

序号	论文题目	刊物名称	卷(期), 页	作者
1	Effects of position, thickness, and annealing temperature of Ag buffer layer on the shape of ZnO nanocrystals grown by a simple hydrothermal process	JOURNAL OF MATERIALS RESEARCH	28(24), 3384-3393	Li, BJ; Huang, LJ; Zhou, M; Ren, NF
2	Numerical simulation of droplet dynamic behaviors in a convergent microchannel	BIOCHIP JOURNAL	7(4), 325-334	Yan, Y; Guo, D; Luo, J; Wen, SZ
3	Tunable giant anisotropic diffusion of water sub-monolayers between graphene layers	NANOTECHNOLOGY	24(50), 505504	Xu, L; Hu, YZ; Ma, TB; Wang, H
4	Tapered Fiber Bundle 7 x 1 End-Pumping Coupler Capable of High Power CW Operation	IEEE PHOTONICS TECHNOLOGY LETTERS	25(24), 2442-2445	Xiao, QR; Ren, HC; Chen, X; Yan, P; Gong, ML
5	Ice lubrication for moving heavy stones to the Forbidden City in 15th-and 16th-century China	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	110(50), 20023-20027	Li, J; Chen, HS; Stone, HA
6	Tribochemistry of Phosphoric Acid Sheared between Quartz Surfaces: A Reactive Molecular Dynamics Study	JOURNAL OF PHYSICAL CHEMISTRY C	117(48), 25604-25614	Yue, DC; Ma, TB; Hu, YZ; Yeon, J; van Duin, ACT; Wang, H; Luo, JB
7	Hyperbolic metamaterial based on anisotropic Mie-type resonance	OPTICS EXPRESS	21(24), 29592-29600	Lan, CW; Bi, K; Li, B; Cui, XH; Zhou, J; Zhao, Q
8	MECHANICAL STRUCTURE IMPROVEMENT OF AN UPPER LIMB REHABILITATION ROBOT: BASED ON AN EQUIVALENT KINEMATIC MODEL	JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY	13(6), 1340021	Li, C; Liu, EC; Ji, LH
9	A reliable control system for measurement on film thickness in copper chemical mechanical planarization system	REVIEW OF SCIENTIFIC INSTRUMENTS	84(12), 125101	Li, HK; Qu, ZL; Zhao, Q; Tian, FX; Zhao, DW; Meng, YG; Lu, XC
10	Trajectory generation and tracking control of a multi-level hybrid support manipulator in FAST	MECHATRONICS	23(8), 1113-1122	Tang, XQ; Shao, ZF
11	Advancements in superlubricity	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(12), 2877-2887	Li, JJ; Luo, JB
12	A prediction of drag reduction by entrapped gases in hydrophobic transverse grooves	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(12), 2973-2978	Wang, B; Wang, JD; Chen, DR

13	Damages on the lubricated surfaces in bearings under the influence of weak electrical currents	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(12), 2979-2987	Xie, GX; Luo, JB; Guo, D; Liu, SH; Li, G
14	Lubricating properties of polyalkylene glycol and organic phosphate ester mixed aqueous solutions	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(12), 2988-2993	Zhang, CH; Zheng, MW; Dai, YJ
15	Probing particle removal in brush scrubber cleaning with fluorescence technique	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(12), 2994-3000	Huang, YT; Li, Y; Guo, D; Meng, CL
16	Laser wavelength effects on (Ti, Al, Si)N in near-field laser nanostructuring by micron optical fiber enhanced irradiation	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(12), 3012-3016	Liu, DM; Liu, JC; Wang, H; Su, K; Shao, TM
17	Online measurement of water concentration of oil-water mixtures in the flow of pipeline by using eddy current method	MEASUREMENT SCIENCE & TECHNOLOGY	24(12), 125304	Qu, ZL; Zhao, Q; Meng, YG
18	Spectrum auto-correlation analysis and its application to fault diagnosis of rolling element bearings	MECHANICAL SYSTEMS AND SIGNAL PROCESSING	41(1-2), 141-154	Ming, AB; Qin, ZY; Zhang, W; Chu, FL
19	Chemical mechanical polishing (CMP) of on-axis Si-face 6H-SiC wafer for obtaining atomically flat defect-free surface	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	24(12), 5040-5047	Pan, GS; Zhou, Y; Luo, GH; Shi, XL; Zou, CL; Gong, H
20	DNA ORIGAMI SITE-SPECIFIC ARRANGEMENT OF GOLD NANOPARTICLES	NANO	8(6), 1350064	George, A; Ye, R; Zhuang, LZ; Yang, XH; Shen, ZY; Zhou, M
21	Formation and Development of Iridescent Rings Around Cavitation Erosion Pits	TRIBOLOGY LETTERS	52(3), 495-500	Li, J; Wu, B; Chen, HS
22	Morphology and wettability of ZnO nanostructures prepared by hydrothermal method on various buffer layers	APPLIED SURFACE SCIENCE	286, 391-396	Li, BJ; Huang, LJ; Zhou, M; Ren, NF
23	Optimization of design of experiment for chemical mechanical polishing of a 12-inch wafer	MICROELECTRONIC ENGINEERING	112, 5-9	Wang, TQ; Lu, XC; Zhao, DW; He, YY; Luo, JB
24	Failure analysis of journal bearing used in turboset of a power plant	MATERIALS & DESIGN	52, 923-931	He, YY; Zhao, ZK; Luo, TY; Lu, XC; Luo, JB
25	Fabrication of Ceramic Microspheres by Diffusion-Induced Sol-Gel Reaction in Double Emulsions	ACS APPLIED MATERIALS & INTERFACES	5(22), 11489-11493	Zhang, L; Hao, SC; Liu, B; Shum, HC; Li, J; Chen, HS
26	Optimal design of ultrahigh-energy laser amplifier chain with high storage energy extraction	APPLIED OPTICS	52(33), 7942-7949	Liu, Q; Hong, HL; Fu, X; Sui, Z; Huang, L; Gong, ML
27	Microstructure and visible light photocatalytic activity of	SURFACE ENGINEERING	29(10), 720-725	Wang, M; Lei, YC; Wang, YL;

	Fe-TiO ₂ films on steel by PEO			Zhou, M; Zhu, Q; Wu, B; Amoako, G; Ding, H
28	Theoretical study of power amplification in tapered fiber with multi-seed parallel injection	CHINESE PHYSICS B	22(11), 114208	Xiao, QR; Ren, HC; Li, D; Gong, ML; Yan, P
29	100 Hz high energy KTiOAsO ₄ optical parametric oscillator	INFRARED PHYSICS & TECHNOLOGY	61, 287-289	Liu, Q; Zhang, ZL; Liu, JH; Gong, ML
30	The effect of aging during storage on the performance of a radial lip seal	POLYMER DEGRADATION AND STABILITY	98(11), 2193-2200	Guo, F; Jia, XH; Huang, L; Salant, RF; Wang, YM
31	Influence of Inactivation Treatment of Ship's Ballast Water on Corrosion Resistance of Ship Steel Plate	JOURNAL OF IRON AND STEEL RESEARCH INTERNATIONAL	20(11), 85-89	Wang, ZX; Zhao, JH; Jia, XH; Fang, JG; Zhang, B; Ding, GQ
32	Performance scaling of high-power picosecond cryogenically cooled rod-type Yb:YAG multipass amplification	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS	30(11), 2798-2809	Fu, X; Hong, KH; Chen, LJ; Kartner, FX
33	Design of an Ackermann-type steering mechanism	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	227(11), 2549-2562	Zhao, JS; Liu, X; Feng, ZJ; Dai, JS
34	Settlement and cell division of diatom Navicula can be influenced by light of various qualities and intensities	JOURNAL OF BASIC MICROBIOLOGY	53(11), 884-894	Cao, S; Wang, JD; Chen, DR
35	Achievement of a near-perfect smooth silicon surface	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(11), 2847-2853	Li, J; Liu, YH; Dai, YJ; Yue, DC; Lu, XC; Luo, JB
36	The rheological properties of magnetic field excited magnetic powders sheared between two parallel plates	SMART MATERIALS AND STRUCTURES	22(11), 115036	Chen, KK; Tian, Y; Shan, L; Zhang, XJ; Meng, YG
37	Reversible wettability control of ZnO thin films synthesized by hydrothermal process on different buffer layers	MATERIALS LETTERS	110, 160-163	Li, BJ; Huang, LJ; Zhou, M; Ren, NF
38	Effect of Surface Energy on the Wear Process of Bulk-Fabricated MEMS Devices	TRIBOLOGY LETTERS	52(2), 213-221	Shen, SH; Meng, YG
39	Face Rub-Impact Monitoring of a Dry Gas Seal Using Acoustic Emission	TRIBOLOGY LETTERS	52(2), 253-259	Huang, WF; Lin, YB; Liu, Y; Liu, XF; Gao, Z; Wang, YM
40	Effects of gyroscopic moment on the damage of a tapered roller bearing	MECHANISM AND MACHINE THEORY	69, 185-199	Zhao, JS; Liu, WT; Zhang, Y; Feng, ZJ; Ye, J; Niu, QB

41	Boundary layer viscosity of CNT-doped liquid crystals: effects of phase behavior	RHEOLOGICA ACTA	52(10-12), 939-947	Qiao, XX; Zhang, XJ; Guo, YB; Yang, SK; Tian, Y; Meng, YG
42	Three-Dimensional Flow-Heat Coupling Model of a Wavy-Tilt-Dam Mechanical Seal	TRIBOLOGY TRANSACTIONS	56(6), 1146-1155	Liu, W; Liu, Y; Zhai, JJ; Huang, WF; Wang, YM
43	Extended study of the atomic step-terrace structure on hexagonal SiC (0001) by chemical-mechanical planarization	APPLIED SURFACE SCIENCE	284, 195-206	Shi, XL; Pan, GS; Zhou, Y; Zou, CL; Gong, H
44	Anisotropic wettability of laser micro-grooved SiC surfaces	APPLIED SURFACE SCIENCE	284, 930-935	Ma, CH; Bai, SX; Peng, XD; Meng, YG
45	Sulfur vacancies in monolayer MoS ₂ and its electrical contacts	APPLIED PHYSICS LETTERS	103(18), -	Liu, D; Guo, Y; Fang, L; Robertson, J
46	Hydrophilic control of laser micro-square-convexes SiC surfaces	MATERIALS LETTERS	109, 316-319	Ma, CH; Bai, SX; Meng, YG; Peng, XD
47	Eutectic Condensation and Nucleation in Vapor-Liquid-Solid Grown ZnO Nanorod Arrays on Si Substrate	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	13(10), 6978-6982	Wu, CX; Zhou, M; Zhang, SG; Xu, CX
48	Controllable Interfacial Adhesion Applied to Transfer Light and Fragile Objects by Using Gecko Inspired Mushroom-Shaped Pillar Surface	ACS APPLIED MATERIALS & INTERFACES	5(20), 10137-10144	Zhou, M; Tian, Y; Sameoto, D; Zhang, XJ; Meng, YG; Wen, SZ
49	Mathematical model for cutting force in rotary ultrasonic face milling of brittle materials	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	69(1-4), 161-170	Zhang, CL; Zhang, JF; Feng, PF
50	Improved Rotary Contact Method for 5-Axis Sculptured Surfaces Machining	JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME	135(5), 51002	Fan, WG; Ye, PQ; Fang, CX; Shi, SH
51	Contact electrification between polymers and steel	JOURNAL OF ELECTROSTATICS	71(5), 862-866	Zhang, YY; Shao, TM
52	Underwater locomotion strategy by a benthic pennate diatom <i>Navicula</i> sp.	PROTOPLASMA	250(5), 1203-1212	Wang, JD; Cao, S; Du, C; Chen, DR
53	Effects of stick-slip on stress intensity factors for subsurface short cracks in rolling contact	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(10), 2413-2421	Liu, WT; Zhang, Y; Feng, ZJ; Zhao, JS
54	A mass-conservative average flow model based on finite element method for complex textured surfaces	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	56(10), 1909-1919	Xie, Y; Li, YJ; Suo, SF; Liu, XF; Li, JH; Wang, YM
55	The effect of surface roughness on thermal-elasto-hydrodynamic	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	56(10), 1920-1929	Wen, QF; Liu, Y; Huang, WF; Suo,

	model of contact mechanical seals			SF; Wang, YM
56	Wafer bending/orientation characterization and their effects on fluid lubrication during chemical mechanical polishing	TRIBOLOGY INTERNATIONAL	66, 330-336	Zhao, DW; He, YY; Wang, TQ; Lu, XC; Luo, JB
57	Performance Analysis and Comparison of Planar 3-DOF Parallel Manipulators with One and Two Additional Branches	JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS	72(1), 73-82	Wu, J; Li, TM; Wang, JS; Wang, LP
58	A study on the effect of structure parameters on the dynamic characteristics of a PRRRP parallel manipulator	NONLINEAR DYNAMICS	74(1-2), 227-235	Wu, J; Wang, LP; Guan, LW
59	Controllable Super lubricity of Glycerol Solution via Environment Humidity	LANGMUIR	29(38), 11924-11930	Chen, Z; Liu, YH; Zhang, SH; Luo, JB
60	Adhesion of moving droplets in microchannels	APPLIED PHYSICS LETTERS	103(13), 131605	Chen, HS; Dong, EK; Li, J; Stone, HA
61	Investigations on the mechanism of superlubricity achieved with phosphoric acid solution by direct observation	JOURNAL OF APPLIED PHYSICS	114(11), 114901	Li, JJ; Ma, LR; Zhang, SH; Zhang, CH; Liu, YH; Luo, JB
62	Orientation dependent wavefront correction system under grazing incidence	OPTICS EXPRESS	21(18), 20497-20505	Ma, XK; Huang, L; Gong, ML; Xue, Q; Feng, ZX; Yan, P; Liu, Q
63	Effect of salt concentration on the conformation and friction behaviour of DNA	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	436, 775-781	Wang, M; Tian, Y; Cui, SX; Qian, LM
64	Theoretical study of pump absorption of colinear side-pumping coupler with pumping and absorption loops	OPTICAL ENGINEERING	52(9), 96111	Xiao, QR; Ren, HC; Yan, P; Li, D; Gong, ML
65	Study the coupling effect of shear and electric field on rheological behaviors of liquid crystals	ACTA PHYSICA SINICA	62(17), 176101	Qiao, XX; Zhang, XJ; Tian, Y; Meng, YG; Wen, SZ
66	A method for thermal performance modeling and simulation of machine tools	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	68(5-8), 1517-1527	Zhang, JF; Feng, PF; Chen, C; Yu, DW; Wu, ZJ
67	Transient response of sheared magnetic powder excited by a stepwise magnetic field and its comparison with ER and MR fluids	SMART MATERIALS AND STRUCTURES	22(9), 97001	Chen, KK; Tian, Y; Shan, L; Jiang, JL
68	Frictional Resistance Model of Capsule Endoscope in the Intestine	TRIBOLOGY LETTERS	51(3), 409-418	Wang, Z; Ye, X; Zhou, M
69	An optimized amplitude-weighting wavefront correction algorithm in laser systems	LASER PHYSICS	23(9), 95302	Xue, Q; Huang, L; Yan, P; Gong, ML; Qiu, YT; Li, TH; Feng, ZX; Ma, XK

70	Frequency-Domain Analysis of Nonlinear Active Disturbance Rejection Control via the Describing Function Method	IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS	60(9), 3906-3914	Wu, D; Chen, K
71	First-principles calculations of the electronic structure and defects of Al ₂ O ₃	JOURNAL OF APPLIED PHYSICS	114(8), 83704	Liu, D; Guo, Y; Lin, L; Robertson, J
72	Polarization and incidence insensitive dielectric electromagnetically induced transparency metamaterial	OPTICS EXPRESS	21(17), 19675-19680	Zhang, FL; Zhao, Q; Zhou, J; Wang, SX
73	Structure and corrosion resistance in physiological solution of Hf-Si-N films deposited by IBAD	SURFACE & COATINGS TECHNOLOGY	228, S449-S451	Jin, G; Cui, XF; Hao, JL; Liu, EB; Wei, SB; Shao, TM
74	A REVIEW ON RESEARCH ON DEVELOPMENT OF LIGAMENT CONSTITUTIVE RELATIONS ON MACRO, MESO, AND MICRO LEVELS	ACTA MECHANICA SOLIDA SINICA	26(4), 331-343	Wan, C; Hao, ZX; Wen, SZ
75	Effects of damping, friction, gravity, and flexibility on the dynamic performance of a deployable mechanism with clearance	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	227(8), 1791-1803	Li, JL; Yan, SZ; Guo, F; Guo, PF
76	Workspace quality analysis and application for a completely restrained 3-Dof planar cable-driven parallel manipulator	JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY	27(8), 2391-2399	Tang, XQ; Tang, LW; Wang, JS; Sun, DF
77	3D DNA origami designed with caDNAno	CHINESE SCIENCE BULLETIN	58(24), 3019-3022	Amoako, G; Zhou, M; Ye, RA; Zhuang, LZ; Yang, XH; Shen, ZY
78	Contact stress non-uniformity of wafer surface for multi-zone chemical mechanical polishing process	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(8), 1974-1979	Wang, TQ; Lu, XC; Zhao, DW; He, YY
79	A method of charge measurement for contact electrification	JOURNAL OF ELECTROSTATICS	71(4), 712-716	Zhang, YY; Shao, TM
80	Using rotary contact method for 5-axis convex sculptured surfaces machining	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	67(9-12), 2875-2884	Fan, WG; Ye, PQ; Zhang, H; Fang, CX; Wang, RC
81	Effect of slurry injection position on material removal in chemical mechanical planarization	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	67(9-12), 2903-2908	Wang, TQ; Zhao, DW; He, YY; Lu, XC
82	Analysis of wavefront aberration induced by turbulent flow field in liquid-convection-cooled disk laser	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS	30(8), 2161-2167	Li, PL; Fu, X; Liu, Q; Gong, ML
83	An on-axis self-calibration approach for precision rotary	MEASUREMENT SCIENCE & TECHNOLOGY	24(8), 85007	Hu, CX; Zhu, Y; Hu, JC; Xu, DF;

	metrology stages based on an angular artifact plate			Zhang, M
84	Analysis of nanoprobe penetration through a lipid bilayer	BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES	1828(8), 1667-1673	Liu, F; Wu, D; Kamm, RD; Chen, K
85	Effect of zone pressure on wafer bending and fluid lubrication behavior during multi-zone CMP process	MICROELECTRONIC ENGINEERING	108, 33-38	Zhao, DW; Wang, TQ; He, YY; Lu, XC
86	In-situ measurement of Cu film thickness during the CMP process by using eddy current method alone	MICROELECTRONIC ENGINEERING	108, 66-70	Qu, ZL; Zhao, Q; Meng, YG; Wang, TQ; Zhao, DW; Men, YW; Lu, XC
87	Stiffness and natural frequency of a 3-DOF parallel manipulator with consideration of additional leg candidates	ROBOTICS AND AUTONOMOUS SYSTEMS	61(8), 868-875	Wu, J; Li, TM; Wang, JS; Wang, LP
88	Mechanical behavior of cells in microinjection: A minimum potential energy study	JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS	24, 1-8	Liu, F; Wu, D; Chen, K
89	Effect of disturbances on the dynamic performance of a wavy-tilt-dam mechanical seal	TRIBOLOGY INTERNATIONAL	64, 63-68	Liu, W; Liu, Y; Huang, WF; Suo, SF; Wang, YM
90	Parameter analysis of the radial lip seal by orthogonal array method	TRIBOLOGY INTERNATIONAL	64, 96-102	Jia, XH; Guo, F; Huang, L; Salant, RF; Wang, YM
91	Effects of Sm and Y on the electron property of the anodic film on lead in sulfuric acid solution	JOURNAL OF POWER SOURCES	235, 202-213	Li, DG; Wang, JD; Chen, DR
92	Aminosilanzation Nanoadhesive Layer for Nanoelectric Circuits with Porous Ultralow Dielectric Film	ACS APPLIED MATERIALS & INTERFACES	5(13), 6097-6107	Zhao, ZK; He, YY; Yang, HF; Qu, XP; Lu, XC; Luo, JB
93	Isotropic Mie resonance-based metamaterial perfect absorber	APPLIED PHYSICS LETTERS	103(3), 31910	Liu, XM; Zhao, Q; Lan, CW; Zhou, J
94	Theoretical study of pumping absorption in a co-linear side-pumping coupler	OPTICS COMMUNICATIONS	300, 220-224	Xiao, QR; Ren, HC; Yan, P; Chen, X; Gong, ML
95	On the Fracture of Supported Graphene Under Pressure	JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME	80(4), 40911	Song, ZG; Xu, ZP; Huang, XL; Kim, JY; Zheng, QS
96	Investigation of Protein Adsorption Mechanism and Biotribological Properties at Simulated Stem-Cement Interface	JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME	135(3), 32301	Zhang, HY; Zhang, SH; Luo, JB; Liu, YH; Qian, SH; Liang, FH; Huang, YL
97	Corner-pumped Nd:YAG/YAG composite slab continuous-wave 946 nm laser	ACTA PHYSICA SINICA	62(14), 144205	Liu, H; Wang, W; Gong, ML

98	Counterweight optimization of an asymmetrical hybrid machine tool based on dynamic isotropy	JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY	27(7), 1915-1922	Wu, J; Li, TM; Wang, LP
99	Nanoscale guiding for cold atoms based on surface plasmons along the tips of metallic wedges	CHINESE PHYSICS B	22(7), 73701	Wang, ZL; Tang, WM; Zhou, M; Gao, CY
100	A high energy 3.75 μm KTA optical parametric oscillator at a critical angle	LASER PHYSICS LETTERS	10(7), 75407	Liu, Q; Liu, JH; Zhang, ZL; Gong, ML
101	Superlubricity of Si ₃ N ₄ sliding against SiO ₂ under linear contact conditions in phosphoric acid solutions	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	56(7), 1678-1684	Sun, L; Zhang, CH; Li, JJ; Liu, YH; Luo, JB
102	The research on geometric error's tolerance design of X-Y stage's measurement system accuracy	TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL	35(5), 672-682	Gao, ZY; Hu, JC; Zhu, Y; Duan, GH
103	The Study of Micro-grating and Micro-square-column on Frictional Resistance Reduction of 316L Stainless Steel Surface	JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS	23(4), 803-807	Wang, Z; Zhou, M; Xu, YN
104	Microbubble Phenomenon in the Grease Lubricating Film Induced by Micro-Oscillation	TRIBOLOGY LETTERS	51(1), 143-151	Liu, SH; Guo, D; Xie, GX
105	A new 6-degree-of-freedom measurement method of X-Y stages based on additional information	PRECISION ENGINEERING-JOURNAL OF THE INTERNATIONAL SOCIETIES FOR PRECISION ENGINEERING AND NANOTECHNOLOGY	37(3), 606-620	Gao, ZY; Hu, JC; Zhu, Y; Duan, GH
106	Low repetition rate broadband high energy and peak power nanosecond pulsed Yb-doped fiber amplifier	OPTICS AND LASER TECHNOLOGY	49, 284-287	Zheng, C; Zhang, HT; Yan, P; Gong, ML
107	Observation of High-Speed Microscale Superlubricity in Graphite	PHYSICAL REVIEW LETTERS	110(25), 255504	Yang, JR; Liu, Z; Grey, F; Xu, ZP; Li, XD; Liu, YL; Urbakh, M; Cheng, Y; Zheng, QS
108	Ab Initio Study of the Friction Mechanism of Fluorographene and Graphane	JOURNAL OF PHYSICAL CHEMISTRY C	117(24), 12520-12525	Wang, LF; Ma, TB; Hu, YZ; Wang, H; Shao, TM
109	Beam shaping system design using double freeform optical surfaces	OPTICS EXPRESS	21(12), 14728-14735	Feng, ZX; Huang, L; Gong, ML; Jin, GF
110	The generation of nano sandwich sheets in ring area around cavitation erosion pit on the surface of carbon steel	WEAR	303(1-2), 419-425	Yan, DY; Wang, JD; Liu, FB; Chen, DR

111	Effect of contact deformation on contact electrification: a first-principles calculation	JOURNAL OF PHYSICS D-APPLIED PHYSICS	46(23), 235304	Zhang, YY; Shao, TM
112	Measurement of the Friction between Single Polystyrene Nanospheres and Silicon Surface Using Atomic Force Microscopy	LANGMUIR	29(23), 6920-6925	Guo, D; Li, JN; Chang, L; Luo, JB
113	The Structure and Dimensional Design of a Reconfigurable PKM	INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS	10, 267	Tang, XQ; Sun, DF; Shao, ZF
114	Effect of Scratch Velocity on Deformation Features of C-plane Sapphire during Nanoscratching	STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING	59(6), 367-374	Feng, PF; Zhang, CL; Wu, ZJ; Zhang, JF
115	Dynamic Reliability Analysis of Mechanical Components Based on Equivalent Strength Degradation Paths	STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING	59(6), 387-399	Gao, P; Yan, SZ; Xie, LY; Wu, JN
116	Thermal analysis of composite solar array subjected to space heat flux	AEROSPACE SCIENCE AND TECHNOLOGY	27(1), 84-94	Li, JL; Yan, SZ; Cai, RY
117	A simple calibration method for structured light-based 3D profile measurement	OPTICS AND LASER TECHNOLOGY	48, 187-193	Xu, J; Douet, J; Zhao, JG; Song, LB; Chen, K
118	Accuracy- and Simplicity-Oriented Self-Calibration Approach for Two-Dimensional Precision Stages	IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS	60(6), 2264-2272	Zhu, Y; Hu, CX; Hu, JC; Yang, KM
119	Direct-liquid-cooled Nd:YAG thin disk laser oscillator	APPLIED PHYSICS B-LASERS AND OPTICS	111(3), 517-521	Fu, X; Liu, Q; Li, PL; Gong, ML
120	First-principles study of electronic properties of interfacial atoms in metal-metal contact electrification	CHINESE PHYSICS B	22(5), 53403	Zhang, YY; Shao, TM; Su, K
121	Laser diode end-pumped Nd:YVO4 regenerative amplifier for picosecond pulses	CHINESE PHYSICS B	22(5), 54206	Zhang, ZL; Liu, Q; Yan, P; Xia, P; Gong, ML
122	Wavefront aberration induced by beam passage through a water-convection-cooled Nd:YAG thin disk	JOURNAL OF OPTICS	15(5), 55704	Fu, X; Liu, Q; Li, PL; Gong, ML
123	All-fiber high energy and peak power broadband Yb-doped fiber amplifier	JOURNAL OF OPTICS	15(5), 52201	Zheng, C; Gong, ML; Zhang, HT; Yan, P; Xiao, QR; Liu, M
124	The beam quality of a truncated Gaussian beam with aberrations	LASER PHYSICS LETTERS	10(5), 55001	Qiu, YT; Gong, ML; Huang, L; Liu, Q; Yan, P; Zhang, HT; Li, TH

125	Non-linear composite control with applications to 3-DOF planar motor	TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL	35(3), 330-341	Li, X; Yang, KM; Zhu, Y; Yu, DD
126	High Repetition Rate, 4 μ m Mid-Infrared Generation with Periodically Poled Magnesium-Oxide-Doped Lithium Niobate Based Optical Parametric Oscillator Pumped by Fiber Laser	APPLIED PHYSICS EXPRESS	6(5), 52704	Liu, Q; Wang, L; Chen, HL; Yan, P; Gong, ML
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133	Superlubricity Achieved with Mixtures of Polyhydroxy Alcohols and Acids	LANGMUIR	29(17), 5239-5245	Li, JJ; Zhang, CH; Luo, JB
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135	32.5 mJ and 4.6 ns 532 nm Q-switched Nd:YAG laser at 500 Hz	APPLIED OPTICS	52(12), 2735-2738	Zhang, ZL; Liu, Q; Gong, ML
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141	The influence of fusion splicing on the beam quality of a ytterbium-doped fiber laser	LASER PHYSICS	23(4), 45109	Yan, P; Hao, JP; Xiao, QR; Wang, YP; Gong, ML
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144	Beam quality improvement by joint compensation of amplitude and phase	OPTICS LETTERS	38(7), 1101-1103	Gong, ML; Qiu, YT; Huang, L; Liu, Q; Yan, P; Zhang, HT
145	Fiber coupler for mode selection and high-efficiency pump coupling	OPTICS LETTERS	38(7), 1170-1172	Xiao, QR; Chen, X; Ren, HC; Yan, P; Gong, ML
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		OF MECHANICAL ENGINEERING SCIENCE		
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