

Peter Kinnell

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

356
citations

759055

12
h-index

839398

18
g-index

33
all docs

33
docs citations

33
times ranked

312
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface finishing of intricate metal mould structures by large-area electron beam irradiation. Precision Engineering, 2013, 37, 443-450.	1.8	48
2	Advances in Silicon Resonant Pressure Transducers. Procedia Chemistry, 2009, 1, 104-107.	0.7	40
3	A hollow stiffening structure for low-pressure sensors. Sensors and Actuators A: Physical, 2010, 160, 35-41.	2.0	27
4	Soluble Abrasives for Waterjet Machining. Materials and Manufacturing Processes, 2014, 29, 1346-1352.	2.7	23
5	Inspecting manufacturing precision of 3D printed concrete parts based on geometric dimensioning and tolerancing. Automation in Construction, 2020, 117, 103233.	4.8	22
6	A dry single-step process for the manufacture of released MEMS structures. Journal of Micromechanics and Microengineering, 2003, 13, 790-794.	1.5	20
7	Performance Assessment of a New Variable Stiffness Probing System for Micro-CMMs. Sensors, 2016, 16, 492.	2.1	19
8	Autonomous metrology for robot mounted 3D vision systems. CIRP Annals - Manufacturing Technology, 2017, 66, 483-486.	1.7	18
9	Abnormality detection strategies for surface inspection using robot mounted laser scanners. Mechatronics, 2018, 51, 59-74.	2.0	18
10	Plastic Deformation of Micromachined Silicon Diaphragms with a Sealed Cavity at High Temperatures. Sensors, 2016, 16, 204.	2.1	16
11	Physical characterisation of selective stress coupling for resonant pressure sensors. Sensors and Actuators A: Physical, 2004, 115, 230-234.	2.0	14
12	Variable stiffness probing systems for micro-coordinate measuring machines. Precision Engineering, 2016, 43, 262-269.	1.8	13
13	Fabrication and characterisation of a novel smart suspension for micro-CMM probes. Sensors and Actuators A: Physical, 2015, 232, 368-375.	2.0	9
14	Novel metrics and methodology for the characterisation of 3D imaging systems. Optics and Lasers in Engineering, 2017, 91, 169-177.	2.0	9
15	Virtual Reality Study of Human Adaptability in Industrial Human-Robot Collaboration. , 2020, , .		7
16	The creep behaviour of the microfabricated silicon diaphragms at 900Â°C. Microelectronic Engineering, 2010, 87, 1213-1216.	1.1	6
17	High precision self-alignment using liquid surface tension for additively manufactured micro components. Precision Engineering, 2015, 40, 230-240.	1.8	6
18	From Light to Displacement: A Design Framework for Optimising Spectral-Domain Low-Coherence Interferometric Sensors for In Situ Measurement. Applied Sciences (Switzerland), 2020, 10, 8590.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Lensless fiber-deployed low-coherence interferometer for in-situ measurements in nonideal environments. <i>Optical Engineering</i> , 2020, 59, 1.	0.5	6
20	Evaluation Tip Cleaning for a Micro CMM Touch Trigger Stylus Sensor. <i>Procedia Engineering</i> , 2012, 47, 306-309.	1.2	5
21	Characterization of a micro-engineered selective strain-coupling structure using Raman spectroscopy. <i>Journal of Micromechanics and Microengineering</i> , 2005, 15, 807-811.	1.5	3
22	Fabrication of a Smart Suspension Structure of Micro Tactile Probing. <i>Procedia Engineering</i> , 2014, 87, 1164-1167.	1.2	3
23	Characterizing the influence of surface roughness and inclination on 3D vision sensor performance. , 2015, , .		3
24	Pragmatic Micrometre to Millimetre Calibration Using Multiple Methods for Low-Coherence Interferometer in Embedded Metrology Applications. <i>Sensors</i> , 2021, 21, 5101.	2.1	3
25	Rapid Manufacturing of Micro Devices with Integral Electrical Tracks. <i>Procedia Engineering</i> , 2012, 47, 734-737.	1.2	2
26	The Unpredictable Errors of Micro Tactile Metrology – Factors Affecting Stylus tip Contamination. <i>Measurement Science Review</i> , 2013, 13, 305-310.	0.6	2
27	The suitability of lightfield camera depth maps for coordinate measurement applications. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
28	Establishing the performance of low-cost Lytro cameras for 3D coordinate geometry measurements. <i>Machine Vision and Applications</i> , 2019, 30, 615-627.	1.7	2
29	Detecting Changes and Avoiding Catastrophic Forgetting in Dynamic Partially Observable Environments. <i>Frontiers in Neurorobotics</i> , 2020, 14, 578675.	1.6	2
30	Performance Evaluation of a Robot-Mounted Interferometer for an Industrial Environment. <i>Sensors</i> , 2020, 20, 257.	2.1	1
31	Special Issue on Manufacturing Metrology. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10660.	1.3	1
32	A Hollow Stiffening Structure for Low Pressure Sensors. <i>Procedia Chemistry</i> , 2009, 1, 100-103.	0.7	0
33	A Data-Driven Method for Predicting Deformation of Machined Parts Using Sparse Monitored Deformation Data. <i>Advances in Transdisciplinary Engineering</i> , 2021, , .	0.1	0