.	Energy-based approach for fatigue life prediction of pure copper	International Journal of Fatigue	2017, 104: 243-250	SCI	X.G. Wang, V. Crupi, C. Jiang, E.S. Feng, E. Guglielmino, C.S. Wang
154.	Evidence-Theory-Based Analysis for Structural-Acoustic Field with Epistemic Uncertainties	International Journal of Computational Methods	2017:14(2):175001 2:1-18	SCI	Longxiang Xie, Jian Liu, Jinan Zhang, Xianfeng Man
155.	Evolutionary topology optimization of continuum structures with smooth boundary representation	STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION		SCI	Daicong Da,Liang Xia,Guangyao Li, Xiaodong Huang
156.	Exact and efficient isogeometric reanalysis of accurate shape and boundary modifications	COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING	2017,318:619-635	SCI	Ding Chensen, Cui Xiangyang, Huang Guanxin, Li Guangyao, Tamma Kumar K.
157.	Exact solution of thermoelectroelastic behavior of a fluid-filled FGPM cylindrical thin-shell	Composite Structures	2017, 162: 411-423	SCI	Dai H L, Luo W F, Dai T, et al.
158.	Experimental and numerical investigation into axial compressive behaviour of thin-walled structures filled with foams and composite skeleton	International Journal of Mechanical Sciences	2017,122:104-119	SCI	Zhu G, Wang Z, Huo XT; Cheng, AG; Li, GY; Zhou, CY
159.	Experimental and numerical investigation of Long Glass Fiber REInforced Polypropylene composite and application in automobile components	COMPOSITES PART B-ENGINEERING	2017,88:101-107	SCI	Duan, Shuyong; Yang, Xujing ; Tao, Yourui; Mo, Fuhao ; Xiao, Zhi ; WEI, Kai
160.	Experimental and numerical investigation on galling behavior in sheet metal forming process	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	2017,88:1101-1109	SCI	Dong, Wenzheng; Xu, Ling; Lin, Qiquan
161.	Experimental and numerical study on honeycomb sandwich panels under bending and in-panel compression	Materials & Design	2017,133:154-168	SCI	Guangyong Sun, Xintao Huo,DongdongChen,QingLi

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162.	Experimental comparative study on combustion, performance and emissions characteristics of methanol, ethanol and butanol in a spark ignition engine	Applied Thermal Engineering	2017,115: 53–63	SCI	Yu Li , Jinke Gong , Yuanwang Deng , Wenhua Yuan b , Jun Fu , Bin Zhang
163.	Experimental investigation on combustion, performance, and emissions characteristics of butanol as an oxygenate in a spark ignition engine	ADVANCES IN MECHANICAL ENGINEERING	2017.9.(2):1—13	SCI	Y Li , J Gong , J Fu , B Zhang
164.	Experimental investigation on the effects of compression ratio on in-cylinder combustion process and performance improvement of liquefied methane engine	Applied Thermal Engineering	2017,133:1208-1218	SCI	Jianqin Fu, Jun Shu, Feng Zhou, Jingping Liu, Zhengxin Xu, Dongjian Zeng
165.	Experimental study for rubber pad forming process of AZ31 magnesium alloy sheets at warm temperature	International Journal of Advanced Manufacturing Technology	2017, 89(1-4):1079-1087	SCI	Xu, Junrui; Zhou, Yingqi; Cui, Junjia
166.	Experimental study of hot cracking at circular welding joints of 42CrMo steel	Optics and Laser Technology	2017,97: 327–334	SCI	YanZhang,GenyuChen,B inghuaChen,JinhaiWang, CongZhou
167.	Experimental study on the energy flow of a gasoline-powered vehicle under the NEDC of cold starting	Applied Thermal Engineering	2017,115:1173-1186	EI	Xiongbo Duan;Jianqin Fu;Zhizhong Zhang;Jingping Liu;Dan Zhao;Guohui Zhu
168.	Experimental study on the performance, combustion and emission characteristics of a high compression ratio heavy-duty spark-ignition engine fuelled with liquefied methane gas and hydrogen blend	Applied Thermal Engineering	2017,124:585-594	SCI	Jingping Liu , Xiongbo Duan , Zhipeng Yuan , Qi Liu , Qijun Tang
169.	Experiments and predictions on the performance of double-bump foil bearings: Effects of bearing loads and hEIght difference between bumps	ARCHIVE Proceedings of the Institution of Mechanical Engineers Part J Journal of Engineering Tribology	(vols 208-210) • March 2017	SCI	Kai Feng, Tao Zhang, Xueyuan Zhao

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170.	Extension of reanalysis method, analysis of heat conduction by using CA and IC methods	Engineering Analysis with Boundary Elements	2017,85:87-98	SCI	Hu Wang, , Hao Chonga, , Guangyao Li
171.	Fatigue and failure mechanism in carbon fiber rEInforced plastics/aluminum alloy single lap joint produced by electromagnetic riveting technique	Composites Science and Technology	2017, 152: 1-10	SCI	Hao Jiang, Guangyao Li, Xu Zhang, Junjia Cui
172.	Fatigue life assessment of electromagnetic riveted carbon fiber rEInforce plastic/aluminum alloy lap joints using WEIbull distribution	International Journal of Fatigue	2017,105:180–189	SCI	HaoJiang,TongLuo,GuangyaoLi,XuZhang,JunjiaCui
173.	Force transmissibility of a two-stage vibration isolation system with quasi-zero stiffness	NONLINEAR DYNAMICS	2017,87(1):633-646	SCI	Wang, Xinlong; Zhou, Jiaxi; Xu, Daolin
174.	Fractal labyrinthine acoustic metamaterial in planar lattices	International Journal of Solids and Structures		SCI	Liu, Jian; Li, Liping; Xia, Baizhan; Man, Xianfeng
175.	Freestanding flexible Ni12P5 in bacteria based carbon @ reduced graphene oxides paper for lithium-ion anode	Materials Letters	2017,207:153-156	SCI	Yuhua Yang, Jun Zhou, Zhi Xu, Ling Fan, Bingan Lu
176.	Generalized binary function projective synchronization of chaotic systems with unknown parameters	Optik - International Journal for Light and Electron Optics	2017, 137, 101-107	EI	ZhenboLi; JiashiTang
177.	Generation of grid multi-scroll chaotic attractors via hyperbolic tangent function series	OPTIK	2017,130:594-600	SCI	Chen, Zhong; Wen, Guilin; Zhou, Huaan
178.	Global sensitivity analysis for fiber rEInforced composite fiber path based on D-MORPH-HDMR algorithm	Structural and Multidisciplinary Optimization	2017, 56:697–712	SCI	Hu Wang; Liming Chen; Fan Ye; LEI Chen;
179.	High temperature mechanical behaviors of lightweight ceramic corrugated core sandwich panel	Composite Structures	2017,176:379-387	SCI	Kai WEI , Yong Peng , Zhaoliang Qu , Rujie He , Xiangmeng Cheng

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180.	High temperature mechanical properties of lightweight C/SiC composite pyramidal lattice core sandwich panel	Composite Structures	2017,178:467-475	SCI	Kai WEI , Yong Peng , Kaiyu Wang , Fan Yang , Su Cheng , Tao Zeng
181.	Homogenization-based interval analysis for structural-acoustic problem involving periodical composites and multi-scale uncertain-but-bounded parameters	Journal of the Acoustical Society of America	2017, 141(4): 2768-2778	SCI	Ning Chen, Dejie Yu, Baizhan Xia, Jian Liu, Zhengdong Ma
182.	Hybrid Evidence Theory-based Finite Element/Statistical Energy Analysis method for mid-frequency analysis of built-up systems with epistemic uncertainties	Mechanical Systems and Signal Processing	2017,93:204-224.	SCI	Shengwen Yin, Dejie Yu, Hui Yin, Hui Lü, Baizhan Xia
183.	Hybrid metamodel-based design space management method for expensive problems	ENGINEERING OPTIMIZATION	2017,49(9): 1573-1588	SCI	Gu, JC (Gu, Jichao); Li, GY (Li, Guangyao); Gan, NF (Gan, Nianfei)
184.	Identification of dynamic load for prosthetic structures	International journal for numerical methods in biomedical engineering	DOI:10.1002/cnm.2889	SCI	Dequan Zhang, Xu Han*, Zhongpu Zhang, Jie Liu, Chao Jiang, Nobuhiro Yoda, Xianghua Meng, Qing Li
185.	Identification of Voids in Structures Based on Level Set Method and FEM	World Scientific Publishing Co. Pte Ltd	2017 DOI:10.1142/S0219876218500159;	EI	Zhang, Lixuan ; Yang, Gang ; Hu, Dean
186.	Impact Response Comparison Between Parametric Human Models and Postmortem Human Subjects with a Wide Range of Obesity Levels	Obesity	2017 ,25(10):1786-1794	SCI	Zhang Kai, Cao Libo, Wang Yulong, Hwang Eunjoo, Reed Matthew P, Forman Jason, Hu Jingwen
187.	Improved Differential Evolution with Shrinking Space Technique for Constrained Optimization	CHINESE JOURNAL OF MECHANICAL ENGINEERING	2017,30(3):553-565	SCI	Chunming FU, Yadong XU, Chao JIANG, Xu HAN, Zhiliang HUANG
188.	Improved hydrogen desorption properties of MgH ₂ by graphite and NiF ₂ addition: experimental and first-principles investigations	JOURNAL OF MATERIALS SCIENCE	2017,52(14):8681-8689	SCI	Zhang J, Qu H., Yan, S, Yin L R, Yu X F, Zhou D W

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189.	Improvement of aircraft crashworthy performance using inversion failure strut system	AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY	2017,89(2):330-337	SCI	Ren, YR (Ren, Yiru); Xiang, JW (Xiang, Jinwu);
190.	Improvement of Progressive Damage Model to Predicting Crashworthy Composite Corrugated Plate	Springer Netherlands	2017, DOI: 10.1007/s10443-017-9610-z	EI	Yiru Ren; Hongyong Jiang; Wenyuan Ji; Hanyu Zhang; Jinwu Xiang; Fuh-Gwo Yuan;
191.	Influence of extrusion speed on the seam weld quality in the porthole die extrusion of AZ31 magnesium alloy tube	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	2017 :1-14	SCI	Liu Zhiwen, Li Luoxing, Yi Jie, Li Shikang, Wang Guan
192.	Influence of geometric characteristics of a diesel particulate filter on its behavior in equilibrium state	Applied Thermal Engineering	2017,123:61-73	SCI	Yuanwang Deng, Wenping Zheng, Jiaqiang E, Bin Zhang , Xiaohuan Zhao, Qingsong Zuo , Zhiqing Zhang, Dandan Han
193.	Influence of heat treatment conditions on bending characteristics of 6063 aluminum alloy sheets	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	2017,27(7):1498-1506	SCI	Liu ZW, Li LX ,Y J , Li SK,Wang ZH, Wang G
194.	Influence of laser beam incidence angle on laser lap welding quality of galvanized steels	Optics Communications	2017,402:147–158	SCI	LifangMEI,DongbingYan,GenyuChen,ZhenhuiWang,ShuixuanChen
195.	Influence of laser nanostructured diamond tools on the cutting behavior of silicon by molecular dynamics simulation	RSC ADVANCES	2017,7(25):15596-15612	SCI	Dai, Houfu; Chen, Genyu; Li, Shaobo
196.	Influence of methane content on a LNG heavy-duty engine with high compression ratio	Energy	2017,128:328-336	SCI	ZhengChen,FanZhang,Bo yaXu,QuanchangZhang,JingpingLiu

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197.	Influence of structural and operating factors on performance degradation of the diesel particulate filter based on composite regeneration	APPLIED THERMAL ENGINEERING	2017, 121: 838-852	SCI	Zhang Bin, E Jiaqiang, Gong Jinke, Yuan Wenhua, Zhao Xiaohuan, Hu Wenyu
198.	Instability phenomena in impact damper system: From quasi-periodic motion to period-three motion	Journal of Sound and Vibration	2017,391:170-179.	SCI	Yin S, Wen G, Shen Y, Xu HD
199.	Interval and subinterval homogenization-based method for determining the effective elastic properties of periodic microstructure with interval parameters	International Journal of Solids & Structures	2017, 106–107:174-182.	SCI	Chen N, Yu D, Xia B,
200.	Intervention criterion and control research for active front steering with consideration of road adhesion	Vehicle System Dynamics	DOI: 10.1080/00423114.2017.1395465	SCI	Xiaojian Wu, Bing Zhou, Guilin Wen, LefEI Long & Qingjia Cui
201.	Investigation into nanoscratching mechanical response of AlCrCuFeNi high-entropy alloys using atomic simulations	Applied Surface Science	2017, 416: 470-481	SCI	Wang Z, Li J, Fang Q H
202.	Investigation of dual acoustic and optical asymmetric propagation in two-dimensional phoxonic crystals with grating	OPTICAL MATERIALS EXPRESS	2017,7(5)	SCI	JIU-JIU CHEN*; SHAO-YONG HUO
203.	Investigation of subsurface damage considering the abrasive particle rotation in brittle material grinding	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	2017,90(9-12):2461-2476	SCI	Junkui Quan, Qihong Fang, Jianbin Chen, Chao Xie, Youwen Liu, Pihua Wen
204.	Investigation on a rotating FGPM circular disk under a coupled hygrothermal field	Applied Mathematical Modelling	2017, 46:28-47	SCI	Dai H L, Zheng Z Q, Dai T.
205.	Investigation on the ballistic behavior of mosaic SiC/UHMWPE composite armor systems	Ceramics Internation	2017, 43(13):10368-10376	SCI	Hu, Dean; Zhang, Youmin; Shen, Zhiwei;
206.	Investigation on the influence of damage to springback of U-shape HSLA steel plates	Journal of Alloys and Compounds	2017,708: 575-586	SCI	Hong-Liang Dai, Hao-Jie Jiang, Ting Dai, et al.

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207.	Investigation on the interfacial mechanical properties of hybrid graphene-carbon nanotube/polymer nanocomposites	Carbon	2017,115:694-700	SCI	Feng Liu, Ning Hu, Huiming Ning, Satoshi Atobe, Cheng Yan, Yaolu Liu, Liangke Wu, Xuyang Liu, Shaoyun Fu, Chaohe Xu, Yuanqing Li, Jianyu Zhang, Yu Wang, WEIdong Li
208.	Investigations on the temperature distribution of the diesel particulate filter in the thermal regeneration process and its field synergy analysis	Applied thermal engineering	2017,123:92-102	SCI	Deng YW, Cui, JH, E, JQ, Zhang B, Zhao XH, Zhang ZQ, Han DD
209.	Kinematic and thermal characteristics of Lüders and Portevin-Le Châtelier bands in a medium Mn transformation-induced plasticity steel	Acta Materialia	2017, 124:17-29.	SCI	Wang X G, Wang L, Huang M X.
210.	Large time steps in the explicit formulation of transient heat transfer	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	2017,108:2040-2052	SCI	Li, Eric, He, Z. C., Tang, Qian, Zhang, G. Y.
211.	Laves phase control of Inconel 718 alloy using quasi-continuous-wave laser additive manufacturing	Materials & Design	2017, 122:330-339.	SCI	Xiao H, Li S, Han X, et al.
212.	Linkages among fiber content, porosity and local aggregation in fiber-reinforced composites, and the effect on effective properties	JOURNAL OF MATERIALS SCIENCE	2017 ,52(20):12486-12505	SCI	Yan-Ni Rao, Hong-Liang Dai, Ting Dai, and Yang Yang
213.	Load bearing and failure characteristics of perforated square CFRP tubes under axial crushing	COMPOSITE STRUCTURES	2017,160:23-35	SCI	Liu, Qiang; Ma, Jingbo; Xu, Xiyu
214.	Local resonator with high-static-low-dynamic stiffness for lowering band gaps of flexural wave in beams	JOURNAL OF APPLIED PHYSICS	2017,121(4)	SCI	Zhou, Jiayi; Wang, Kai; Xu, Daolin

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215.	Low-velocity impact response of composite sandwich structures: Modelling and experiment	Composite Structures	2017,168:322-334	SCI	Yuan Chen, Shujuan Hou, Kunkun Fu, Xu Han, Lin Ye
216.	Maximizing spatial decay of evanescent waves in phononic crystals by topology optimization	Computers and Structures	2017,(182):430–447	SCI	Yafeng Chen, Xiaodong Huang, Guangyong Sun, XiaolEI Yan, Guangyao Li
217.	Mechanical properties and fatigue behavior of electromagnetic riveted lap joints influenced by shear loading	journal of manufacturing processes	2017,26:226-239	SCI	Guangyao Li, Hao Jiang, Xu Zhang, Junjia Cui
218.	Mechanisms of subsurface damage and material removal during high speed grinding processes in Ni/Cumultilayers using amolecular dynamics study	RSC Advances	2017,7(67):42047-42055	SCI	QiHong Fang, Qiong Wang, Jia Li, Xin Zeng and YouWen Liu
219.	Melt-pool motion, temperature variation and dendritic morphology of Inconel 718 during pulsed- and continuous-wave laser additive manufacturing: A comparative study	Materials & Design	2017, 119:351-360.	SCI	Li S, Xiao H, Liu K, et al.
220.	Meso-Scale Progressive Damage Behavior Characterization of Triaxial Braided Composites under Quasi-Static Tensile Load	Appl Compos Mater		SCI	Y Ren , S Zhang , H Jiang , J Xiang
221.	Micromechanics-based thermo-viscoelastic properties prediction of fiber rEInforced polymers with graded interphases and slightly weakened interfaces	Composite Structures	2017, 168: 440-455	SCI	Yan-Ni Rao, Hong-Liang Dai.
222.	Microscopic Interference Full-Color Printing Using Grayscale-Patterned Fabry-Perot Resonance Cavities	Advanced Optical Materials	2017,5(10):1700029	SCI	ZhengmEI Yang, Yiqin Chen, Yanming Zhou, Yasi Wang, Peng Dai, Xupeng Zhu, Huigao Duan

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223.	Microstructural design for 2D photonic crystals with large polarization-independent band gaps	Materials Letters	2017,207:176-178	SCI	FEI Meng, Shuo Li, Yang Fan Li, Baohua Jia, Xiaodong Huang
224.	Microstructural mechanism in adiabatic shear bands of Al-Cu alloy bars using electromagnetic impact upsetting	MATERIALS LETTERS	2017,194:62-65	SCI	Zhang Xu, Cui Junjia. Li Guangyao
225.	Microstructural topology optimization of structural-acoustic coupled systems for minimizing sound pressure level	Structural and Multidisciplinary Optimization	DOI:10.1007/s00158-017-1718-0	SCI	Ning Chen, Dejie Yu, Baizhan Xia, Jian Liu, Zhengdong Ma
226.	Microstructure investigations on 2A10 aluminum alloy bars subjected to electromagnetic impact upsetting	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	2017,702:142-152	SCI	Xu Zhang, Junjia Cuib, Junrui Xu, Guangyao Li
227.	Microstructure, mechanical properties, and electronic simulations of steel_aluminum alloy joint during deep penetration laser welding	International Journal of Advanced Manufacturing Technology	2017,89(1-4):377-387	SCI	Dianwu Zhou , Shaohua Xu , Lijuan Zhang , Yan Peng , Jinshui Liu
228.	Misfit dislocations induced by lithium-ion diffusion in a thin film anode	Journal of Solid State Electrochemistry	2017,21(2):419-427	SCI	Xiangdong Li,Qihong Fang,Hong Wu,Jia Li,Youwen Liu,Pihua Wen
229.	Modeling for CFRP structures subjected to quasi-static crushing	COMPOSITE STRUCTURES	2017,184:41-55	SCI	Guohua Zhu , Guangyong Sun,Guangyao Li, Aiguo Cheng , Qing Li
230.	Modelling and experimental study on the influence of surface grooves on near-field acoustic levitation	Tribology International	2017,116:38–146	SCI	WenjunLi,YuanyuanLiu, KaiFeng
231.	Multi-fault diagnosis of gearbox based on resonance-based signal sparse decomposition and comb filter	MEASUREMENT	2017,103:361-369	SCI	Zhang, Dingcheng, Yu, Dejie

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232.	Multi-low-frequency flexural wave attenuation in Euler–Bernoulli beams using local resonators containing negative-stiffness mechanisms	Physics Letters A	2017,381(37):3141-3148	SCI	Jiaxi Zhou , Kai Wang , Daolin Xu , Huajiang Ouyang
233.	Multi-objective and multi-case reliability-based design optimization for tailor rolled blank (TRB) structures	Structural and Multidisciplinary Optimization	2017,55(5):1899-1916	SCI	Sun, Guangyong; Zhang, Huile; Fang, Janguang; Li, Guangyao; Li, Qing
234.	Multi-objective optimization of improved magnetic abrasive finishing of multi-curved surfaces made of SUS202 material	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	2017,88:381-391	SCI	NhatTan Nguyen; TrongNhan Tran; Yin, ShaoHui
235.	Multiobjective reliability-based optimization for crashworthy structures coupled with metal forming process	Structural and Multidisciplinary Optimization	2017,56(6) 1571-1587	SCI	Guangyong Sun,Huile Zhang,Ruoyu ,WangXiao jiang, LvQing Li
236.	Multi-objective robust design optimization of a novel NPR energy absorption structure for vehicles front ends to enhance pedestrian lower leg protection	Structural and Multidisciplinary Optimization	2017,56:1215–1224	SCI	Guan Zhou, Wanzhong Zhao, Qiqi Li, Wenquan Shen, Chunyan Wang
237.	Multi-objective system reliability-based optimization method for design of a fully parametric concept car body	ENGINEERING OPTIMIZATION	2017,49(7):1247-1263	SCI	Duan, Libin; Li, Guangyao; Cheng, Aiguo;Sun, Guangyong;Song, Kai
238.	Multi-physics analysis of electromagnetic forming process using an edge-based smoothed finite element method	International Journal of Mechanical Sciences	2017, 134, 244-252	SCI	SheLi;XiangyangCui;GuangyaoLiab
239.	Multi-resonant piezoelectric shunting induced by digital controllers for subwavelength elastic wave attenuation in smart metamaterial	Smart Materials and Structures	2017,26(2)	SCI	Gang Wang, Jianqing Cheng, Jingwei Chen, Yunze He
240.	Multivariate Bayesian control chart with estimated parameters	International Journal of Industrial and Systems Engineering	2017,27(1):107-121	EI	Chao Tan; Jian Liu; Xing Zhang

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241.	Nondeterministic wave-based methods for low- and mid-frequency response analysis of acoustic field with limited information	Mechanical Systems and Signal Processing	2017,84:169-183	SCI	Baizhan Xia, HuiYin, DejieYu
242.	Nonlinear analysis of bending, thermal buckling and post-buckling for functionally graded tubes by using a refined beam theory	Composite Structures	2017,165: 74–82	SCI	Gui-Lin She, Fuh-Gwo Yuana, Yi-Ru Ren
243.	Nonlinear dynamic responses of fiber-metal laminated beam subjected to moving harmonic loads resting on tensionless elastic foundation	Composites Part B	2017,131 :253-259	SCI	Yang Chen , Yiming Fu , Jun Zhong, Chang Tao
244.	Nonlinear dynamic responses of functionally graded tubes subjected to moving load based on a refined beam model	Nonlinear Dynamics	2017, 88(2):1441-1452.	SCI	Chen Y, Fu Y, Zhong J, et al.
245.	Non-Newtonian thermal elastohydrodynamic lubrication in point contact for a crowned herringbone gear drive	Tribology International	2017,116:470-181	SCI	Changjiang Zhou, Lijun Pan, Jing Xu, Xu Han
246.	Normal and tangential oil film stiffness of modified spur gear with non-Newtonian elastohydrodynamic lubrication	Tribology International	2017, 109:319-327.	SCI	Zhou C, Xiao Z, Chen S, et al.
247.	Nucleation and growth mechanisms of nanoscale deformation twins in hexagonal-close-packed metal magnesium	Mechanics of Materials	2017,109:26–33	SCI	H. Feng, Q.H. Fang, B. Liu, Y. Liu, Y.W. Liu, P.H. Wen
248.	Numerical comparison of removal and deposition for fully-distributed particles in central- and split-type air-conditioning rooms	Building and Environment	2017,112:17-28	SCI	Chen Zhuang; Gang Yang; Ting Long; Dean Hu
249.	Numerical investigation on links between the stacking sequence and energy absorption characteristics of fabric and unidirectional composite sinusoidal plate	Composite Structures	2017, 171:382-402	SCI	Jiang H, Ren Y, Gao BH, Xiang, JW
250.	Numerical investigation on the combustion characteristics of non-premixed hydrogen-air in a novel micro-combustor	Applied Thermal Engineering	2017, 110:665–677	SCI	Jiaqiang E, Qingguo Peng, Xiaohuan Zhao, Wer Zuo, Zhiqing Zhang, Minhhicu Plam,

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251.	Numerical investigations on a comparison between counterflow and coflow double-channel micro combustors for micro-thermophotovoltaic system	Energy	2017,122: 408-419	SCI	WEI Zuo, Jiaqiang E, Qingguo Peng, Xiaohuan Zhao, Zhiqing Zhang
252.	Numerical investigations on combustion characteristics of H ₂ air premixed combustion in a micro elliptical tube combustor	Energy	2017,126:1-12	SCI	WEI zuo, Jia qiang E, Wenyu Hu, Yu Jin, DanDan Han
253.	Numerical investigations on thermal performance of a micro-cylindrical combustor with gradually reduced wall thickness	Applied Thermal Engineering	2017, 113, 1011-1020	SCI	WEIZuoJiaqiangE QingguoPeng XiaohuanZhao ZhiqingZhang
254.	Numerical investigations on thermal performance of double-layer fourchannel micro combustors for micro-thermophotovoltaic system	Energy Conversion and Management	2017,150:343-355	SCI	WEI Zuo,Jiaqiang E, Dandan Han, Yu Jin
255.	Numerical study and performance correlation development on counter-flow indirect evaporative air coolers	International Journal of Heat and Mass Transfer	2017,115:826–830	SCI	Yangda,WanChengqinRen,ZhaoWang,YangYang, LEIYu
256.	On buckling and postbuckling behavior of nanotubes	International Journal of Engineering Science	121(2017),130-142	SCI	Gui-Lin She,Fuh-Gwo Yuan,Yi-Ru Ren, Wan-Shen Xiao
257.	On crushing characteristics of different configurations of metal-composites hybrid tubes	Composite Structures	2017,175: 58–69	SCI	Guohua Zhu , Guangyong Sun , Qiang Liu , Guangyao Li , Qing Li
258.	On functionally-graded crashworthy shape of conical structures for multiple load cases	Journal of Mechanical Science and Technology	2017,31(6):2861-2873	SCI	Pang, Tong; Li, Yinfeng; Kang, Hehe;
259.	Optimal Acquisition and Production Policy for End- of- Life Engineering Machinery Recovering in a Joint Manufacturing Remanufacturing System under Uncertainties in Procurement and Demand	SUSTAINABILITY	2017, 9 (3)	SCI	Haolan Liao, Qianwang Deng *, Yuanrui Wang

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260.	Optimal microstructures of elastoplastic cellular materials under various macroscopic strains	Mechanics of Materials	2017	SCI	WEI Chen , Liang Xia , Jie Yang , Xiaodong Huang
261.	Optimization of hybrid laser arc welding of 42CrMo steel to suppress pore formation	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2017,123(6):389-398	SCI	Yan Zhang, Genyu Chen, Shuai Mao, Cong Zhou, FEI Chen
262.	Optimization of uncertain acoustic metamaterial with Helmholtz resonators based on interval model	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	2017 ,60(3) :385-398	SCI	XIA BaiZhan QIN Yuan CHEN Ning Yu DeJie JIANG Chao
263.	Parameter optimization for a modified MEWMA control chart based on a PSO algorithm	COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION	2017,46(5):4140-4153	SCI	Liu, Jian; Tan, Chao; Zeng, Chao
264.	Parameter-identification investigations on the hysteretic Preisach model improved by the fuzzy least square support vector machine based on adaptive variable chaos immune algorithm	Journal of Low Frequency Noise, Vibration and Active Control	2017,36(3):227-242	SCI	E Jiaqiang, Cheng Qian, Hao Zhu, Qingguo Peng, WEI Zuo, Guanlin Liu
265.	Parameterization of criss-cross configurations for multiobjective crashworthiness optimization	International journal of mechanical sciences	2017, 124: 145-157	SCI	Sun Guangyong, Pang Tong, Fang Jianguang, Li Guangyao*, Li Qing
266.	Phase congruency melt pool edge extraction for laser additive manufacturing	Journal of Materials Processing Technology	2017,250:261–269	SCI	LijunSong,FanghuaWang ,SimengLi,XuHan
267.	Pores formation in laser-MAG welding of 42CrMo steel	JOURNAL OF MATERIALS PROCESSING TECHNOLOGY	2017,245:309-317	SCI	Yan Zhang, Genyu Chen, Cong Zhou, Yi Jiang, PEIxin Zhong, Shichun Li
268.	Porous ultrathin carbon nanobubbles formed carbon nanofiber webs for high-performance flexible supercapacitors	Journal of Materials Chemistry A	2017,5(28):14801-14810	SCI	LEI Wang, Guanhua Zhang, et al.

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269.	Potassium-Based Dual Ion Battery with Dual-Graphite Electrode.	Small	2017, 13(30)	SCI	Ling Fan,Qian Liu,Suhua Chen,Kairui Lin,Zhi Xu,Bingan Lu
270.	Power and fuel economy optimizations of gasoline engines using hydraulic variable valve actuation system	Applied Energy	2017, 206: 577-593	SCI	Yangtao Li, Amir Khajepour, Cécile Devaud, Kaimin Liu
271.	Probabilistic crack trajectory analysis by a dimension reduction method	Fatigue and Fracture of Engineering Materials and Structures	2017,40(1):12-26	SCI	Long, XY; Jiang, C.; Han, X.; Gao, W.; Wang, X.G.; Hou, M.Z
272.	Probabilistic risk assessment for pedestrian vehicle collision considering uncertainties of pedestrian mobility	Traffic injury prevention	2017,18(6)	SCI	Huang, Zhi; Liu, Xiangyi; Song, Xiaolin; He, Yin
273.	Probability-interval hybrid uncertainty analysis for structures with both aleatory and epistemic uncertainties: a review[J]	Structural and Multidisciplinary Optimization		SCI	C. Jiang1 & J. Zheng1 & X. Han1
274.	Pseudo-solid-solution CuCo2O4/C nanofibers as excellent anodes for lithium ion batteries	Electrochimica Acta	2017, 247, 692-700	SCI	HangZhangab1ZhiyongTangac1KangZhanga1LEI WangacHuiminShiacGuanhuaZhangaHuigaoDuan a
275.	Quantitative research on thermodynamic process and efficiency of a LNG heavy-duty engine with high compression ratio and hydrogen enrichment	Applied Thermal Engineering	2017,125:1103-1113	SCI	Zheng Chen , Boya Xu , Fan Zhang , Jingping Liu
276.	Quasilossless acoustic transmission in an arbitrary pathway of a network	PHYSICAL REVIEW B	2017.95(5)	SCI	Hongqing Dai, Tingting Liu, Baizhan Xia, and Dejie Yu
277.	Real-time composition monitoring using support vector regression of laser-induced plasma for laser additive manufacturing	IEEE Transactions on Industrial Electronics	2017,64(1): 633-642	SCI	Lijun Song, Wenkang Huang, Xu Han, Jyoti Mazumder
278.	Reanalysis-based space mapping method, an alternative optimization way for expensive simulation-based problems	Structural and Multidisciplinary Optimization	2017,55(6):2143-2157	SCI	Wang, Hu; Fan, Tingxiang; Li, Guangyao

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280.	Reliability-based multidisciplinary design optimization using incremental shifting vector strategy and its application in electronic product design	Acta Mechanica Sinica/Lixue Xuebao	2017,DOI:10.1007/s10409-017-0702-7	EI	Huang, Z.L.;Zhou, Y.S.;Jiang, C.;Zheng, J.;Han, X.
281.	Reliable optimisation design of vehicle structure crashworthiness under multiple impact cases	International Journal of Crashworthiness	2017, 22(1): 26-37.	SCI	Gu, Xianguang Dai, Jianhua Huang,Xiaodong Li, Guangyao
282.	Research on nonlinear bending behaviors of FGM infinite cylindrical shallow shells resting on elastic foundations in thermal environments	Composite Structures	2017,170:111-121	SCI	Gui-Lin She, Fuh-Gwo Yuan, Yi-Ru Ren
283.	Research on the progressive damage model and trigger geometry of composite waved beam to improve crashworthiness	Thin-Walled Structures	2017,119:531-543	SCI	Hongyong Jiang, Yiru Ren, Binhua Gao
284.	Rolling bearing fault detection and diagnosis based on composite multiscale fuzzy entropy and ensemble support vector machines	Mechanical Systems and Signal Processing	2017,85: 746-759	SCI	Zheng, Jinde Pan, Haiyang Cheng, Junsheng
285.	Safer passenger car front shapes for pedestrians: A computational approach to reduce overall pedestrian injury risk in realistic impact scenarios.	Accident Analysis & Prevention,	2017, 100:97-110	SCI	Li G, Yang J, Simms C.
286.	Sandwich panels with layered graded aluminum honeycomb cores under blast loading	COMPOSITE STRUCTURES	2017,173:242-254	SCI	Li, SQ; Li, X; Wang, ZH; Wu, GY; Lu, GX; Zhao, LM
287.	Sensitive Surface-Enhanced Raman Scattering Detection Using On-Demand Postassembled Particle-on-Film Structure	applied materials & interfaces	2017,9(36):31102-31110	SCI	Wang Xuejiao, Zhu Xupeng, ChenYiqin, ZhengMengjie, XiangQ uan, TangZhixiang, ZhangGuanhua, DuanHuigao

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288.	Sensitivity analysis of parametric errors on the performance of a torsion quasi-zero-stiffness vibration isolator	International Journal of Mechanical Sciences	2017,134:336-346	EI	Kai Wang, Jiayi Zhou , Daolin Xu
289.	Sheet metal forming optimization by using surrogate modeling techniques	CHINESE JOURNAL OF MECHANICAL ENGINEERING	2017,30(1):22-36	SCI	Wang Hu; Ye Fan; Chen LEI
290.	Simultaneous assessment of Lagrangian strain and temperature fields by improved IR-DIC strategy	Optics and Lasers in Engineering	2017,94 :17-26	SCI	X.G. Wang, C.H. Liu, C. Jiang
291.	Simultaneous topological Bragg and locally resonant edge modes of shear horizontal guided wave in one-dimensional structure	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2017,50(27)	SCI	HongboHuang, JiujiuChen and ShaoyongHuo
292.	Smoothed finite element methods (S-FEMs) with polynomial pressure projection (P3) for incompressible solids	Engineering Analysis with Boundary Elements	2017, 84: 253-269	SCI	Chen Jiang, Xu Han, G.R. Liu, Zhi-Qian Zhang, Gang Yang, Guang-Jun Gao
293.	Smoothed particle hydrodynamics simulation of dual-scale flow during resin transfer molding	JOURNAL OF REINFORCED PLASTICS AND COMPOSITES	2017,36(19),1431-1438	SCI	Gang Lu,, Liping He1 , Dachuan Chen,Wenjun Li
294.	Soft Carbon as Anode for High-Performance Sodium-Based Dual Ion Full Battery	Advanced energy Materials	2017,7(14): 1602778	SCI	Ling Fan, Qian Liu, Suhua Chen, Zhi Xu, Bingan Lu
295.	Split-orientation-modulated plasmon coupling in disk/sector dimers	Journal of Applied Physics	2017,121(21)	SCI	Xupeng Zhu, Yiqin Chen, Huimin Shi, Shi Zhang, Quanhui Liu, Huigao Duan
296.	Stability and accuracy improvement for explicit formulation of time domain acoustic problems	Engineering Analysis with Boundary Elements	2017,83:217-228	SCI	Eric Li , ZC He
297.	Static and dynamic crushing responses of CFRP sandwich panels filled with different rEInforced materials	Materials and Design	2017,117:396–408	SCI	Yanqin Zhang , Zhijian Zong , Qiang Liu, Jingbo Ma , Yinghan Wu , Qing Li

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299.	Structural design and global sensitivity analysis of the composite B-pillar with ply drop-off	STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION	2017(1).	SCI	Liu Q, Li Y, Cao L, et al.
300.	Study on average Nusselt and Sherwood numbers in vertical plate channels with falling water film evaporation	International Journal of Heat and Mass Transfer	2017,110:783–788	SCI	Yangda Wan, Chengqin Ren, , Yang Yang, Li Xing
301.	Study on the 3D Green's functions of the fluid and piezoelectric bimerials	Theoretical and Applied Mechanics Letters	2017, 7:105-116	EI	Pengfei Hou , Ke Yuan, Bingjie Chen
302.	Study on the burning loss of magnesium in fiber laser welding of an Al-Mg alloy by optical emission spectroscopy	International Journal of Advanced Manufacturing Technology	2017,88(5):1373-1381	SCI	Zhou, Li; Zhang, Mingjun ; Jin, Xiangzhong; Zhang, Honggui; Mao, Cong
303.	Study on the interactions between the coatings of electric conductor or dielectric media and piezoelectric substrate in the piezoelectric functional devices	AIP ADVANCES	2017,7(9)	SCI	Peng-FEI Hou, Yang Zhang, Bing-Jie Chen
304.	Sub-diffraction-limit localization imaging of a plasmonic nanoparticle pair with wavelength-resolved dark-field microscopy	NANOSCALE	2017,9(25):8747-8755	SCI	WEI L, Ma YH, Zhu XP, Xu JH, Wang YX , Duan HG, Xiao LH
305.	Support Vector Machine Classification of Drunk Driving Behaviour	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	2017, 14(1): 108	SCI	Chen, Huiqin; Chen, LEI

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306.	Surrogate-model-based reliability method for structural systems with dependent truncated random variables	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART O- JOURNAL OF RISK AND RELIABILITY	2017,231(3):265-274	SCI	Ning Cong Xiao, Libin Duan, Zhangchun Tang
307.	Tailorable thermal expansion of lightweight and robust dual-constituent triangular lattice material	Journal of Applied Mechanics	2017,84(10)	SCI	WEI Kai ,Peng Yong,Wen WEIbin,PEI Yongmao,Fang Daining
308.	Temperature dependence of Lüders strain and its correlation with martensitic transformation in a medium Mn transformation-induced plasticity steel	Journal of Iron and Steel Research, International	2017, 24, 1073-1077	EI	Xiao-gangWang; Ming-xinHuang
309.	Texture and Tensile Properties of Zr-Sn-Nb Alloy	Rare Metal Materials and Engineering	2017,463(3):687-692	SCI	Zhang Fuquan, Ma Yongfu, Zhou Dianwu
310.	The artificial tree (AT) algorithm	Engineering Applications of Artificial Intelligence	2017,65:99-110	SCI	Q.Q. Li , Kai Song , Z.C. He ,Eric Li, A.G. Cheng , Tao Chen
311.	The influence of passenger car front shape on pedestrian injury risk observed from German in-depth accident data	Accident Analysis & Prevention	2017,101: 11–21	SCI	Guibing Li, Mathew Lyons, Bingyu Wang, Jikuang Yange , Dietmar Otte, Ciaran Simms
312.	The interface control of butt joints in laser braze welding of aluminium-steel with coaxial powder feeding	JOURNAL OF MATERIALS PROCESSING TECHNOLOGY	2017,246:313-320	SCI	Zhang, Yi, Guo Guanlin, Li Funan, Wang Gang, WEI Haiying
313.	The performance prediction and optimization of the fiber-reinforced composite structure with uncertain parameters	COMPOSITE STRUCTURES	2017, 164:207-218	SCI	Hu, X. B.; Cui, X. Y.; Liang, Z. M

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314.	The prediction of multiaxial fatigue probabilistic stress-life curve by using fuzzy theory	AI EDAM-ARTIFICIAL INTELLIGENCE FOR ENGINEERING DESIGN ANALYSIS AND MANUFACTURING	2017,31(2):199-207	SCI	Li, Bochuan, Jiang, Chao, Han, Xu, Li, Yuan
315.	The Resource Benefits Evaluation Model on Remanufacturing Processes of End-of-Life Construction Machinery under the Uncertainty in Recycling Price	Sustainability,	2017, 9(2)	SCI	Deng Q, Liao H, Xu B,
316.	The spiral-labyrinthine acoustic metamaterial by coiling up space	Physics Letters A	2017,381:3112-3118	SCI	Chenming Liu, Baizhan Xia, Dejie Yu
317.	The stable node-based smoothed finite element method for analyzing acoustic radiation problems	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	2017,80:142-151	SCI	Hu, X (Hu, Xin); Cui, XY (Cui, Xiangyang); Zhang, QY (Zhang, Qunyi); Wang, G (Wang, Gang); Li, GY (Li, Guangyao)
318.	Theoretical design, manufacturing, and numerical prediction of a novel multileaf foil journal gas bearing for PowerMEMs	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J- JOURNAL OF ENGINEERING TRIBOLOGY	2017:208-210	SCI	Kai Feng, Min Zhang, Wen-jun Li, Peng jin, Xing-gang Wang
319.	Thermal buckling and post-buckling analysis of functionally graded beams based on a general higher-order shear deformation theory	Applied Mathematical Modelling	2017,47:340-357	SCI	Gui-Lin She, Fuh-Gwo Yuan, Yi-Ru Ren
320.	Thermal buckling and post-buckling analysis of piezoelectric FGM beams based on high-order shear deformation theory	Journal of Thermal Stresses	2017,40(6): 783-797	SCI	Gui-Lin She, Xin Shu, Yi-Ru Ren

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322.	Thermodynamic process and performance of high n-butanol/gasoline blends fired in a GDI production engine running wide-open throttle (WOT)	Energy Conversion and Management	2017,152:57-64	SCI	Zheng Chen, Yanqun Zhang, Xiaotai WEI, Quanchang Zhang, Zhenkuo Wu, Jingping Liu
323.	Thermohydrodynamic Analysis and Thermal Management of Spherical Spiral Groove Gas Bearings	Tribology Transactions	2017,60(4):629-644	SCI	Kai Feng; Wenjun Li; Zhihong Deng; Min Zhang
324.	Thermohydrodynamic analysis of micro spherical spiral groove gas bearings under slip flow and surface roughness coupling effect	MICROSYSTEM TECHNOLOGIES -MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS	2017,23(6):1779-1792	SCI	Kai Feng, Wen Jun Li, Shen Bing Wu, Wan Hui Liu
325.	Thermoviscoelastic behavior of a short fiber-rEInforced polymer hollow cylinder accounting for porosity	JOURNAL OF COMPOSITE MATERIALS	2017,51(19):2779-2791	SCI	Hong-Liang Dai, Ting Daiand WEI-Feng Luo
326.	Thermoviscoelastic dynamic response for a rectangular steel plate under laser processing	International Journal of Heat and Mass Transfer	2017,105:24-33	SCI	Dai, Hong-Liang Zheng, Zhen-Qiu; Xu, WEI-Li; Liu, Hai-Bo; Luo, Ai-Hui
327.	Three-dimensional donut-like gold nanorings with multiple hot spots for surface-enhanced raman spectroscopy	NANOTECHNOLOGY	2017,28(4):	SCI	Zheng, Mengjie; Zhu, Xupeng; Chen, Yiqin
328.	Three-dimensional smoothed particle hydrodynamics simulation for injection molding flow of short fiber-rEInforced polymer composites	MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING	2017,25(5):	SCI	He, Liping, Lu, Gang, Chen, Dachuan, Li, Wenjun, Lu, Chunsheng

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330.	To avoid unpractical optimal design without support	structural and multidisciplinary optimization	2017,56(6): 1589-1595	SCI	Jie Liu Guilin Wen Xiaodong uang
331.	Topological design of phononic band gap crystals with sixfold symmetric hexagonal lattice	Computational Materials Science	2017, 139: 97-105	SCI	Zhaoxuan Zhang, Yang Fan Li, FEI Meng, Xiaodong Huang
332.	Topological design of phononic crystals for unidirectional acoustic transmission	Journal of Sound and Vibration	2017,410:103-123	SCI	Yafeng Chen, FEI Meng, Guangyong Sun, Guangyao Li,Xiaodong Huang
333.	Topological design of structures under dynamic periodic loads	Engineering Structures	2017,142:128-136	SCI	Liu Baoshou, Huang Xiaodong, Huang Changfu, Sun Guangyong, Yan XiaolEI, Li Guangyao
334.	Topological valley transport of plate-mode waves in a homogenous thin plate with periodic stubbed surface	AIP ADVANCES	2017,7 (11) : 115215	SCI	Jiu-Jiu Chen, Shao-Yong Huo, Zhi-Guo Geng, Hong-Bo Huang, and Xue-Feng Zhu
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336.	Twinning-governed plastic deformation in a thin film of body-centred cubic nanocrystalline ternary alloys at low temperature	Journal of Alloys and Compounds	2017,727:69-79	SCI	Jia Li, Qihong Fang , Bin Liu , Yong Liu , Chao Jiang
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339.	Uncertainty quantification of squeal instability under two fuzzy-interval cases	FUZZY SETS AND SYSTEMS	2017,328,70-82	SCI	Lu Hui, Shangguan Wen-Bin, Yu Dejie
340.	Uniform Gold-Nanoparticle-Decorated {001}-Faceted Anatase TiO ₂ Nanosheets for Enhanced Solar-Light Photocatalytic Reactions	ACS Applied Materials & Interfaces	2017,9(42):36907-36916	SCI	Huimin Shi, Shi Zhang, et al.
341.	Variable stiffness composite material design by using support vector regression assisted efficient global optimization method	Structural and Multidisciplinary Optimization	2017, 56(1):203-219	SCI	Ye F, Wang H, Li G.
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343.	Vibration attenuation of high dimensional quasi-zero stiffness floating raft system	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	2017,126:186-195	SCI	Yingli Li, Daolin Xu
344.	Volume or inside heating thermography using electromagnetic excitation for advanced composite materials	International Journal of Thermal Sciences	2017, 111: 41-49	EI	He, Yunze;Yang, Ruizhen;Zhang, Hong;Zhou, Deqiang;Wang, Gang
345.	Volumetric locking issue with uncertainty in the design of locally resonant acoustic metamaterials	COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING	2017,324:128-148	SCI	Eric Li ,Z.C.He ,J.Y. Hu , X.Y. Long
346.	“情绪罗盘”:一种产品造型情绪设计方法	装饰	2017 (1) :122-123	CSSCI/权威	周文治, 赵江洪

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348.	6013-T4 铝合金在不同温度和应变速率下的动态力学行	机械工程材料	2017 年 7,85-90,97	其他	冯擎峰 姚再起 叶拓 朱凌 王震虎 郭鹏程 李落星
349.	AEO 解调方法及在滚动轴承故障诊断中的应用	噪声与振动控制	2017, 37(3) :151-155	其他	程军圣,向天尧,杨兴凯, 杨 宇
350.	CFRP 修复裂纹钢板的疲劳试验及参数研究	机械强度	2017 年第 4 期 804-809,	其他	伍希志 程军圣 杨宇 黄毅
351.	GS-ASTFA 方法及其在滚动轴承寿命预测中的应用	振动与冲击	2017,36(11):14-19	EI	欧龙辉,彭晓燕,杨宇,程 军圣
352.	RE(RE=Y,La,Ce,Lu)对 TiAl 性能影响的计算研究(没有附件)	热加工工艺	2017 年 2,42-46,	其他	袁江 魏红伟 欧学卫 韦肖飞
353.	SUV 前端造型对行人下肢损伤影响的定量研究	汽车工程	2017,39(4):424-431	权威/EI	张冠军,秦勤,陈峥,曹立 波,
354.	V 形凹面青铜金刚石砂轮脉冲激光修整试验研究	应用激光	2017,37(4) :557-562	其他	刘健平,陈根余,周聪[,王 彦懿,周旭,彭檐波,熊彪,
355.	W 合金化对 RuAl 抗氧化性能影响的计算研究(没有附件)	稀有金属材料与工程	2017 年 8,2185-2189	其他	袁江 周怿武 魏红伟 陈益林 韦肖飞
356.	Zr-Sn-Nb 合金第二相粒子结构特征及显微组织演变	功能材料	2017 , 48(7) :7050-7056	EI	周怿武,刘金水,毛建中, 宋建力
357.	Zr-Sn-Nb 合金织构与力学性能	稀有金属材料与工程	2017,46(03):687-692	EI	张福全,马永富,周怿武, 刘金水,宋建力
358.	Φ6 mm-Q235 钢铆钉电磁铆接工艺试验	精密成形工程	2017(1) :76-80	其他	黄宗斌,韦超忠,徐志丹, 崔俊佳,李光耀,张旭
359.	爆炸载荷下层级蜂窝铝夹芯板的动力响应分析	华南理工大学学报(自然科学版)	2017 , 45(5) :141-146	EI	孙光永,张敬涛,李世强, 李光耀
360.	箔片气体轴承静态特性和温度特性实验	航空动力学报	2017,32(06):1394-1399	EI	冯凯,邓志洪,赵雪源,李 文俊,郭志阳
361.	差厚拼焊板冲压仿真模型的构建研究	热加工工艺	2017,46(01):168-171	其他	龚志辉,展召彬,钟剑,石 建兵
362.	差厚拼焊板焊缝线偏移的控制研究	热加工工艺	2017 年 3,121-124,128	其他	龚志辉 赵树武 钟剑 石建兵
363.	柴油喷雾贯穿距影响因素灰色关联分析	江苏大学学报(自然科学版)	2017,38(01):13-17	EI	陈征,黎青青,徐广辉,郝 勇刚,刘长振

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365.	车辆悬架部件的非线性特性研究进展	噪声与振动控制	2017 年 4,74-79,	其他	王靖岳 郭胜 鄂加强
366.	车身俯仰运动对气动升力的影响.	中国公路学报	2017, 30(1):150-158.	权威/EI	黄泰明, 谷正气, 陈阵
367.	车身内腔电泳膜厚的精确计算及工艺孔的影响研究	中国公路学报	2017, 30(1):142-149	权威/EI	聂昕, 李奥, 许冰,
368.	车用增压直喷汽油机燃烧噪声试验研究	车用发动机	2017,(03):27-32	其他	杨靖,张宇,胡会泳,冯仁华,王毅,李灿
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370.	粗糙度关联的图像特征指标性能评价方法研究	仪器仪表学报	2017 年 8,2022-2029,	其他	路恩会 刘坚 王卫芳 易怀安 张航
371.	单脉冲激光烧蚀青铜砂轮等离子物理模型研究	光学学报	2017(4) :198-209	EI	周聪; 蔡颂; 陈根余; 明兴祖
372.	底部结构对轿车侧风气动特性的影响分析	汽车工程	2017,39(01):28-34	权威/EI	袁志群,谷正气,杨明智,彭倩,刘显贵
373.	电动车车身正向概念轻量化设计	机械设计与制造	2017, (3) :246-249	其他	武敬伟,胡朝辉,丁晓明,张光亚
374.	电动助力转向系统回正补偿控制研究	机械科学与技术	2017,36(05):761-766	其他	刘俊,黄智
375.	电控液压全可变气门驱动系统的设计与分析	湖南大学学报(自科版),	2017, 44(2):9-15.	EI	杨靖, 王子昌, 王毅
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377.	多尺度铝合金变形组织演变模型研究进展	精密成形工程	2017,9(01):10-16.	其他	王冠,卞东伟,寇琳媛,易杰,刘志文,李落星
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379.	非光滑表面对汽车后视镜气动噪声的影响研究	汽车工程学报	2017,7(03):157-166	其他	范伟军,陈涛,石少亮
380.	非接触式激光测微法测定碳纤维单丝拉伸应变及模量	湖南大学学报(自然科学版)	2017,44(6):57-62	EI	费又庆,宁晓魏,欧阳婷
381.	非均匀温度场下涡旋压缩机涡旋盘数值仿真研究	液压与气动	2017,(02):51-57	其他	羊玢,郑庆乾,汤勇,谢继鹏, Lee Heow Pueh
382.	复合材料仿竹薄壁管耐撞性和可靠性研究	南京理工大学学报(自然科学版)	2017 , 41(2) :186-190	EI	武和全,毛鸿锋,侯海彬
383.	改进 RRT 在汽车避障局部路径规划中的应用	湖南大学学报(自然科学版)	2017,44(04):30-37	EI	宋晓琳,周南,黄正瑜,曹昊天
384.	钢板弹簧瞬态动力学特性建模	振动与冲击	2017,36(13):245-251	EI	张邦基,邓亢, 谢庆喜,张农

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386.	高速冲击载荷下 AM80 镁合金的力学本构及仿真模拟	中国有色金属学报	2017,27(06):1075-1082	权威/EI	郭鹏程,曹淑芬,叶拓,刘志文,李世康,李落星
387.	高应变速率下铸态 AM80 镁合金的变形行为及数值模拟	中国机械工程	2017,28(6):739-743	权威	郭鹏程; 叶 拓; 曹淑芬; 徐从昌; 李落星
388.	工程机械柔性机械臂振动的混合可靠性分析	中国机械工程	2017,28(12):1400-1405-1412	权威	曾光,姜潮,倪冰雨
389.	工程驱动的汽车造型特征设计	包装工程	2017,38(12):141-144	权威	周文治,赵江洪
390.	股骨成形术预防老年髌部骨折的断裂分析	中国医药导报	2017 年 21,94-96,F0003	其他	孙文涛 李鹏飞 林梓凌 何祥鑫 李红庚 鲁荣贵 冯莲影
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392.	固溶和时效处理对挤压态 6013 铝合金显微组织及动态力学行为的影响	机械工程材料	2017,41(6) :1-4	其他	叶 拓,李落星,唐 徐,郝文静,唐 明,李荣启
393.	广义变分模态分解及其在齿轮箱复合故障诊断中的应用	中国机械工程	2017,28(09):1069-1073	权威	杨宇,罗鹏,程军圣
394.	行驶于矿山软土路面的自卸车的减振系统协同优化	汽车工程	2017,39(06):702-709	权威/EI	张沙,谷正气,徐亚,伍文广
395.	横梁接头形式优化及其在白车身性能提升上的应用	湖南大学学报(自然科学版)	2017,44(04):1-8	EI	张辉,张晓静,刘志文,郭鹏程,王震虎,方向东
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397.	混合遗传算法求解退役工程机械回收及再制造系统中的碳排放问题	计算机应用与软件	2017 ,34(4) :42-47	其他	邓乾旺, 徐博文, 廖浩岚, 刘霞辉
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399.	基于 ANFIS 的小重叠碰撞安全气囊算法研究	汽车工程	2017,39(05):523-529	权威/EI	白中浩,张林伟,白芳华,颜长征,覃祯员,张永春
400.	基于 ASTFA 和 SDEO 解调的行星齿轮箱故障诊断方法	噪声与振动控制	2017,37(02):137-142	其他	程军圣,杨兴凯,李宝庆,杨宇
401.	基于 Atkinson 循环发动机的燃油消耗率优化方法对比研究	湖南大学学报	2017,44(8):15-22	EI	杨靖,薛川,刘凯敏,江武,张纯标,冯仁华,
402.	基于 CELCD 和 MFVPMCD 的智能故障诊断方法研究	电子学报	2017,45(3):547-551	权威/EI	潘海洋; 郑近德; 杨宇; 童宝宏
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404.	基于 Copula 函数的证据理论相关性分析模型及结构可靠性计算方法	机械工程学报	2017,53(16):199-209	权威/EI	姜潮,张旺,韩旭

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406.	基于 DSRC 的车辆防追尾预警算法	汽车安全与节能学报	2017 , 8(2) :164-169	其他	陈 涛,方 威,安林芳
407.	基于 E-NCAP 的 10 岁儿童损伤防护研究	汽车工程	2017,39(06):653-660	权威/EI	曹立波,林诗远,颜凌波,胡渊,徐哲,石向南,吴淼,毛立
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410.	基于 Hypermesh/LS-DYNA 仿真股骨干中上 1/3 骨折的断裂分析	广东医学	2017, 38(16)	其他	孙文涛, 林梓凌, 李凡, 李鹏飞, 何祥鑫, 李红庚, 鲁荣贵
411.	基于 Lagrange 插值的局部特征尺度分解方法及其应用	湖南大学学报(自然科学版)	2017,44(04):63-70	EI	吴占涛,程军圣,李宝庆,郑近德
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413.	基于 RFID、视觉和 UWB 的车辆定位系统	汽车工程	2017,39(02):225-231	权威/EI	曹立波; 陈峥; 颜凌波; 秦勤; 张瑞锋
414.	基于 Tikhonov 正则化与模型减缩技术的虚拟迭代载荷反求	湖南大学学报(自然科学版)	2017,44(02):53-59	EI	张邦基,周守玉,谢庆喜,张农
415.	基于安全带固定点新法规的座椅结构布置与改进	汽车工程	2017,39(02):138-144	权威/EI	郭鹏程,徐从昌,刘志文,方向东,李落星
416.	基于初值优化的自适应最稀疏时频分析方法	湖南大学学报	2017,44(8): 50-56	EI	彭延峰,刘贞涛,程军圣,杨宇,刘燕飞
417.	基于传递路径分析的动力传动系统 NVH 性能匹配研究	汽车工程	2017, 39(3):343-350.	权威/EI	何智成, 尹瑞林, 郝耀东.
418.	基于带约束前沿推进的四边形网格生成方法	湖南大学学报	2017,44(8):29-34	EI	汪攀,张见明,韩磊,鞠传明,池宝涛
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420.	基于动力总成-整车模型的发动机等效激励参数识别	振动与冲击	2017 年 18,154-163,	其他	何智成 刘红谱 郝耀东 顾成波
421.	基于动力总成-整车耦合模型的动力悬置系统振动性能研究	汽车工程学报	2017 年 5,357-367	其他	林新有 郝耀东 何智成 李亮
422.	基于泛灰数的结构疲劳寿命区间估计方法	计算机仿真	2017 , 34(4) :245-249	其他	陈小月,文桂林,刘 杰,卿启湘
423.	基于非线性拓扑优化的汽车变厚度保险杠耐撞性设计	中国机械工程	2017,28(17):2109-2114	权威	杨江林,张诗阳
424.	基于分级加权模型的车身色彩感性评价方法	汽车工程	2017 , 39(1) :35-40	权威/EI	苏 畅,付黎明,魏 君,曹越,黄 蕾,李 硕

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425.	基于风洞试验与 CFD 分析的汽车前后轴气动升力计算的研究	汽车工程	2017, 39(3):275-280	权威/EI	张勇, 谷正气, 刘水长
426.	基于刚度链的纯电动汽车车身主断面优化设计	中南大学学报(自然科学版)	2017,48(04):959-967	EI	刘保公,刘子建,周小龙,刘瑜
427.	基于混合 LES/BEM 方法的汽车侧窗结构风振噪声分析	计算机辅助工程	2017 ,26(3) :6-12	其他	莫志姣,江财茂,宗轶琦,张沙,马骁骥
428.	基于径向基函数的变量预测模型模式识别方法	航空动力学报	2017, 32(2):500-506.	EI	潘海洋, 杨宇, 郑近德
429.	基于可靠性优化设计的客车碰撞安全性	江苏大学学报(自然科学版)	2017 ,38(1) :7-12	EI	武和全,毛鸿锋
430.	基于孔隙控制的车身结构树脂传递模塑成型工艺设计	复合材料学报	2017,34(05):970-977	EI	杨旭静,王跃飞,韦凯,莫富灏,王彦科
431.	基于联合优化方法的汽车碰撞被动安全性研究	汽车工程	2017,39(02):168-173	权威/EI	王国春,李奇奇,戴江璐,成艾国,李铁柱
432.	基于梁与接头灵敏度分析的白车身刚度模态优化	湖南大学学报(自然科学版)	2017,44(04):9-15	EI	姚再起,门永新,李落星,毛雪峰,朱凌,马芳武
433.	基于路面附着系数估计的 AFS 控制策略研究	湖南大学学报(自然科学版)	2017,44(04):16-22	EI	周兵,田晨,宋义彤,吴晓建
434.	基于热固耦合的柴油机气缸盖有限元分析	湖南大学学报(自然科学版)	2017,4(2):35-39	EI	龚金科,何伟,钟超,田应华
435.	基于认知差异的汽车造型效果图评价方法研究	包装工程	2017,38(6):177-181	权威	曾宪义; 赵丹华; 赵江洪
436.	基于神经网络滑模的智能车辆横向控制	传感器与微系统	2017,36(05):63-67	其他	陈涛,陈东
437.	基于我国典型城市工况的小型纯电动汽车传动系优化匹配研究	汽车工程学报	2017 年 5.382-390	其他	吴晗 宋凯 熊东箭
438.	基于无级变速器的混合动力汽车动态模式切换研究	中国机械工程	2017,28(10):1253-1259	权威	王建德,周云山,阳辉勇,贾杰锋,李泉
439.	基于响应面法的听小骨消声器的优化设计	湖南大学学报(自然科学版)	2017,44(02):60-65	EI	程军圣,余淏
440.	基于形面特征的汽车造型风格研究	包装工程	2017,38(6):169-176	权威	王袁笑笑生; 赵江洪;赵丹华
441.	基于用户角色的调研方法研究	包装工程	2017,38(16):83-86	权威	谭浩,冯安然
442.	基于正交表的前纵梁拼焊板安全性设计	汽车工程	2017,39(2):38-242	权威/EI	徐峰祥; 田轩屹
443.	基于正面碰撞实验的胸部损伤有限元分析	力学学报	2017,4(1):91-201	权威/EI	肖 森 杨济匡 肖 志 Je R. Crandally
444.	基于主成分分析的结构不确定性建模与传播研究	计算力学学报	2017 年 4,411-416	EI	刘杰 谢凌 卿宏军 刘浩

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445.	基于主断面参数的车身结构刚度链快速求解	湖南大学学报(自然科学版)	1000-2472-02-0001-08	EI	刘子建; 饶俊威; 刘瑜; 秦欢
446.	基于总贡献系数和的客车噪声源识别	汽车工程	2017,39(05):575-580-87	权威/EI	谢小平,曹远龙,王茜影,王晨辉,李阳
447.	激光熔凝过程的 SPH 法数值模拟	材料热处理学报	2017 , 38 (1) :184-190	EI	刘石柏; 刘继常; 齐利军; 卢娟华
448.	减振器阻尼对扭力梁疲劳寿命的影响	中国机械工程	2017,28(5):544-549	权威	周 兵; 李宁 ; 吴晓建 ; 姜高松
449.	轿车副车架焊接变形优化研究	计算机仿真	2017 年 9.156-159	其他	谢晖 戴舒拉
450.	轿车-行人碰撞事故再现模型参数敏感性研究	汽车工程	2017,39(02):159-167	权威/EI	胡林,戴兴兴,黄晶,陈强
451.	金属带式无级变速器带轮变形损失研究	中国机械工程	2017,28(12):1420-1426	权威	傅兵,周云山,高帅,李泉,安颖
452.	金属泡沫复合材料夹芯结构的压痕响应实验	国防科技大学学报	2017, 39(1): 190-193	EI	王新筑; 周 雄; 朱炳杰; 彭向和
453.	卡车车架磁脉冲铆接结构可行性研究	塑性工程学报	2017 , 24(3) :1-6	其他	李光耀, 陈 乾, 蒋 浩, 张 旭, 崔俊佳
454.	考虑滑移流影响的新型弹性支承微型箔片动压气浮轴承的性能分析	机械工程学报	2017,53(17) :03-112	权威/EI	冯凯; 王乾振; 李文俊; 赵雪源; 张智明
455.	考虑结构、材料和工艺要求的复合材料 B 柱优化	汽车工程	2017,39(08):968-976	权威/EI	李勇俊,雷飞,刘启明,王琼
456.	考虑轮胎侧偏特性的赛车转向几何研究	中国机械工程	2017,28(09):1106-1111	权威	柴天,李凡,雷飞,刘杰,曾侠,唐应时
457.	考虑热传导和热辐射时 6063 铝合金在中等应变速率下热压缩温升的修正(没有附件)	机械工程材料	2017 年 7.98-104,110	其他	李世康 李落星 徐戎
458.	考虑位移约束的功能梯度结构 ICM 拓扑优化方法	湖南大学学报(自然科学版)	2017,44(04):56-62	EI	杨旭静,胥海波,郑娟
459.	考虑物性变化的油气悬架两相流力学特性研究	中国机械工程	2017,28(17):2043-2048-2055	权威	邓佩瑶,谷正气,张沙,马骁骥
460.	考虑转捩的某高速船用汽油机排气管流固热耦合分析(没有附件)	船舶工程	2017,(02):14-18	其他	杨靖,胡会泳,刘凯敏,王子昌,薛川,冯仁华
461.	考虑作动器动力学的半车主动互联悬架抗侧倾控制研究	振动与冲击	2017,36(12):150-154	EI	吴晓建,周兵,文桂林
462.	快速固化环氧树脂/碳纤维复合材料的性能	工程塑料应用	2017,45(04):12-16	其他	郭帅,杨旭静,方文俊, 韦凯,莫富灏,王彦科
463.	矿用自卸车主动油气悬架非线性控制方法研究	计算机工程与应用	2017,53(05):222-226+230	其他	李伟平,黄自豪,曹和利,陶建建
464.	喇叭嘴机构碳纤维振动片参数测试与动态应力计算	烟草科技	2017,50(02):72-76	EI	周长江,肖帆,张文敏,李小平

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466.	裂纹钢板的止裂孔与 CFRP 加固及其疲劳寿命预测	天津大学学报	2017 , 50(2) :154-158	EI	伍希志,林 彬,程军圣,王树新
467.	铝合金汽车前防撞梁焊接过程的数值仿真与顺序优化	汽车工程	2017,39(08):915-921	权威/EI	郭鹏程,曹淑芬,易杰,李落星
468.	铝合金热挤压过程中界面摩擦的研究进展	中国有色金属学报	2017,27(07):1311-1322	权威/EI	刘志文,李落星,张明,李世康
469.	脉冲激光烧蚀材料等离子体反冲压力物理模型研究与应用	物理学报	2017 , 66(13) :99-111	SCI	蔡颂,陈根余,周聪,周枫林,李光
470.	面向产品设计的铝合金件翻边成形	锻压技术	2017 , 42 (6) :27-32	其他	谢晖,卜宇峰,程威,褚卫东,王东福
471.	某纯电动汽车扭力梁式后悬架强度分析与优化数值模拟	农业装备与车辆工程	2017 , 55(7) :1-5	其他	郭迎福, 谭华江, 毛征宇, 蔡志华
472.	泡沫铝材料参数反求及其填充锥形薄壁管的吸能性能研究	机械科学与技术	2017,(5) :798-804	其他	黄晶,龙永程,曹娇,胡林
473.	泡沫填充多边形单锥管与双锥管斜向加载下耐撞性分析	振动与冲击	2017,36(06):18-26	EI	陈亚枫,白中浩
474.	皮质骨试样制备及其材料参数识别方法研究	中国生物医学工程学报	2017 , 36(1) :75-82	EI	张冠军;邓先攀;杨洁;翟乃川;邓小朋;曹立波
475.	疲劳寿命预测的连续型 Miner 法	计算机仿真	2017,34(01):414-417	其他	李伟平,曹和利,李磊,康晋
476.	偏相干分析在客车降噪中的应用	噪声与振动控制	2017 , 37(3) :112-116	其他	王茜影,谢小平,李 阳,杨悦,王晨辉
477.	品牌调性下的手机材料品质感研究	包装工程	2017,(08):142-146	权威	陈橙,赵江洪,赵丹华
478.	气囊式火星着陆器稳健性优化设计	中国机械工程	2017,28(1):20-26	权威	卿启湘,卿翔,肖久如,廖惠东,
479.	汽车车身耐撞框架结构设计研究	现代制造工程	2017,(02):44-51	其他	谭纯,陈涛,杨枫
480.	汽车车身异种金属板件磁脉冲焊接工艺研究	汽车工程	2017, 39(1):113-120.	权威/EI	崔俊佳, 袁伟, 李光耀
481.	汽车电子节气门位置最优预见控制	农业机械学报	2017,48(04):349-354	EI	张邦基; 陈志强; 田阳; 张农; 王明
482.	汽车覆盖件回弹逆向补偿过程中回弹量的精确计算	锻压技术	2017, 42(2):21-27.	其他	龚志辉, 兰典, 钟剑
483.	汽车刮水器气动升力的风洞试验及数值研究	空气动力学学报	2017 , 35(2) :234-241	权威	谭 鹏, 谷正气 , 陈 阵, 丰成杰, 张启东
484.	汽车混流装配线的混合布谷鸟算法排序研究	计算机工程与应用	2017,53(08):240-245	其他	余方平,刘坚,马灿
485.	汽车零部件热成形极限裕度云图的构建与应用	中国机械工程	2017, 28(3):358-365	权威	崔俊佳, 胡明, 李光耀.

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487.	汽车座椅安全带固定点强度设计	重庆理工大学学报(自然科学版)	2017,31(7):56-62	其他	贺成贵,李新华,李落星,阳辉林,
488.	枪弹冲击防弹头盔致头部非贯穿性损伤的数值模拟研究	兵工学报	2017 , 38(6) :1097-1105	EI	蔡志华,包正,王威,毛征宇
489.	青铜金刚石砂轮的激光整形与修锐	红外与激光工程	2017 , 46(4) :59-68	EI	蔡颂,熊 彪,陈根余,吴吉平
490.	轻质多孔金属及其夹芯结构力学行为的研究进展	太原理工大学学报	2017 , 48(3) :492-503	其他	王志华,李世强,李 鑫,李志强,赵隆茂
491.	热处理状态对 6063 铝合金板材弯曲变形特征的影响.	中国有色金属学报	2017,27(07):1498-1506	权威/EI	刘志文,李落星,易杰,李世康,王震虎,王冠
492.	三瓣式气体箔片径向轴承的静动态特性	中国机械工程	2017,28(15):1826-1835	权威	冯凯,胡小强,赵雪源,李文俊
493.	石墨烯含量对 WC-6Co 硬质合金组织与性能的影响研究	稀有金属与硬质合金	2017 年 3.76-80	其他	周小蓉 黄立东 杨旭静 张华
494.	瞬变工况下多缸汽油机各缸进气均匀性	燃烧科学与技术	2017,23(1):53-60	EI	付建勤,董少毅,刘敬平,夏言,周峰
495.	四合一汽车辅助驾驶系统控制决策的开发与实车测试	汽车安全与节能学报	2017 , 8(2) :122-127	其他	曹立波,刘忠臣,吴 俊,姚 远,冯谢星
496.	炭化温度对碳纤维网络增强环氧复合材料的制备和性能的影响(没有附件)	炭素技术	2017 年 4,11-15,	其他	杨丹 陈雷 费又庆
497.	碳纤维-铝合金电磁铆接与准静态压铆对比	锻压技术	2017,42(04):85-90	其他	李光耀,冯雪瑞,蒋浩,齐麟,崔俊佳,张旭
498.	碳纤维增强复合材料加固中心孔钢板综合优化	中国机械工程	2017, 28(11):1300-1304-1311	权威	伍希志,程军圣
499.	调节方向盘转速的电动助力转向系统回正控制	机械科学与技术	2017,36(06):848-854	其他	莫旭辉,罗照湘,杨辉,刘德宝,朱圆圆
500.	微 V 形槽玻璃元件模压成形有限元应力分析	湖南大学学报	2017,44(8):8-14	EI	余剑武,李婵,尹韶辉,朱科军,易成,
501.	洗衣机交互信息定性定量表达与研究	包装工程	2017, 38(6):87-91	权威	谭浩; 张静
502.	小型车用压气机气动噪声分析	湖南大学学报	2017,44(8):23-28	EI	龚金科,朱咸磊,刘冠麟,黄守辉,杨迪,
503.	悬架 K&C 特性响应的参数灵敏度分析及不确定性优化	机械科学与技术	2017,36(05):773-778	其他	任程远,赵亮,郭孔辉
504.	液压互联悬架关键参数对车辆频响特性的影响	湖南大学学报(自然科学版)	2017,44(02):16-25	EI	陈盛钊,张农,张邦基,郑敏毅,章杰
505.	液压互联悬架系统关键参数对车辆动力学响应影响及试验验证	机械工程学报	2017,53(14):39-48	权威/EI	陈盛钊,钟义旭,张邦基,张农

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507.	一种天线阵面精度补偿优化方法	现代雷达	2017,39(4):77-82	其他	郭水生,姜潮,唐宝富,王从思,钟剑锋,黄志亮,
508.	一种新的电动汽车感应电能传输系统设计方法	机械科学与技术	2017 年 9,1447-1451	其他	侯满哲 马宏 贾方健 王月亭
509.	有色噪声条件下的动力电池 SOC 估算	电力电子技术	2017 (6) :98-100	其他	窦思远 金秋谈 张农 张邦基
510.	针对驾驶员下肢损伤的油门踏板建模方法研究	现代制造工程	2017 年,7:63-70	其他	刘宇豪 林诗远 曹立波
511.	中国 50th 人体小腿有限元模型多工况优化建模方法	中国生物医学工程学报	2017 , 36(2) :195-204	权威	张冠军, 王龙亮, 邓小朋, 杜现平, 官凤娇
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514.	装有液压互联悬架车辆的越野性能仿真与试验研究	汽车工程	2017,39(04):447-456	权威/EI	周敏,章杰,郑敏毅,张农, 张邦基
515.	锥形薄壁梁斜向耐撞性优化设计仿真研究	现代制造工程	2017 (5) :139-145	其他	张文强,张维刚,唐涛,陈鼎