

Mykola Kulishov

List of Publications by Year in descending order

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34
papers

1,162
citations

567281

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501196

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36
all docs

36
docs citations

36
times ranked

626
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonreciprocal waveguide Bragg gratings. Optics Express, 2005, 13, 3068.	3.4	205
2	Ultrafast all-optical differentiators. Optics Express, 2006, 14, 10699.	3.4	183
3	Temporal differentiation of optical signals using a phase-shifted fiber Bragg grating. Optics Express, 2007, 15, 371.	3.4	159
4	Long-period fiber gratings as ultrafast optical differentiators. Optics Letters, 2005, 30, 2700.	3.3	126
5	Design of high-order all-optical temporal differentiators based on multiple-phase-shifted fiber Bragg gratings. Optics Express, 2007, 15, 6152.	3.4	63
6	Terahertz-bandwidth high-order temporal differentiators based on phase-shifted long-period fiber gratings. Optics Letters, 2009, 34, 3116.	3.3	50
7	Theory and practice of long-period gratings: when a loss becomes a gain. Optics Letters, 2003, 28, 686.	3.3	41
8	Trapping light in a ring resonator using a grating-assisted coupler with asymmetric transmission. Optics Express, 2005, 13, 3567.	3.4	37
9	Design of terahertz-bandwidth arbitrary-order temporal differentiators based on long-period fiber gratings. Optics Letters, 2007, 32, 2978.	3.3	36
10	Distributed Bragg reflector structures based on PT-symmetric coupling with lowest possible lasing threshold. Optics Express, 2013, 21, 22327.	3.4	32
11	Resonant cavities based on Parity-Time-symmetric diffractive gratings. Optics Express, 2013, 21, 9473.	3.4	31
12	Free space diffraction on active gratings with balanced phase and gain/loss modulations. Optics Express, 2012, 20, 29319.	3.4	25
13	Analysis of PT -symmetric volume gratings beyond the paraxial approximation. Optics Express, 2015, 23, 9347.	3.4	25
14	Long-period-fiber-grating-based filter configuration enabling arbitrary linear filtering characteristics. Optics Letters, 2009, 34, 1045.	3.3	20
15	Ultrashort pulse propagation in uniform and nonuniform waveguide long-period gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 1319.	1.5	15
16	Electronically reconfigurable superimposed waveguide long-period gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 1632.	1.5	14
17	Adjustable electro-optic microlens with two concentric ring electrodes. Optics Letters, 1998, 23, 1936.	3.3	12
18	Tunable electro-optic microlens array I Planar geometry. Applied Optics, 2000, 39, 2332.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Analysis of unidirectional non-paraxial invisibility of purely reflective PT-symmetric volume gratings. Optics Express, 2015, 23, 18694.	3.4	12
20	Novel optical characteristics of a Fabry-Perot resonator with embedded PT-symmetrical grating. Optics Express, 2014, 22, 23164.	3.4	10
21	Theoretical and Experimental Analysis of Long-Period Fiber Gratings Made Directly Into Er-Doped Active Fibers. Journal of Lightwave Technology, 2009, 27, 2335-2342.	4.6	9
22	Electro-optically induced tilted phase gratings in waveguides. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 457.	2.1	8
23	First-order loss-less differentiators using long period gratings made in Er-doped fibers. Optics Express, 2009, 17, 461.	3.4	8
24	Electro-optically reconfigurable waveguide superimposed gratings. Optics Express, 2001, 9, 483.	3.4	6
25	Modeling of a converging gradient-index lens with variable focal length in a lanthanum-modified lead zirconate titanate ceramic cylinder with a lateral multielectrode structure. Applied Optics, 1998, 37, 3506.	2.1	5
26	Switchable optical element with Bragg mode diffraction. Optics Letters, 2001, 26, 759.	3.3	5
27	Ultrashort pulse propagation in grating-assisted codirectional couplers. Optics Express, 2004, 12, 2699.	3.4	5
28	Parity time-symmetric vertical cavities: intrinsically single-mode regime in longitudinal direction. Optics Express, 2016, 24, 17125.	3.4	3
29	Ultrafast All-Optical Differentiators Based on Fiber Gratings. , 2007, , .		2
30	Second-order photonic temporal differentiator based on a phase-shifted long period fiber grating. , 2009, , .		2
31	Ultra-Wideband Temporal Differentiators Based on Phase-Shifted Fiber Bragg Gratings. , 2007, , .		1
32	Parity-time symmetry diffractives implementing unidirectional diffraction application to optical combiners. Proceedings of SPIE, 2014, , .	0.8	0
33	All-Fiber Temporal Differentiator for Sub-picosecond Optical Waveforms. Springer Series in Chemical Physics, 2007, , 223-225.	0.2	0
34	Solitons in a PT -symmetric grating-assisted co-directional coupler. Journal of Physics: Conference Series, 2021, 2038, 012015.	0.4	0