

Thomas Kissinger

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

197
citations

1306789

7
h-index

1058022

14
g-index

30
all docs

30
docs citations

30
times ranked

84
citing authors

#	ARTICLE	IF	CITATIONS
1	Range-resolved interferometric signal processing using sinusoidal optical frequency modulation. Optics Express, 2015, 23, 9415.	1.7	45
2	Dynamic Fiber-Optic Shape Sensing Using Fiber Segment Interferometry. Journal of Lightwave Technology, 2018, 36, 917-925.	2.7	26
3	Fiber Segment Interferometry for Dynamic Strain Measurements. Journal of Lightwave Technology, 2016, 34, 4620-4626.	2.7	24
4	High sensitivity pressure measurement using optical fibre sensors mounted on a composite diaphragm. Optics Express, 2021, 29, 4105.	1.7	14
5	Fibre segment interferometry using code-division multiplexed optical signal processing for strain sensing applications. Measurement Science and Technology, 2013, 24, 094011.	1.4	13
6	Application of fibre optic sensing systems to measure rotor blade structural dynamics. Mechanical Systems and Signal Processing, 2021, 158, 107758.	4.4	13
7	Nonequilibrium wetting of finite samples. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P06002.	0.9	12
8	Workpiece positioning sensor (wPOS): A three-degree-of-freedom relative end-effector positioning sensor for robotic manufacturing. Procedia CIRP, 2019, 79, 620-625.	1.0	8
9	In-process range-resolved interferometric (RRI) 3D layer height measurements for wire+arc additive manufacturing (WAAM). Measurement Science and Technology, 2022, 33, 044002.	1.4	8
10	Three-dimensional interferometric stage encoder using a single access port. Optics and Lasers in Engineering, 2021, 137, 106342.	2.0	6
11	Correction of periodic displacement non-linearities by two-wavelength interferometry. Measurement Science and Technology, 2021, 32, 125202.	1.4	6
12	Polarization-sensitive transfer matrix modeling for displacement measuring interferometry. Applied Optics, 2020, 59, 7694.	0.9	6
13	Simultaneous laser vibrometry on multiple surfaces with a single beam system using range-resolved interferometry. , 2015, , .		5
14	Fibre-optic measurement of strain and shape on a helicopter rotor blade during a ground run: 1. Measurement of strain. Smart Materials and Structures, 2022, 31, 075014.	1.8	4
15	Fibre-optic measurement of strain and shape on a helicopter rotor blade during a ground run: 2. Measurement of shape. Smart Materials and Structures, 2022, 31, 075015.	1.8	3
16	Ground vibration testing of a helicopter rotor blade using optical fibre sensors. , 2019, , .		2
17	Differential displacement measurements along a single beam using range-resolved interferometry. , 2019, , .		1
18	Multiple intensity reference interferometry for the correction of sub-fringe displacement non-linearities. Measurement Science and Technology, 2022, 33, 025201.	1.4	1

#	ARTICLE	IF	CITATIONS
19	Range-resolved single-sideband optical fibre interferometry for quasi-distributed dynamic strain sensing. , 2012, , .		0
20	Range-resolved signal processing for fibre segment interferometry applied to dynamic long-gauge length strain sensing. Proceedings of SPIE, 2015, , .	0.8	0
21	Characterisation of a cryostat using simultaneous, single-beam multiple-surface laser vibrometry. AIP Conference Proceedings, 2016, , .	0.3	0
22	Multiplexing curvature sensors using fibre segment interferometry for lateral vibration measurements. Proceedings of SPIE, 2017, , .	0.8	0
23	Simultaneous optical interrogation of multiple tuning fork resonators using range-resolved interferometry. , 2017, , .		0
24	Live demonstration: Simultaneous optical interrogation of multiple tuning fork resonators using range-resolved interferometry. , 2017, , .		0
25	Fibre-coupled, multiplexed methane detection using range-resolved interferometry. JPhys Photonics, 2021, 3, 02LT01.	2.2	0
26	Interferometric fibre-optic curvature sensing for structural, directional vibration measurements. Proceedings of SPIE, 2017, , .	0.8	0
27	Multi degree-of-freedom position sensing by combination of laser speckle correlation and range-resolved interferometry. , 2019, , .		0
28	Two-dimensional remote interferometric stage encoder through a single access port using range-resolved interferometry. , 2019, , .		0
29	A comparison of topologies used in an interferometric gas detection technique. , 2020, , .		0
30	Comparison of FBG and Interferometric Surface Mounted Optical Fibre Pressure Sensor. , 2021, , .		0