

Simon Fletcher

List of Publications by Year in descending order

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19
papers

627
citations

840776

11
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital System Performance Enhancement of a Tent Map-Based ADC for Monitoring Photovoltaic Systems. <i>Electronics (Switzerland)</i> , 2020, 9, 1554.	3.1	2
2	A Non-linear Tent Map-Based ADC Design for Sensitive Condition Monitoring Measurement Systems. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 893-902.	0.6	0
3	A cuckoo search optimisation-based Grey prediction model for thermal error compensation on CNC machine tools. <i>Grey Systems Theory and Application</i> , 2017, 7, 146-155.	2.1	11
4	3D Visual Tracking of an Articulated Robot in Precision Automated Tasks. <i>Sensors</i> , 2017, 17, 104.	3.8	6
5	Thermal error modelling of a gantry-type 5-axis machine tool using a Grey Neural Network Model. <i>Journal of Manufacturing Systems</i> , 2016, 41, 130-142.	13.9	78
6	A new strategy for improving vision based tracking accuracy based on utilization of camera calibration information. , 2016, , .		1
7	Performance characterisation of a new photo-microsensor based sensing head for displacement measurement. <i>Sensors and Actuators A: Physical</i> , 2016, 238, 60-70.	4.1	16
8	The application of ANFIS prediction models for thermal error compensation on CNC machine tools. <i>Applied Soft Computing Journal</i> , 2015, 27, 158-168.	7.2	219
9	Thermal error modelling of machine tools based on ANFIS with fuzzy c-means clustering using a thermal imaging camera. <i>Applied Mathematical Modelling</i> , 2015, 39, 1837-1852.	4.2	123
10	A novel approach for ANFIS modelling based on Grey system theory for thermal error compensation. , 2014, , .		4
11	Deployment and evaluation of a dual-sensor autofocusing method for on-machine measurement of patterns of small holes on freeform surfaces. <i>Applied Optics</i> , 2014, 53, 2246.	1.8	2
12	Impact of measurement procedure when error mapping and compensating a small CNC machine using a multilateration laser interferometer. <i>Precision Engineering</i> , 2014, 38, 578-588.	3.4	47
13	Rapid and accurate reverse engineering of geometry based on a multi-sensor system. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 74, 369-382.	3.0	23
14	A practical coordinate unification method for integrated tactile“optical measuring system. <i>Optics and Lasers in Engineering</i> , 2014, 55, 189-196.	3.8	13
15	Analysing and evaluating a dual-sensor autofocusing method for measuring the position of patterns of small holes on complex curved surfaces. <i>Sensors and Actuators A: Physical</i> , 2014, 210, 86-94.	4.1	3
16	Performance evaluation of a new taut wire system for straightness measurement of machine tools. <i>Precision Engineering</i> , 2014, 38, 492-498.	3.4	11
17	Model-based expert system to automatically adapt milling forces in Pareto optimal multi-objective working points. <i>Expert Systems With Applications</i> , 2013, 40, 2312-2322.	7.6	19
18	New low cost sensing head and taut wire method for automated straightness measurement of machine tool axes. <i>Optics and Lasers in Engineering</i> , 2013, 51, 978-985.	3.8	11

#	ARTICLE	IF	CITATIONS
19	Efficient thermal error prediction in a machine tool using finite element analysis. Measurement Science and Technology, 2011, 22, 085107.	2.6	38