List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Subspace clustering for panel data with interactive effects. Canadian Journal of Statistics, 2022, 50, 867-887. | 0.9 | 0 |
| 2 | Theoretical Investigation for Angle Measurement Based on Femtosecond Maker Fringe. Applied Sciences (Switzerland), 2022, 12, 3702. | 2.5 | 4 |
| 3 | A New Optical Configuration for the Surface Encoder with an Expanded Z-Directional Measuring Range. Sensors, 2022, 22, 3010. | 3.8 | 3 |
| 4 | Influence of Surface Tilt Angle on a Chromatic Confocal Probe with a Femtosecond Laser. Applied Sciences (Switzerland), 2022, 12, 4736. | 2.5 | 3 |
| 5 | A new method for evaluation of the pitch deviation of a linear scale grating by an optical angle sensor. Precision Engineering, 2021, 67, 1-13. | 3.4 | 16 |
| 6 | Measurement of the apex angle of a small prism by an oblique-incidence mode-locked femtosecond laser autocollimator. Precision Engineering, 2021, 67, 339-349. | 3.4 | 4 |
| 7 | An absolute surface encoder with a planar scale grating of variable periods. Precision Engineering, 2021, 67, 36-47. | 3.4 | 15 |
| 8 | Micro-gear measuring machine. , 2021, , 189-224. | | 0 |
| 9 | Quartz tuning fork atomic force microscope. , 2021, , 41-79. | | 0 |
| 10 | Self-calibration of probe tip radius and cutting edge sharpness. , 2021, , 405-427. | | 0 |
| 11 | In-process fast tool servo profiler. , 2021, , 371-403. | | 1 |
| 12 | Scalability of precision design principles for machines and instruments. CIRP Annals - Manufacturing Technology, 2021, 70, 659-680. | 3.6 | 2 |
| 13 | Low-force elastic beam surface profiler. , 2021, , 121-154. | | 0 |
| 14 | On-machine length gauge surface profiler. , 2021, , 225-269. | | 0 |
| 15 | Linear-scan micro roundness measuring machine. , 2021, , 155-187. | | Ο |
| 16 | On-machine roll profiler. , 2021, , 337-370. | | 0 |
| 17 | On-machine air-bearing surface profiler. , 2021, , 271-304. | | 0 |
| 18 | An Optical Frequency Domain Angle Measurement Method Based on Second Harmonic Generation. Sensors, 2021, 21, 670. | 3.8 | 10 |

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| 19 | Micropipette ball probing system. , 2021, , 81-119. | | Ο |
| 20 | A technique for measurement of a prism apex angle by optical angle sensors with a reference artefact. Measurement Science and Technology, 2021, 32, 054007. | 2.6 | 5 |
| 21 | Self-calibration of a variable-line-spacing grating for an absolute optical encoder with a Fizeau interferometer. Measurement Science and Technology, 2021, 32, 064005. | 2.6 | 6 |
| 22 | Improvement of a Stitching Operation in the Stitching Linear-Scan Method for Measurement of Cylinders in a Small Dimension. Applied Sciences (Switzerland), 2021, 11, 4705. | 2.5 | 1 |
| 23 | Measurement Range Expansion of Chromatic Confocal Probe with Supercontinuum Light Source. International Journal of Automation Technology, 2021, 15, 529-536. | 1.0 | 5 |
| 24 | In-Situ Evaluation of the Pitch of a Reflective-Type Scale Grating by Using a Mode-Locked Femtosecond Laser. Applied Sciences (Switzerland), 2021, 11, 8028. | 2.5 | 5 |
| 25 | An application of the edge reversal method for accurate reconstruction of the three-dimensional profile of a single-point diamond tool obtained by an atomic force microscope. International Journal of Advanced Manufacturing Technology, 2021, 117, 2883-2893. | 3.0 | 6 |
| 26 | Closed-Loop Control of an XYZ Micro-Stage and Designing of Mechanical Structure for Reduction in Motion Errors. Nanomanufacturing and Metrology, 2021, 4, 53-66. | 3.0 | 10 |
| 27 | Noncontact scanning electrostatic force microscope. , 2021, , 1-39. | | 0 |
| 28 | On-machine atomic force microscope. , 2021, , 305-336. | | 0 |
| 29 | A Comparison of the Probes with a Cantilever Beam and a Double-Sided Beam in the Tool Edge Profiler for On-Machine Measurement of a Precision Cutting Tool. Machines, 2021, 9, 271. | 2.2 | 0 |
| 30 | A Self-Calibration Stitching Method for Pitch Deviation Evaluation of a Long-Range Linear Scale by Using a Fizeau Interferometer. Sensors, 2021, 21, 7412. | 3.8 | 5 |
| 31 | High-Precision Cutting Edge Radius Measurement of Single Point Diamond Tools Using an Atomic Force Microscope and a Reverse Cutting Edge Artifact. Applied Sciences (Switzerland), 2020, 10, 4799. | 2.5 | 9 |
| 32 | Measurement Uncertainty Analysis of a Stitching Linear-Scan Method for the Evaluation of Roundness of Small Cylinders. Applied Sciences (Switzerland), 2020, 10, 4750. | 2.5 | 9 |
| 33 | Design and Construction of a Low-Force Stylus Probe for On-machine Tool Cutting Edge Measurement. Nanomanufacturing and Metrology, 2020, 3, 282-291. | 3.0 | 8 |
| 34 | An Off-Axis Differential Method for Improvement of a Femtosecond Laser Differential Chromatic Confocal Probe. Applied Sciences (Switzerland), 2020, 10, 7235. | 2.5 | 7 |
| 35 | On-machine angle measurement of a precision V-groove on a ceramic workpiece. CIRP Annals - Manufacturing Technology, 2020, 69, 469-472. | 3.6 | 7 |
| 36 | A differential strategy for measurement of a static force in a single-point diamond cutting by a force-controlled fast tool servo. Measurement Science and Technology, 2020, 31, 074014. | 2.6 | 4 |

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| 37 | Optical Angle Sensor Technology Based on the Optical Frequency Comb Laser. Applied Sciences (Switzerland), 2020, 10, 4047. | 2.5 | 25 |
| 38 | Evaluation of the pitch deviation of a linear scale based on a self-calibration method with a Fizeau interferometer. Measurement Science and Technology, 2020, 31, 094002. | 2.6 | 12 |
| 39 | On-machine profile measurement of a micro cutting edge by using a contact-type compact probe unit. Precision Engineering, 2020, 65, 230-239. | 3.4 | 7 |
| 40 | A new signal processing method for a differential chromatic confocal probe with a mode-locked femtosecond laser. Measurement Science and Technology, 2020, 31, 094004. | 2.6 | 13 |
| 41 | Fabrication of a Two-Dimensional Diffraction Grating with Isolated Photoresist Pattern Structures. International Journal of Automation Technology, 2020, 14, 546-551. | 1.0 | 2 |
| 42 | Design optimization of a non-orthogonal two-axis Lloyd's mirror interferometer for fabrication of large-area two-dimensional scale gratings. Precision Engineering, 2019, 60, 280-290. | 3.4 | 11 |
| 43 | Efficient computational algorithm for optimal continuous experimental designs. Journal of Computational and Applied Mathematics, 2019, 350, 98-113. | 2.0 | 5 |
| 44 | A Design Study of a Heat Flow-Type Reading Head for a Linear Encoder Based on a Micro Thermal Sensor. Nanomanufacturing and Metrology, 2019, 2, 100-110. | 3.0 | 3 |
| 45 | Reduction in Cross-Talk Errors in a Six-Degree-of-Freedom Surface Encoder. Nanomanufacturing and Metrology, 2019, 2, 111-123. | 3.0 | 26 |
| 46 | Integration of a Cr–N Thin-Film Displacement Sensor into an XY Micro-stage for Closed-Loop Nano-positioning. Nanomanufacturing and Metrology, 2019, 2, 131-139. | 3.0 | 12 |
| 47 | A Method for Expansion of Z-Directional Measurement Range in a Mode-Locked Femtosecond Laser Chromatic Confocal Probe. Applied Sciences (Switzerland), 2019, 9, 454. | 2.5 | 11 |
| 48 | Investigation and Improvement of Thermal Stability of a Chromatic Confocal Probe with a Mode-Locked Femtosecond Laser Source. Applied Sciences (Switzerland), 2019, 9, 4084. | 2.5 | 7 |
| 49 | A New Optical Angle Measurement Method Based on Second Harmonic Generation with a Mode-Locked Femtosecond Laser. Nanomanufacturing and Metrology, 2019, 2, 187-198. | 3.0 | 26 |
| 50 | Optical Sensors for Multi-Axis Angle and Displacement Measurement Using Grating Reflectors. Sensors, 2019, 19, 5289. | 3.8 | 36 |
| 51 | Estimation of treatment effects for heterogeneous matchedâ€pairs data with probit models. Scandinavian Journal of Statistics, 2019, 46, 575-594. | 1.4 | 0 |
| 52 | Accurate polarization control in nonorthogonal two-axis Lloyd's mirror interferometer for fabrication of two-dimensional scale gratings. Optical Engineering, 2019, 58, 1. | 1.0 | 5 |
| 53 | Precision Positioning. , 2019, , 1342-1349. | | 0 |
| 54 | Ultra-Precision Micro-Fabrication and Measurement by Using a Multi-Functional Fast Tool Servo FS-FTS. Journal of the Japan Society for Precision Engineering, 2019, 85, 613-617. | 0.1 | 0 |

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| 55 | A chromatic confocal probe with a mode-locked femtosecond laser source. Optics and Laser Technology, 2018, 103, 359-366. | 4.6 | 27 |
| 56 | A stitching linear-scan method for roundness measurement of small cylinders. CIRP Annals - Manufacturing Technology, 2018, 67, 535-538. | 3.6 | 18 |
| 57 | An ultra-precision tool nanoindentation instrument for replication of single point diamond tool cutting edges. Measurement Science and Technology, 2018, 29, 054004. | 2.6 | 14 |
| 58 | Design and testing of a compact non-orthogonal two-axis Lloyd's mirror interferometer for fabrication of large-area two-dimensional scale gratings. Precision Engineering, 2018, 52, 138-151. | 3.4 | 20 |
| 59 | Design and Testing of a Micro-thermal Sensor Probe for Nondestructive Detection of Defects on a Flat Surface. Nanomanufacturing and Metrology, 2018, 1, 45-57. | 3.0 | 10 |
| 60 | Molecular dynamics simulation of elastic–plastic deformation associated with tool–workpiece contact in force sensor–integrated fast tool servo. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 1893-1902. | 2.4 | 8 |
| 61 | A Profile Likelihood Approach for Longitudinal Data Analysis. Biometrics, 2018, 74, 220-228. | 1.4 | 5 |
| 62 | Inhibition of aluminum dust explosion by NaHCO3 with different particle size distributions. Journal of Hazardous Materials, 2018, 344, 902-912. | 12.4 | 108 |
| 63 | Fast evaluation of a linear scale for a linear encoder with a Fizeau interferometer and stitching technique. , 2018, , . | | 1 |
| 64 | Uncertainty Evaluation for Measurements of Pitch Deviation and Out-of-Flatness of Planar Scale Gratings by a Fizeau Interferometer in Littrow Configuration. Applied Sciences (Switzerland), 2018, 8, 2539. | 2.5 | 9 |
| 65 | An ultra-sensitive optical angle sensor for pitch deviation measurement of diffraction gratings. , 2018, , . | | 1 |
| 66 | Evaluation of the grating period based on laser diffraction by using a mode-locked femtosecond laser beam. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2018, 12, JAMDSM0097-JAMDSM0097. | 0.7 | 5 |
| 67 | An optical angle sensor based on chromatic dispersion with a mode-locked laser source. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2018, 12, JAMDSM0096-JAMDSM0096. | 0.7 | 6 |
| 68 | Development of a fiber-laser-based frequency comb for precision dimensional metrology. , 2018, , . | | 0 |
| 69 | Angle measurement using a diffraction of optical frequency comb. , 2018, , . | | 0 |
| 70 | Theoretical calculation of the reading output from a micro thermal sensors for precision positioning. , 2018, , . | | 0 |
| 71 | Measurement and uncertainty analysis of a precision V-shaped ceramic part. , 2018, , . | | 1 |
| 72 | Theoretical investigation on measurement range of a femtosecond laser chromatic confocal probe by utilizing side-lobe of axial response. , 2018, , . | | 0 |

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| 73 | An optical frequency comb operating in the mid-infrared region for wide-range and high-precision optical sensor. , 2018, , . | | 0 |
| 74 | Uncertainty analysis of a six-degree-of-freedom surface encoder for a planar motion stage. Procedia CIRP, 2018, 75, 355-360. | 1.9 | 1 |
| 75 | Crosstalk error analysis of a multi-degree-of-freedom surface encoder for a planar motion stage. , 2018, , . | | Ο |
| 76 | High Resolution Clinometers for Measurement of Roll Error Motion of a Precision Linear Slide. Chinese Journal of Mechanical Engineering (English Edition), 2018, 31, . | 3.7 | 5 |
| 77 | A compact two-axis Lloydâ \in Ms mirror interferometer for scale grating fabrication. , 2018, , . | | Ο |
| 78 | A Liquid-Surface-Based Three-Axis Inclination Sensor for Measurement of Stage Tilt Motions. Sensors, 2018, 18, 398. | 3.8 | 14 |
| 79 | Generalized method for probing ideal initial polarization states in multibeam Lloyd's mirror interference lithography of 2D scale gratings. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 021601. | 1.2 | 8 |
| 80 | A PD-edge method associated with the laser autocollimation for measurement of a focused laser beam diameter. Measurement Science and Technology, 2018, 29, 074006. | 2.6 | 1 |
| 81 | Laser autocollimation based on an optical frequency comb for absolute angular position measurement. Precision Engineering, 2018, 54, 284-293. | 3.4 | 27 |
| 82 | Error Separation Method for Precision Measurement of the Run-Out of a Microdrill Bit by Using a Laser Scan Micrometer Measurement System. Journal of Manufacturing and Materials Processing, 2018, 2, 4. | 2.2 | 27 |
| 83 | High quality-factor quartz tuning fork glass probe used in tapping mode atomic force microscopy for surface profile measurement. Measurement Science and Technology, 2018, 29, 065014. | 2.6 | 6 |
| 84 | Precision Positioning. , 2018, , 1-8. | | 0 |
| 85 | Angle Measurement by Using Optical Frequency Comb. Journal of the Japan Society for Precision Engineering, 2018, 84, 696-700. | 0.1 | Ο |
| 86 | Equivalent homogeneous model of D31-mode longitudinal piezoelectric transducers. Journal of Intelligent Material Systems and Structures, 2017, 28, 2651-2658. | 2.5 | 7 |
| 87 | Precision measurement of Z-slide vertical error motion of an ultra-precision lathe by using three-probe method. International Journal of Precision Engineering and Manufacturing, 2017, 18, 651-660. | 2.2 | 8 |
| 88 | Auto-tracking single point diamond cutting on non-planar brittle material substrates by a high-rigidity force controlled fast tool servo. Precision Engineering, 2017, 49, 253-261. | 3.4 | 35 |
| 89 | Implementation and verification of a four-probe motion error measurement system for a large-scale roll lathe used in hybrid manufacturing. Measurement Science and Technology, 2017, 28, 105004. | 2.6 | 14 |
| 90 | An edge reversal method for precision measurement of cutting edge radius of single point diamond tools. Precision Engineering, 2017, 50, 380-387. | 3.4 | 24 |

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| 91 | An optical lever by using a mode-locked laser for angle measurement. Precision Engineering, 2017, 47, 72-80. | 3.4 | 27 |
| 92 | Optical frequency domain angle measurement in a femtosecond laser autocollimator. Optics Express, 2017, 25, 16725. | 3.4 | 53 |
| 93 | Self-calibration of Fizeau interferometer and planar scale gratings in Littrow setup. Optics Express, 2017, 25, 21567. | 3.4 | 10 |
| 94 | Optimal polarization modulation for orthogonal two-axis Lloyd's mirror interference lithography. Optics Express, 2017, 25, 22237. | 3.4 | 18 |
| 95 | Design and Testing of a Micro Thermal Sensor for Non-Contact Surface Defect Detection. International Journal of Automation Technology, 2017, 11, 781-786. | 1.0 | 5 |
| 96 | A Micro-Coordinate Measurement Machine (CMM) for Large-Scale Dimensional Measurement of Micro-Slits. Applied Sciences (Switzerland), 2016, 6, 156. | 2.5 | 19 |
| 97 | Influences of misalignment errors of optical components in an orthogonal two-axis Lloyd's mirror interferometer. Optics Express, 2016, 24, 27521. | 3.4 | 19 |
| 98 | Mode-locked laser autocollimator with an expanded measurement range. Optics Express, 2016, 24, 15554. | 3.4 | 37 |
| 99 | Ductile cutting of silicon microstructures with surface inclination measurement and compensation by using a force sensor integrated single point diamond tool. Journal of Micromechanics and Microengineering, 2016, 26, 025002. | 2.6 | 28 |
| 100 | Determination of the zero-position for an optical angle sensor. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2016, 10, JAMDSM0072-JAMDSM0072. | 0.7 | 6 |
| 101 | Investigation on the three-dimensional light intensity distribution of the fringe patterns generated by a modified two-axis Lloyd's mirror interferometer. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2016, 10, JAMDSM0080-JAMDSM0080. | 0.7 | 2 |
| 102 | On-line qualification of a micro probing system for precision length measurement of micro-features on precision parts. Measurement Science and Technology, 2016, 27, 074008. | 2.6 | 7 |
| 103 | Nanometrology of an ultraprecision machined surface by using optical sensors. , 2016, , . | | 0 |
| 104 | Micro thermal sensor for nanometric surface defect inspection. , 2016, , . | | 1 |
| 105 | Molecular dynamics simulation of form measurement process of soft materials using atomic force microscope. , 2016, , . | | 0 |
| 106 | Ultra-sensitive angle sensor based on laser autocollimation for measurement of stage tilt motions. Optics Express, 2016, 24, 2788. | 3.4 | 39 |
| 107 | A highly stable noncontact SPM for surface profile measurement and its application to insulating samples. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2016, 10, JAMDSM0081-JAMDSM0081. | 0.7 | 2 |
| 108 | New Encoder Technologies. Journal of the Japan Society for Precision Engineering, 2016, 82, 773-777. | 0.1 | 0 |

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| 109 | Analysis of a Lloyd's mirror interferometer for fabrication of gratings. , 2016, , . | | 2 |
| 110 | Design and testing of an optical configuration for multi-dimensional measurement of a diamond cutting tool. Measurement: Journal of the International Measurement Confederation, 2016, 94, 934-941. | 5.0 | 7 |
| 111 | Uncertainty analysis of slot die coater gap width measurement by using a shear mode micro-probing system. Precision Engineering, 2016, 43, 525-529. | 3.4 | 16 |
| 112 | Molecular dynamics simulation of subnanometric tool-workpiece contact on a force sensor-integrated fast tool servo for ultra-precision microcutting. Applied Surface Science, 2016, 369, 354-365. | 6.1 | 14 |
| 113 | On-machine measurement of microtool wear and cutting edge chipping by using a diamond edge artifact. Precision Engineering, 2016, 43, 462-467. | 3.4 | 30 |
| 114 | Fabrication of two-dimensional micro patterns for adaptive optics by using laser interference lithography. , 2015, , . | | 0 |
| 115 | Measurement technologies for precision positioning. CIRP Annals - Manufacturing Technology, 2015, 64, 773-796. | 3.6 | 397 |
| 116 | Self-evaluation of the cutting edge contour of a microdiamond tool with a force sensor integrated fast tool servo on an ultra-precision lathe. International Journal of Advanced Manufacturing Technology, 2015, 77, 2257-2267. | 3.0 | 18 |
| 117 | Design of a laser autocollimator-based optical sensor with a rangefinder for error correction of precision slide guideways. International Journal of Precision Engineering and Manufacturing, 2015, 16, 423-431. | 2.2 | 13 |
| 118 | Pitch deviation measurement of an involute spur gear by a rotary profiling system. Precision Engineering, 2015, 39, 152-160. | 3.4 | 16 |
| 119 | An in-process measurement method for repair of defective microstructures by using a fast tool servo with a force sensor. Precision Engineering, 2015, 39, 134-142. | 3.4 | 51 |
| 120 | Investigation on Sensitivity of a Contact-Type Thermal Sensor for Surface Defect Inspections. International Journal of Automation Technology, 2015, 9, 291-296. | 1.0 | 3 |
| 121 | Feasibility study on the concept of thermal contact sensor for nanometre-level defect inspections on smooth surfaces. Measurement Science and Technology, 2014, 25, 064006. | 2.6 | 13 |
| 122 | Development of a probing system for a micro-coordinate measuring machine by utilizing shear-force detection. Measurement Science and Technology, 2014, 25, 064011. | 2.6 | 16 |
| 123 | A measurement method of cutting tool position for relay fabrication of microstructured surface. Measurement Science and Technology, 2014, 25, 064018. | 2.6 | 19 |
| 124 | ASPEN 2013 (Taipei). Measurement Science and Technology, 2014, 25, 090301. | 2.6 | 0 |
| 125 | Measurement of six-degree-of-freedom planar motions by using a multiprobe surface encoder. Optical Engineering, 2014, 53, 122405. | 1.0 | 23 |
| 126 | Three-axis vibration measurement by using a grating-interferometric vibrometer. Advanced Optical Technologies, 2014, 3, 435-440. | 1.7 | 2 |

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| 127 | Efficient computational algorithm for optimal allocation in regression models. Journal of Computational and Applied Mathematics, 2014, 261, 118-126. | 2.0 | 7 |
| 128 | Precision evaluation of surface form error of a large-scale roll workpiece on a drum roll lathe. Precision Engineering, 2014, 38, 839-848. | 3.4 | 20 |
| 129 | Self-calibration and compensation of setting errors for surface profile measurement of a microstructured roll workpiece. Chinese Journal of Mechanical Engineering (English Edition), 2014, 27, 14-22. | 3.7 | 7 |
| 130 | A two-axis Lloyd's mirror interferometer for fabrication of two-dimensional diffraction gratings. CIRP Annals - Manufacturing Technology, 2014, 63, 461-464. | 3.6 | 48 |
| 131 | Design and testing of a four-probe optical sensor head for three-axis surface encoder with a mosaic scale grating. Measurement Science and Technology, 2014, 25, 094002. | 2.6 | 22 |
| 132 | Drift reduction in a scanning electrostatic force microscope for surface profile measurement. Measurement Science and Technology, 2014, 25, 094001. | 2.6 | 4 |
| 133 | Role of surfaces and interfaces in solar cell manufacturing. CIRP Annals - Manufacturing Technology, 2014, 63, 797-819. | 3.6 | 28 |
| 134 | A Cr-N thin film displacement sensor for precision positioning of a micro-stage. Sensors and Actuators A: Physical, 2014, 211, 89-97. | 4.1 | 22 |
| 135 | An improved scan mode in an electrostatic force microscope for surface profile measurement of micro-optics. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0051-JAMDSM0051. | 0.7 | 4 |
| 136 | Design of fabrication process of a thermal contact sensor for surface defect inspection. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0052-JAMDSM0052. | 0.7 | 5 |
| 137 | On-machine form measurement of high precision ceramics parts by using a laser displacement sensor. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0048-JAMDSM0048. | 0.7 | 11 |
| 138 | Measurement of contact potential difference and material distribution by using an SEFM. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0050-JAMDSM0050. | 0.7 | 0 |
| 139 | Development of an optical probe for evaluation of tool edge geometry. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0063-JAMDSM0063. | 0.7 | 5 |
| 140 | Optical metrology for precision engineering. Advanced Optical Technologies, 2014, 3, 373-374. | 1.7 | 1 |
| 141 | Measurement of Cutting Edge Width of a Rotary Cutting Tool by Using a Laser Displacement Sensor. International Journal of Automation Technology, 2014, 8, 28-33. | 1.0 | 5 |
| 142 | Experiment of Polarization Forces in Scanning Electrostatic Force Microscopy for Measuring Surface Profile of Dielectric. Open Electrical and Electronic Engineering Journal, 2014, 8, 342-347. | 0.6 | 2 |
| 143 | A six-degree-of-freedom surface encoder for precision positioning of a planar motion stage. Precision Engineering, 2013, 37, 771-781. | 3.4 | 142 |
| 144 | Design and construction of the motion mechanism of an XY micro-stage for precision positioning. Sensors and Actuators A: Physical, 2013, 201, 395-406. | 4.1 | 53 |

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| 145 | Characterization of electrostatic force for scanning electrostatic force microscopy of micro-structured surface. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1543-1549. | 2.2 | 4 |
| 146 | Construction and verification of a linear-rotary microstage with a millimeter-scale range. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1623-1628. | 2.2 | 21 |
| 147 | Surface profile measurement of internal micro-structures. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1535-1541. | 2.2 | 12 |
| 148 | Fabrication of scale gratings for surface encoders by using laser interference lithography with 405 nm laser diodes. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1979-1988. | 2.2 | 12 |
| 149 | Fabrication of large-size SiC mirror with precision aspheric profile for artificial satellite. Precision Engineering, 2013, 37, 640-649. | 3.4 | 39 |
| 150 | Precision tool setting for fabrication of a microstructure array. CIRP Annals - Manufacturing Technology, 2013, 62, 523-526. | 3.6 | 40 |
| 151 | Surface form metrology of micro-optics. Proceedings of SPIE, 2013, , . | 0.8 | 12 |
| 152 | Analysis of the forces in electrostatic force microscopy for profile measurement of micro-structured surface of dielectric. , 2013, , . | | 0 |
| 153 | Fabrication of diffraction gratings for surface encoders by using a Lloyd's mirror interferometer with a 405 nm laser diode. Proceedings of SPIE, 2013, , . | 0.8 | 2 |
| 154 | Modeling and analysis of a scanning electrostatic force microscope for surface profile measurement. , 2013, , . | | 0 |
| 155 | B002 Construction of a surface profile measurement system by using a nanopipette ball probe with shear-force detection. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2013, 2013.7, 159-164. | 0.0 | 1 |
| 156 | C017 Design and Testing of a Four-Probe Sensor Head For a Mosaic Grating Surface Encoder. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2013, 2013.7, 381-384. | 0.0 | 1 |
| 157 | An Electrostatic Force Probe for Surface Profile Measurement in Noncontact Condition. International Journal of Automation Technology, 2013, 7, 714-719. | 1.0 | 3 |
| 158 | Development of a Micro-Sized Thermal Contact Sensor for Inspection of Surface Defects. International Journal of Automation Technology, 2013, 7, 708-713. | 1.0 | 1 |
| 159 | Design and Experiment of Thermal Contact Sensor Detecting Defects on Si Wafer Surface. Key Engineering Materials, 2012, 523-524, 826-831. | 0.4 | 5 |
| 160 | Form Error Characterization of Reflective-Type Gratings. Key Engineering Materials, 2012, 523-524, 859-864. | 0.4 | 2 |
| 161 | Analysis and Measurement of the Dynamic Motions of a Large-Scale Rotating Roll Workpiece. Key Engineering Materials, 2012, 523-524, 847-852. | 0.4 | 2 |
| 162 | Design of a Three-Axis Surface Encoder with a Blue-Ray Laser Diode. Key Engineering Materials, 2012, 523-524, 913-918. | 0.4 | 1 |

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| 163 | Design and Test of a Three-Axis Mosaic Surface Encoder. Key Engineering Materials, 2012, 523-524, 919-924. | 0.4 | 1 |
| 164 | An air-bearing displacement sensor for nanometrology of surface forms. , 2012, , . | | 0 |
| 165 | A scanning-light method for inspection of tool cutting edge. , 2012, , . | | 1 |
| 166 | Edge Contour Measurement of Single Point Diamond Cutting Tools by an Optical Probe. Key Engineering Materials, 2012, 523-524, 925-931. | 0.4 | 1 |
| 167 | Establishment of a measuring station on a diamond turning machine for in-process cutting edge inspection of single point diamond micro-tools. International Journal of Nanomanufacturing, 2012, 8, 106. | 0.3 | 4 |
| 168 | Surface Form Measurement and Analysis of a Cylindrical Workpiece with Microstructures. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2012, 6, 936-948. | 0.7 | 12 |
| 169 | Fabrication of micro-ball styluses for scanning-type surface form metrology. International Journal of Nanomanufacturing, 2012, 8, 87. | 0.3 | 11 |
| 170 | Cutting Edge Height Measurement of a Rotary Cutting Tool by a Laser Displacement Sensor. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2012, 6, 815-828. | 0.7 | 9 |
| 171 | A sub-nanometric three-axis surface encoder with short-period planar gratings for stage motion measurement. Precision Engineering, 2012, 36, 576-585. | 3.4 | 104 |
| 172 | Fast evaluation of period deviation and flatness of a linear scale by using a Fizeau interferometer. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1517-1524. | 2.2 | 5 |
| 173 | Spindle error motion measurement of a large precision roll lathe. International Journal of Precision Engineering and Manufacturing, 2012, 13, 861-867. | 2.2 | 22 |
| 174 | A noncontact scanning electrostatic force microscope for surface profile measurement. CIRP Annals - Manufacturing Technology, 2012, 61, 471-474. | 3.6 | 18 |
| 175 | Precision measurement of carriage slide motion error of a drum roll lathe. Precision Engineering, 2012, 36, 244-251. | 3.4 | 17 |
| 176 | Analysis on the Distribution Regularity of Fire Load in Hotel Buildings. Fire Science and Technology, 2012, 31, 33-48. | 0.5 | 2 |
| 177 | On-Machine Profile Measurement of Large Mirror for Satellite (1st Report). Journal of the Japan Society for Precision Engineering, 2012, 78, 631-635. | 0.1 | 1 |
| 178 | Title is missing!. Journal of the Japan Society for Precision Engineering, 2011, 77, 85-89. | 0.1 | 0 |
| 179 | Experimental investigation of an air-bearing displacement sensor for on-machine surface form measurement of micro-structures. International Journal of Precision Engineering and Manufacturing, 2011, 12, 671-678. | 2.2 | 18 |
| 180 | A Novel Sensorless Control of a Two-Axis Planar Motion Stage for Precision Positioning. Advanced Materials Research, 2011, 189-193, 4121-4125. | 0.3 | 1 |

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