

# Simon Fletcher

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The application of ANFIS prediction models for thermal error compensation on CNC machine tools. Applied Soft Computing Journal, 2015, 27, 158-168.	7.2	219
2	Thermal error modelling of machine tools based on ANFIS with fuzzy c-means clustering using a thermal imaging camera. Applied Mathematical Modelling, 2015, 39, 1837-1852.	4.2	123
3	Thermal error modelling of a gantry-type 5-axis machine tool using a Grey Neural Network Model. Journal of Manufacturing Systems, 2016, 41, 130-142.	13.9	78
4	Impact of measurement procedure when error mapping and compensating a small CNC machine using a multilateration laser interferometer. Precision Engineering, 2014, 38, 578-588.	3.4	47
5	Efficient thermal error prediction in a machine tool using finite element analysis. Measurement Science and Technology, 2011, 22, 085107.	2.6	38
6	Rapid and accurate reverse engineering of geometry based on a multi-sensor system. International Journal of Advanced Manufacturing Technology, 2014, 74, 369-382.	3.0	23
7	Model-based expert system to automatically adapt milling forces in Pareto optimal multi-objective working points. Expert Systems With Applications, 2013, 40, 2312-2322.	7.6	19
8	Performance characterisation of a new photo-microsensor based sensing head for displacement measurement. Sensors and Actuators A: Physical, 2016, 238, 60-70.	4.1	16
9	A practical coordinate unification method for integrated tactile-optical measuring system. Optics and Lasers in Engineering, 2014, 55, 189-196.	3.8	13
10	New low cost sensing head and taut wire method for automated straightness measurement of machine tool axes. Optics and Lasers in Engineering, 2013, 51, 978-985.	3.8	11
11	Performance evaluation of a new taut wire system for straightness measurement of machine tools. Precision Engineering, 2014, 38, 492-498.	3.4	11
12	A cuckoo search optimisation-based Grey prediction model for thermal error compensation on CNC machine tools. Grey Systems Theory and Application, 2017, 7, 146-155.	2.1	11
13	3D Visual Tracking of an Articulated Robot in Precision Automated Tasks. Sensors, 2017, 17, 104.	3.8	6
14	A novel approach for ANFIS modelling based on Grey system theory for thermal error compensation. , 2014, , .		4
15	Analysing and evaluating a dual-sensor autofocusing method for measuring the position of patterns of small holes on complex curved surfaces. Sensors and Actuators A: Physical, 2014, 210, 86-94.	4.1	3
16	Deployment and evaluation of a dual-sensor autofocusing method for on-machine measurement of patterns of small holes on freeform surfaces. Applied Optics, 2014, 53, 2246.	1.8	2
17	Digital System Performance Enhancement of a Tent Map-Based ADC for Monitoring Photovoltaic Systems. Electronics (Switzerland), 2020, 9, 1554.	3.1	2
18	A new strategy for improving vision based tracking accuracy based on utilization of camera calibration information. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	A Non-linear Tent Map-Based ADC Design for Sensitive Condition Monitoring Measurement Systems. Smart Innovation, Systems and Technologies, 2020, , 893-902.	0.6	0