

Yuanlong Fan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

272
citations

1163117

8
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

184
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the measurement performance for a self-mixing interferometry-based displacement sensing system. <i>Applied Optics</i> , 2011, 50, 5064.	2.1	109
2	Ultrafast Fully Photonic Random Bit Generator. <i>Journal of Lightwave Technology</i> , 2018, 36, 2531-2540.	4.6	40
3	Dynamic stability analysis for a self-mixing interferometry system. <i>Optics Express</i> , 2014, 22, 29260.	3.4	18
4	All-Optical Comparator With a Step-Like Transfer Function. <i>Journal of Lightwave Technology</i> , 2017, 35, 5034-5040.	4.6	12
5	Self-balanced real-time photonic scheme for ultrafast random number generation. <i>APL Photonics</i> , 2018, 3, 061301.	5.7	12
6	Simple method for measuring the linewidth enhancement factor of semiconductor lasers. <i>Applied Optics</i> , 2015, 54, 10295.	2.1	11
7	Characteristics of microwave photonic signal generation using vertical-cavity surface-emitting lasers with optical injection and feedback. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 1394.	2.1	11
8	Features of a Self-Mixing Laser Diode Operating Near Relaxation Oscillation. <i>Sensors</i> , 2016, 16, 1546.	3.8	9
9	Transverse mode locking of different frequency-degenerate families based on annular beam pumping. <i>Optics Letters</i> , 2021, 46, 3195.	3.3	9
10	Numerical Investigation on Feedback Insensitivity in Semiconductor Nanolasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-7.	2.9	8
11	Design of Room Temperature Electrically Pumped Visible Semiconductor Nanolasers. <i>IEEE Journal of Quantum Electronics</i> , 2018, 54, 1-7.	1.9	7
12	Linewidth Sharpening in Optical Frequency Combs via a Gain Switched Semiconductor Laser With External Optical Feedback. <i>Journal of Lightwave Technology</i> , 2021, 39, 105-111.	4.6	7
13	Continuous In-Line Chromium Coating Thickness Measurement Methodologies: An Investigation of Current and Potential Technology. <i>Sensors</i> , 2021, 21, 3340.	3.8	5
14	Eliminating influence of transient oscillations on a self-mixing interferometry. <i>Optical Engineering</i> , 2016, 55, 104102.	1.0	4
15	A displacement reconstruction algorithm used for optical feedback self mixing interferometry system under different feedback levels. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
16	Measuring Young's modulus using a self-mixing laser diode. , 2014, , .		2
17	An estimation method for feedback level factor C of a self-mixing interferometry system. , 2010, , .		1
18	Stability Limit of a Semiconductor Laser With Optical Feedback. <i>IEEE Journal of Quantum Electronics</i> , 2015, 51, 1-9.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Self-mixing interferometry and its applications. , 2016, , .		1
20	Enhanced narrowband mid-IR thermal radiation enabled by plasmonic stacked gratings. OSA Continuum, 2021, 4, 2481.	1.8	1
21	Ultrashort pulse generation in a semiconductor laser with strong coherent optical feedback. IET Optoelectronics, 2019, 13, 36-39.	3.3	1
22	Design and optical characterization of an efficient polarized organic light emitting diode based on refractive index modulation in the emitting layer. Optics Express, 2020, 28, 40131.	3.4	1
23	Influence of the nonlinear gain on the stability limit of a semiconductor laser with external feedback. , 2014, , .		0
24	A novel normalization method for improving the sensing performance of a self-mixing interferometry. , 2015, , .		0
25	Analysis on the transient of a self-mixing interferometry sensing system. , 2015, , .		0
26	Low Threshold Gain Visible Semiconductor Nanolasers. , 2019, , .		0