

Miroslava Hola

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

154
citations

1307594

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1125743

13
g-index

46
all docs

46
docs citations

46
times ranked

100
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency Noise Properties of Lasers for Interferometry in Nanometrology. <i>Sensors</i> , 2013, 13, 2206-2219.	3.8	28
2	Refractive Index Compensation in Over-Determined Interferometric Systems. <i>Sensors</i> , 2012, 12, 14084-14094.	3.8	24
3	Displacement interferometry with stabilization of wavelength in air. <i>Optics Express</i> , 2012, 20, 27830.	3.4	21
4	Simple and Efficient AlN-Based Piezoelectric Energy Harvesters. <i>Micromachines</i> , 2020, 11, 143.	2.9	17
5	Spectral properties of molecular iodine in absorption cells filled to specified saturation pressure. <i>Applied Optics</i> , 2014, 53, 7435.	2.1	15
6	Investigation of Short-term Amplitude and Frequency Fluctuations of Lasers for Interferometry. <i>Measurement Science Review</i> , 2013, 13, 63-69.	1.0	13
7	Comparison of three focus sensors for optical topography measurement of rough surfaces. <i>Optics Express</i> , 2019, 27, 33459.	3.4	8
8	Iodine Absorption Cells Purity Testing. <i>Sensors</i> , 2017, 17, 102.	3.8	5
9	Comparison of Molecular Iodine Spectral Properties at 514.7 and 532 nm Wavelengths. <i>Measurement Science Review</i> , 2014, 14, 213-218.	1.0	4
10	Self-referenced interferometer for cylindrical surfaces. <i>Applied Optics</i> , 2015, 54, 9930.	2.1	4
11	Interferometric system with tracking refractometry capability in the measuring axis. <i>Measurement Science and Technology</i> , 2013, 24, 067001.	2.6	3
12	Compact differential plane interferometer with in-axis mirror tilt detection. <i>Optics and Lasers in Engineering</i> , 2021, 141, 106568.	3.8	3
13	Contribution of the Refractive Index Fluctuations to the Length Noise in Displacement Interferometry. <i>Measurement Science Review</i> , 2015, 15, 263-267.	1.0	3
14	Deformable mirror for high power laser applications. , 2015, , .		2
15	Air flow and length noise in displacement interferometry. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
16	Iodine absorption cells quality evaluation methods. , 2016, , .		1
17	Linearized and compensated interferometric system for high-velocity traceable length calibration on a metre scale. , 2018, , .		1
18	Influence of coating technology and thermal annealing on the optical performance of AR coatings in iodine-filled absorption cells. <i>Optics Express</i> , 2019, 27, 9361.	3.4	1

#	ARTICLE	IF	CITATIONS
19	Displacement measurement with over-determined interferometer. , 2012, , .		0
20	Precision positioning with suppression of the influence of refractive index of air. , 2013, , .		0
21	Interferometry with suppression of fast fluctuations of the refractive index of air for nanometrology. , 2013, , .		0
22	Precision displacement interferometry with stabilization of wavelength on air. EPJ Web of Conferences, 2013, 48, 00014.	0.3	0
23	Interferometry within a resonant cavity with standing wave detection. , 2014, , .		0
24	Interferometry with Stabilization of Wavelength within a Fixed Measuring Range. , 2014, , 645-648.		0
25	Spectral properties of iodine cells for laser standards. , 2014, , .		0
26	In-beam tracking refractometry for coordinate interferometric measurement. , 2014, , .		0
27	Displacement measurement with intracavity interferometry. , 2014, , .		0
28	Spectral Properties of Saturation Pressure Filled Iodine Absorption Cells. , 2014, , 839-842.		0
29	Six-axis interferometric coordinates measurement system for nanometrology. Proceedings of SPIE, 2014, , .	0.8	0
30	Interferometry in a passive Fabry-Perot cavity with the detection of a standing wave. , 2014, , .		0
31	Position sensing with suppression of the drift of the refractive index of air for high resolution interferometry. , 2014, , .		0
32	Advanced interferometry systems for dimensional measurement in nanometrology. Proceedings of SPIE, 2015, , .	0.8	0
33	Preparation of optical frequency references based on gas filled hollow core photonics crystal fibers. Proceedings of SPIE, 2015, , .	0.8	0
34	Industrial interferometry systems for multi-axis measurement. Proceedings of SPIE, 2015, , .	0.8	0
35	Iodine absorption cells quality evaluation. , 2016, , .		0
36	Compact interferometric displacement gauge with sub-nanometer resolution and milimeter range. , 2016, , .		0

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37	Coordinate interferometric system for measuring the position of a sample with infrared telecom laser diode. Proceedings of SPIE, 2016, , .	0.8	0
38	Iodine absorption cells quality measurements. , 2016, , .		0
39	Optical fiber sensors measurement system and special fibers improvement. , 2017, , .		0
40	Digital algorithms for parallel pipelined single-detector homodyne fringe counting in laser interferometry. Proceedings of SPIE, 2016, , .	0.8	0
41	Hollow-core photonic-crystal-fiber-based optical frequency references. Proceedings of SPIE, 2016, , .	0.8	0
42	Self-referenced interferometer for form measurement of hollow cylinders. , 2016, , .		0
43	Using spatial light modulator for correction of wavefront reflected from optically rough surface. , 2018, , .		0
44	Laser spectroscopy references based on hollow-core photonic crystal fibers. , 2020, , .		0
45	Laser-interferometric nanometre comparator for length gauge calibration in advanced manufacturing. , 2021, , .		0