

Miroslava Hola

List of Publications by Year in descending order

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45
papers

154
citations

1307594

7
h-index

1125743

13
g-index

46
all docs

46
docs citations

46
times ranked

100
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact differential plane interferometer with in-axis mirror tilt detection. Optics and Lasers in Engineering, 2021, 141, 106568.	3.8	3
2	Laser-interferometric nanometre comparator for length gauge calibration in advanced manufacturing. , 2021, , .		0
3	Simple and Efficient AlN-Based Piezoelectric Energy Harvesters. Micromachines, 2020, 11, 143.	2.9	17
4	Laser spectroscopy references based on hollow-core photonic crystal fibers. , 2020, , .		0
5	Comparison of three focus sensors for optical topography measurement of rough surfaces. Optics Express, 2019, 27, 33459.	3.4	8
6	Influence of coating technology and thermal annealing on the optical performance of AR coatings in iodine-filled absorption cells. Optics Express, 2019, 27, 9361.	3.4	1
7	Using spatial light modulator for correction of wavefront reflected from optically rough surface. , 2018, , .		0
8	Linearized and compensated interferometric system for high-velocity traceable length calibration on a metre scale. , 2018, , .		1
9	Optical fiber sensors measurement system and special fibers improvement. , 2017, , .		0
10	Iodine Absorption Cells Purity Testing. Sensors, 2017, 17, 102.	3.8	5
11	Iodine absorption cells quality evaluation. , 2016, , .		0
12	Compact interferometric displacement gauge with sub-nanometer resolution and milimeter range. , 2016, , .		0
13	Coordinate interferometric system for measuring the position of a sample with infrared telecom laser diode. Proceedings of SPIE, 2016, , .	0.8	0
14	Iodine absorption cells quality measurements. , 2016, , .		0
15	Iodine absorption cells quality evaluation methods. , 2016, , .		1
16	Digital algorithms for parallel pipelined single-detector homodyne fringe counting in laser interferometry. Proceedings of SPIE, 2016, , .	0.8	0
17	Hollow-core photonic-crystal-fiber-based optical frequency references. Proceedings of SPIE, 2016, , .	0.8	0
18	Self-referenced interferometer for form measurement of hollow cylinders. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Deformable mirror for high power laser applications. , 2015, , .		2
20	Advanced interferometry systems for dimensional measurement in nanometrology. Proceedings of SPIE, 2015, , .	0.8	0
21	Self-referenced interferometer for cylindrical surfaces. Applied Optics, 2015, 54, 9930.	2.1	4
22	Preparation of optical frequency references based on gas filled hollow core photonics crystal fibers. Proceedings of SPIE, 2015, , .	0.8	0
23	Air flow and length noise in displacement interferometry. Proceedings of SPIE, 2015, , .	0.8	1
24	Industrial interferometry systems for multi-axis measurement. Proceedings of SPIE, 2015, , .	0.8	0
25	Contribution of the Refractive Index Fluctuations to the Length Noise in Displacement Interferometry. Measurement Science Review, 2015, 15, 263-267.	1.0	3
26	Interferometry within a resonant cavity with standing wave detection. , 2014, , .		0
27	Spectral properties of molecular iodine in absorption cells filled to specified saturation pressure. Applied Optics, 2014, 53, 7435.	2.1	15
28	Comparison of Molecular Iodine Spectral Properties at 514.7 and 532 nm Wavelengths. Measurement Science Review, 2014, 14, 213-218.	1.0	4
29	Interferometry with Stabilization of Wavelength within a Fixed Measuring Range. , 2014, , 645-648.		0
30	Spectral properties of iodine cells for laser standards. , 2014, , .		0
31	In-beam tracking refractometry for coordinate interferometric measurement. , 2014, , .		0
32	Displacement measurement with intracavity interferometry. , 2014, , .		0
33	Spectral Properties of Saturation Pressure Filled Iodine Absorption Cells. , 2014, , 839-842.		0
34	Six-axis interferometric coordinates measurement system for nanometrology. Proceedings of SPIE, 2014, , .	0.8	0
35	Interferometry in a passive Fabry-Perot cavity with the detection of a standing wave. , 2014, , .		0
36	Position sensing with suppression of the drift of the refractive index of air for high resolution interferometry. , 2014, , .		0

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37	Frequency Noise Properties of Lasers for Interferometry in Nanometrology. Sensors, 2013, 13, 2206-2219.	3.8	28
38	Precision positioning with suppression of the influence of refractive index of air. , 2013, , .		0
39	Interferometric system with tracking refractometry capability in the measuring axis. Measurement Science and Technology, 2013, 24, 067001.	2.6	3
40	Interferometry with suppression of fast fluctuations of the refractive index of air for nanometrology. , 2013, , .		0
41	Precision displacement interferometry with stabilization of wavelength on air. EPJ Web of Conferences, 2013, 48, 00014.	0.3	0
42	Investigation of Short-term Amplitude and Frequency Fluctuations of Lasers for Interferometry. Measurement Science Review, 2013, 13, 63-69.	1.0	13
43	Displacement interferometry with stabilization of wavelength in air. Optics Express, 2012, 20, 27830.	3.4	21
44	Refractive Index Compensation in Over-Determined Interferometric Systems. Sensors, 2012, 12, 14084-14094.	3.8	24
45	Displacement measurement with over-determined interferometer. , 2012, , .		0