

机械工程学院高水平学术代表论文（部分）

序号	论文题目	发表刊物	第一作者
1	Pull-in instability of a typical electrostatic MEMS resonator and its control by delayed feedback	Nonlinear Dynamics	尚慧琳
2	Outer synchronization of small-world networks by a second-order sliding mode controller	Nonlinear Dynamics	柳爽
3	Evaluation of roundness error uncertainty by a Bayesian dynamic model	Measurement	张珂
4	Microstructures, mechanical and tribological properties of NbN/MoS ₂ nanomultilayered films deposited by reactive magnetron	Vacuum	张而耕
5	Stress fatigue crack propagation analysis of crane structure based on acoustic emission	Engineering Failure Analysis	徐彬
6	Analysis and elimination for drum warpage of u-shaped workpiece with super length and large opening of sheet metal	The International Journal of Advanced Manufacturing Technology	付泽民
7	Effect of Laser-Induced Heating on Raman Measurement within a Silicon Microfluidic Channel	Micromachines	林莹
8	Effect of Thickness on Tribological Behavior of Hydrogen Free Diamond-like Carbon Coating	Coatings	黄彪
9	Numerical simulation of two-dimensional turbulence based on Immersed Boundary Lattice Boltzmann method	Computers and Fluids	夏玉显

10	Parametric Vibration and Numerical Validation of Axially Moving Viscoelastic Beams with Internal Resonance. Time and	Journal of Vibration and Acoustics	唐有绮
11	Experimental and simulation study on chatter stability region of integral impeller with non-uniform allowance	Science Progress	吴雁
12	Dynamic Performance of Different Metal Foam Magnetorheological Fluid Materials	IEEE Transactions on Magnetics	刘旭辉
13	The impact strength and electrical properties of polyimide-/polyolefin elastomer-grafted multiwalled carbon nanotube composites	Journal of Thermoplastic Composite Materials	聂文忠
14	Effect of environmental degradation and mechanical properties of polyamide 6-grafted carbon fiber/poly composites	Journal of Thermoplastic Composite Materials	张建国
15	Mechanics Performance of a Novel Magneto-Rheological Fluid Damper	Journal of Testing and Evaluation	刘彩霞
16	Ultrasound on-line measurement of pulverized coal flow in coal-fired boilers	Materials Testing	侯怀书
17	地铁车辆连挂冲击非线性动力学模型研究	机械工程学报	张锁怀
18	基于数字相关法的应力应变检测技术及应用	光子学报	米红林
19	偏心双桨搅拌流场及效果分析	化学反应工程与工艺	张慧敏
20	基于误差分析的复杂曲面可侧铣判定方法研究	机床与液压	郑刚