List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Measurement technologies for precision positioning. CIRP Annals - Manufacturing Technology, 2015, 64, 773-796.	3.6	397
2	Precision nano-fabrication and evaluation of a large area sinusoidal grid surface for a surface encoder. Precision Engineering, 2003, 27, 289-298.	3.4	281
3	A six-degree-of-freedom surface encoder for precision positioning of a planar motion stage. Precision Engineering, 2013, 37, 771-781.	3.4	142
4	A surface motor-driven planar motion stage integrated with an XYÎ,Z surface encoder for precision positioning. Precision Engineering, 2004, 28, 329-337.	3.4	125
5	Measurement of multi-degree-of-freedom error motions of a precision linear air-bearing stage. Precision Engineering, 2006, 30, 96-103.	3.4	109
6	Inhibition of aluminum dust explosion by NaHCO3 with different particle size distributions. Journal of Hazardous Materials, 2018, 344, 902-912.	12.4	108
7	Precision measurement of cylinder straightness using a scanning multi-probe system. Precision Engineering, 2002, 26, 279-288.	3.4	104
8	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
9	A new multiprobe method of roundness measurements. Precision Engineering, 1996, 19, 37-45.	3.4	90
10	Design and construction of a two-degree-of-freedom linear encoder for nanometric measurement of stage position and straightness. Precision Engineering, 2010, 34, 145-155.	3.4	84
11	High accuracy profile measurement of a machined surface by the combined method. Measurement: Journal of the International Measurement Confederation, 1996, 19, 55-64.	5.0	77
12	Precision Nanometrology. Springer Series in Advanced Manufacturing, 2010, , .	0.5	70
13	A compact and sensitive two-dimensional angle probe for flatness measurement of large silicon wafers. Precision Engineering, 2002, 26, 396-404.	3.4	68
14	Surface profile measurement of a sinusoidal grid using an atomic force microscope on a diamond turning machine. Precision Engineering, 2007, 31, 304-309.	3.4	66
15	A three-probe system for measuring the parallelism and straightness of a pair of rails for ultra-precision guideways. International Journal of Machine Tools and Manufacture, 2007, 47, 1053-1058.	13.4	65
16	Measurement and compensation of error motions of a diamond turning machine. Precision Engineering, 2007, 31, 310-316.	3.4	63
17	Nanometer edge profile measurement of diamond cutting tools by atomic force microscope with optical alignment sensor. Precision Engineering, 2006, 30, 396-405.	3.4	58
18	Construction and testing of a nanomachining instrument. Precision Engineering, 2000, 24, 320-328.	3.4	54

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19	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
20	Optical frequency domain angle measurement in a femtosecond laser autocollimator. Optics Express, 2017, 25, 16725.	3.4	53
21	Precision positioning of a five degree-of-freedom planar motion stage. Mechatronics, 2005, 15, 969-987.	3.3	52
22	On-Machine Profile Measurement of Machined Surface Using the Combined Three-Point Method JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 1997, 40, 253-259.	0.3	51
23	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
24	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
25	Modeling of Oxidation Kinetics of Y-Doped Fe–Cr–Al Alloys. Oxidation of Metals, 2000, 53, 341-350.	2.1	46
26	Dynamic modeling, controller design and experimental validation of a planar motion stage for precision positioning. Precision Engineering, 2005, 29, 263-271.	3.4	46
27	Detection of three-axis angles by an optical sensor. Sensors and Actuators A: Physical, 2009, 150, 175-183.	4.1	44
28	Development of an optical probe for profile measurement of mirror surfaces. Optical Engineering, 1997, 36, 3360.	1.0	43
29	On-machine measurement of a cylindrical surface with sinusoidal micro-structures by an optical slope sensor. Precision Engineering, 2006, 30, 274-279.	3.4	43
30	Extreme negative rake angle technique for single point diamond nano-cutting of silicon. Precision Engineering, 2001, 25, 165-167.	3.4	41
31	Precision tool setting for fabrication of a microstructure array. CIRP Annals - Manufacturing Technology, 2013, 62, 523-526.	3.6	40
32	Fabrication of large-size SiC mirror with precision aspheric profile for artificial satellite. Precision Engineering, 2013, 37, 640-649.	3.4	39
33	Ultra-sensitive angle sensor based on laser autocollimation for measurement of stage tilt motions. Optics Express, 2016, 24, 2788.	3.4	39
34	Title is missing!. Oxidation of Metals, 2001, 55, 481-504.	2.1	37
35	Mode-locked laser autocollimator with an expanded measurement range. Optics Express, 2016, 24, 15554.	3.4	37
36	Questionnaire Survey on Ultra-Precision Positioning. International Journal of Automation Technology, 2011, 5, 766-772.	1.0	37

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37	Optical Sensors for Multi-Axis Angle and Displacement Measurement Using Grating Reflectors. Sensors, 2019, 19, 5289.	3.8	36
38	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
39	A linear-rotary stage for precision positioning. Precision Engineering, 2010, 34, 301-306.	3.4	32
40	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
41	Position and out-of-straightness measurement of a precision linear air-bearing stage by using a two-degree-of-freedom linear encoder. Measurement Science and Technology, 2010, 21, 054005.	2.6	29
42	Role of surfaces and interfaces in solar cell manufacturing. CIRP Annals - Manufacturing Technology, 2014, 63, 797-819.	3.6	28
43	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
44	An optical lever by using a mode-locked laser for angle measurement. Precision Engineering, 2017, 47, 72-80.	3.4	27
45	A chromatic confocal probe with a mode-locked femtosecond laser source. Optics and Laser Technology, 2018, 103, 359-366.	4.6	27
46	Laser autocollimation based on an optical frequency comb for absolute angular position measurement. Precision Engineering, 2018, 54, 284-293.	3.4	27
47	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
48	Measurement of slide error of an ultra-precision diamond turning machine by using a rotating cylinder workpiece. International Journal of Machine Tools and Manufacture, 2010, 50, 404-410.	13.4	26
49	Reduction in Cross-Talk Errors in a Six-Degree-of-Freedom Surface Encoder. Nanomanufacturing and Metrology, 2019, 2, 111-123.	3.0	26
50	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
51	Experiments Using a Nano-Machining Instrument for Nano-Cutting Brittle Materials. CIRP Annals - Manufacturing Technology, 2000, 49, 439-442.	3.6	25
52	Optical Angle Sensor Technology Based on the Optical Frequency Comb Laser. Applied Sciences (Switzerland), 2020, 10, 4047.	2.5	25
53	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
54	Measurement of six-degree-of-freedom planar motions by using a multiprobe surface encoder. Optical Engineering, 2014, 53, 122405.	1.0	23

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55	Spindle error motion measurement of a large precision roll lathe. International Journal of Precision Engineering and Manufacturing, 2012, 13, 861-867.	2.2	22
56	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
57	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
58	An ultra-precision scanning tunneling microscope <i>Z</i> -scanner for surface profile measurement of large amplitude micro-structures. Measurement Science and Technology, 2011, 22, 085101.	2.6	21
59	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
60	Oxidation Resistance of Boiler Steels with Al ₂ O ₃ –Y ₂ O ₃ Nano- and Micro-Composite Coatings Produced by Sol–Gel Process. Materials Transactions, 2005, 46, 2089-2092.	1.2	20
61	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
62	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
63	Investigation of an optical sensor for small tilt angle detection of a precision linear stage. Measurement Science and Technology, 2010, 21, 054006.	2.6	19
64	A measurement method of cutting tool position for relay fabrication of microstructured surface. Measurement Science and Technology, 2014, 25, 064018.	2.6	19
65	A Micro-Coordinate Measurement Machine (CMM) for Large-Scale Dimensional Measurement of Micro-Slits. Applied Sciences (Switzerland), 2016, 6, 156.	2.5	19
66	Influences of misalignment errors of optical components in an orthogonal two-axis Lloyd's mirror interferometer. Optics Express, 2016, 24, 27521.	3.4	19
67	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
68	A noncontact scanning electrostatic force microscope for surface profile measurement. CIRP Annals - Manufacturing Technology, 2012, 61, 471-474.	3.6	18
69	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
70	Optimal polarization modulation for orthogonal two-axis Lloyd's mirror interference lithography. Optics Express, 2017, 25, 22237.	3.4	18
71	A stitching linear-scan method for roundness measurement of small cylinders. CIRP Annals - Manufacturing Technology, 2018, 67, 535-538.	3.6	18
72	Force measurement in a nanomachining instrument. Review of Scientific Instruments, 2000, 71, 4325.	1.3	17

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73	Precision measurement of carriage slide motion error of a drum roll lathe. Precision Engineering, 2012, 36, 244-251.	3.4	17
74	Improvement of a Fast Tool Control unit for cutting force measurement in diamond turning of micro-lens array. International Journal of Surface Science and Engineering, 2009, 3, 227.	0.4	16
75	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
76	Pitch deviation measurement of an involute spur gear by a rotary profiling system. Precision Engineering, 2015, 39, 152-160.	3.4	16
77	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
78	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
79	An absolute surface encoder with a planar scale grating of variable periods. Precision Engineering, 2021, 67, 36-47.	3.4	15
80	Cutting error measurement of flexspline gears of harmonic speed reducers using laser probes. Precision Engineering, 2004, 28, 358-363.	3.4	14
81	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
82	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
83	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
84	A Liquid-Surface-Based Three-Axis Inclination Sensor for Measurement of Stage Tilt Motions. Sensors, 2018, 18, 398.	3.8	14
85	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
86	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
87	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
88	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
89	Surface profile measurement of internal micro-structures. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1535-1541.	2.2	12
90	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

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91	Surface form metrology of micro-optics. Proceedings of SPIE, 2013, , .	0.8	12
92	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
93	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
94	Fabrication of micro-ball styluses for scanning-type surface form metrology. International Journal of Nanomanufacturing, 2012, 8, 87.	0.3	11
95	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
96	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
97	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
98	Dynamic compensation of modeling uncertainties and disturbances of a precision planar motion stage based on sliding mode observer. International Journal of Advanced Manufacturing Technology, 2010, 46, 899-912.	3.0	10
99	Self-calibration of Fizeau interferometer and planar scale gratings in Littrow setup. Optics Express, 2017, 25, 21567.	3.4	10
100	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
101	An Optical Frequency Domain Angle Measurement Method Based on Second Harmonic Generation. Sensors, 2021, 21, 670.	3.8	10
102	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
103	NANO-CRYSTAL ALLOY AND ALLOY-OXIDE COATINGS AND THEIR HIGH-TEMPERATURE CORROSION PROPERTIES. International Journal of Modern Physics B, 2002, 16, 128-136.	2.0	9
104	A two-degree-of-freedom linear encoder with a mosaic scale grating. International Journal of Nanomanufacturing, 2011, 7, 73.	0.3	9
105	A Micro-Stage for Linear-Rotary Positioning. Key Engineering Materials, 0, 523-524, 650-655.	0.4	9
106	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
107	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
108	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

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109	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
110	Design of a Precision Linear-Rotary Positioning Actuator. Journal of Robotics and Mechatronics, 2006, 18, 803-807.	1.0	9
111	A New Multi-Probe Arrangement for Surface Profile Measurement of Cylinders. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 1531-1537.	0.3	8
112	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
113	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
114	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
115	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
116	Efficient computational algorithm for optimal allocation in regression models. Journal of Computational and Applied Mathematics, 2014, 261, 118-126.	2.0	7
117	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
118	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
119	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
120	Equivalent homogeneous model of D31-mode longitudinal piezoelectric transducers. Journal of Intelligent Material Systems and Structures, 2017, 28, 2651-2658.	2.5	7
121	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
122	An Off-Axis Differential Method for Improvement of a Femtosecond Laser Differential Chromatic Confocal Probe. Applied Sciences (Switzerland), 2020, 10, 7235.	2.5	7
123	On-machine angle measurement of a precision V-groove on a ceramic workpiece. CIRP Annals - Manufacturing Technology, 2020, 69, 469-472.	3.6	7
124	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
125	Measurement of the Straightness of a Leadscrew-Driven Precision Stage. Key Engineering Materials, 2005, 295-296, 259-264.	0.4	6
126	Separation of scanning error motions for surface profile measurement of aspheric micro lens. International Journal of Manufacturing Research, 2006, 1, 267.	0.2	6

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127	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
128	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
129	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
130	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
131	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
132	Slit width Measurement of a Long Precision Slot Die. Journal of the Japan Society for Precision Engineering, 2003, 69, 1013-1017.	0.1	6
133	Cathodic micro-arc electrodeposition of yttrium stabilized zirconia (YSZ) coatings on FeCrAl alloy. Science Bulletin, 2003, 48, 746-750.	1.7	5
134	Precision positioning control of a Sawyer motor-based two-axis planar motion stage. International Journal of Surface Science and Engineering, 2009, 3, 253.	0.4	5
135	Design and Experiment of Thermal Contact Sensor Detecting Defects on Si Wafer Surface. Key Engineering Materials, 2012, 523-524, 826-831.	0.4	5
136	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
137	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
138	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
139	A Profile Likelihood Approach for Longitudinal Data Analysis. Biometrics, 2018, 74, 220-228.	1.4	5
140	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
141	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
142	Efficient computational algorithm for optimal continuous experimental designs. Journal of Computational and Applied Mathematics, 2019, 350, 98-113.	2.0	5
143	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
144	Measurement Range Expansion of Chromatic Confocal Probe with Supercontinuum Light Source. International Journal of Automation Technology, 2021, 15, 529-536.	1.0	5

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145	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
146	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
147	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
148	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
149	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
150	Nano/Micro-Laminated (ZrO2–Y2O3)/(Al2O3–Y2O3) Composite Coatings and Their Oxidation Resistance. Oxidation of Metals, 2007, 68, 1-8.	2.1	4
151	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
152	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
153	Drift reduction in a scanning electrostatic force microscope for surface profile measurement. Measurement Science and Technology, 2014, 25, 094001.	2.6	4
154	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
155	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
156	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
157	Surface Encoders for a Mosaic Scale Grating. International Journal of Automation Technology, 2011, 5, 91-96.	1.0	4
158	Improvement in a Surface Motor-Driven Planar Motion Stage. Journal of Robotics and Mechatronics, 2006, 18, 808-815.	1.0	4
159	Theoretical Investigation for Angle Measurement Based on Femtosecond Maker Fringe. Applied Sciences (Switzerland), 2022, 12, 3702.	2.5	4
160	A Scanning Multi-Probe Straightness Measurement System for Alignment of Linear Collider Accelerator. Key Engineering Materials, 2005, 295-296, 253-258.	0.4	3
161	A double pass surface encoder for measurement of planar motion. International Journal of Surface Science and Engineering, 2007, 1, 80.	0.4	3
162	Effect of substrate on the morphology, crystal structure and property of ZnO thin films. Asia-Pacific Journal of Chemical Engineering, 2007, 2, 388-393.	1.5	3

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163	An Improved Three-Probe Method for Precision Measurement of StraightnessVerbesserung der Drei-Sensoren-Methode für die Präsions-Geradheitsmessung. TM Technisches Messen, 2009, 76, 259-265.	0.7	3
164	New Measurement Concept of Nanometer-Level Defects on Si Wafer Surface by Using Micro Contact Sensor. Advanced Materials Research, 0, 497, 137-141.	0.3	3
165	Cr-N Strain-Gauge-Type Precision Displacement Sensor for Measuring Positions of Micro Stage. Key Engineering Materials, 0, 523-524, 939-944.	0.4	3
166	Dynamic Response of an Air-Bearing Displacement Sensor for on-Machine Surface Form Measurement. Key Engineering Materials, 0, 523-524, 836-841.	0.4	3
167	Eccentric Error Compensation for Pitch Deviation Measurement of Gears. Key Engineering Materials, 0, 523-524, 853-858.	0.4	3
168	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
169	An Electrostatic Force Probe for Surface Profile Measurement in Noncontact Condition. International Journal of Automation Technology, 2013, 7, 714-719.	1.0	3
170	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
171	Optical Analysis of an Optical Probe for Three-Dimensional Position Detection of Micro-Objects. International Journal of Automation Technology, 2011, 5, 862-865.	1.0	3
172	A New Optical Configuration for the Surface Encoder with an Expanded Z-Directional Measuring Range. Sensors, 2022, 22, 3010.	3.8	3
173	Influence of Surface Tilt Angle on a Chromatic Confocal Probe with a Femtosecond Laser. Applied Sciences (Switzerland), 2022, 12, 4736.	2.5	3
174	A Precision Instrument for 3D Edge Profile Measurement of Single Point Diamond Micro-Cutting Tools. Journal of the Japan Society for Precision Engineering, 2009, 75, 892-896.	0.1	2
175	A high speed and compact system for profile measurement of scroll compressors. International Journal of Precision Engineering and Manufacturing, 2009, 10, 27-32.	2.2	2
176	Form Error Characterization of Reflective-Type Gratings. Key Engineering Materials, 2012, 523-524, 859-864.	0.4	2
177	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
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179	Three-axis vibration measurement by using a grating-interferometric vibrometer. Advanced Optical Technologies, 2014, 3, 435-440.	1.7	2
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