

Ivan B Divliansky

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

729
citations

12
h-index

26
g-index

80
ext. papers

895
ext. citations

5
avg, IF

3.36
L-index

#	Paper	IF	Citations
41	Mid-infrared wavelength conversion in silicon waveguides using ultracompact telecom-band-derived pump source. <i>Nature Photonics</i> , 2010 , 4, 561-564	33.9	184
40	Fabrication of three-dimensional polymer photonic crystal structures using single diffraction element interference lithography. <i>Applied Physics Letters</i> , 2003 , 82, 1667-1669	3.4	124
39	Fabrication of two-dimensional photonic crystals using interference lithography and electrodeposition of CdSe. <i>Applied Physics Letters</i> , 2001 , 79, 3392-3394	3.4	104
38	Self-assembly of three-dimensional photonic-crystals with air-core line defects. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3637-3639		53
37	Experimental observation of mode-selective anticrossing in surface-plasmon-coupled metal nanoparticle arrays. <i>Applied Physics Letters</i> , 2009 , 94, 171108	3.4	41
36	Electric-field-driven nano-oxidation trimming of silicon microrings and interferometers. <i>Optics Letters</i> , 2011 , 36, 2668-70	3	27
35	Ultralow Dispersion Multicomponent Thin-Film Chalcogenide Glass for Broadband Gradient-Index Optics. <i>Advanced Materials</i> , 2018 , 30, e1803628	24	23
34	An ultra-narrow linewidth solution-processed organic laser. <i>Light: Science and Applications</i> , 2016 , 5, e160267	26.7	22
33	Scaling the spectral beam combining channels in a multiplexed volume Bragg grating. <i>Optics Express</i> , 2013 , 21, 29620-7	3.3	18
32	High-power spectral beam combining of fiber lasers with ultra high-spectral density by thermal tuning of volume Bragg gratings 2011 ,		17
31	Fabrication of TiO ₂ -Organic Hybrid Dot Arrays Using Nanosecond Laser Interference Lithography. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3507-3510	3.8	15
30	Quantitative infrared imaging of silicon-on-insulator microring resonators. <i>Optics Letters</i> , 2010 , 35, 784-6		12
29	. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 25-28	2.2	11
28	Holographically encoded volume phase masks. <i>Optical Engineering</i> , 2015 , 54, 076104	1.1	8
27	Moiré volume Bragg grating filter with tunable bandwidth. <i>Optics Express</i> , 2014 , 22, 20375-86	3.3	8
26	Fundamental mode operation of a ribbon fiber laser by way of volume Bragg gratings. <i>Optics Letters</i> , 2014 , 39, 6498-500	3	8
25	Thermal tuning of volume Bragg gratings for high power spectral beam combining 2010 ,		6

24	Three-dimensional low-index-contrast photonic crystals fabricated using a tunable beam splitter. <i>Nanotechnology</i> , 2006 , 17, 1241-1244	3.4	6
23	Stabilization system for holographic recording of volume Bragg gratings using a corner cube retroreflector. <i>Applied Optics</i> , 2014 , 53, 1039-46	1.7	4
22	High-contrast filtering by multipass diffraction between paired volume Bragg gratings. <i>Applied Optics</i> , 2015 , 54, 9065-70	0.2	4
21	Achromatic complex holograms for laser mode conversion. <i>Optics Express</i> , 2019 , 27, 225-239	3.3	4
20	Passively Q switched dual channel Tm:YLF laser by intracavity spectral beam combination with volume Bragg gratings. <i>Optics Express</i> , 2018 , 26, 16670-16678	3.3	3
19	Multiplexed volume Bragg gratings for spectral beam combining of high power fiber lasers 2012 ,		3
18	Longitudinal mode selection in laser cavity by moiré volume Bragg grating 2012 ,		3
17	Effect of aberrations in a holographic system on reflecting volume Bragg gratings. <i>Applied Optics</i> , 2013 , 52, 7826-31	1.7	2
16	High-power semiconductor lasers for applications requiring GHz linewidth source 2009 ,		2
15	Three-dimensional diffractive micro- and nano-optical elements fabricated by electron-beam lithography 2007 , 6462, 334		2
14	Wavefront shaping optical elements recorded in photo-thermo-refractive glass. <i>Applied Optics</i> , 2019 , 58, D61-D67	1.7	2
13	Saturation of multiplexed volume Bragg grating recording. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 22-7	1.8	1
12	Volume Bragg Gratings: Fundamentals and Applications in Laser Beam Combining and Beam Phase Transformations 2017 ,		1
11	The effect of aberrated recording beams on reflecting Bragg gratings 2013 ,		1
10	Compact cavity design in solid state resonators by way of volume Bragg gratings 2014 ,		1
9	Transverse mode selection in laser resonators using volume Bragg gratings 2014 ,		1
8	Volume Bragg lasers 2010 ,		1
7	CAD-integrated system for automated multi-photon three-dimensional micro- and nano-fabrication 2005 , 5720, 196		1

- 6 Widely tunable nonlinear liquid crystal-based photonic crystals **2002**, 1
- 5 Intracavity spatial mode conversion by holographic phase masks.. *Optics Express*, **2022**, 30, 4988-4998 3.3 1
- 4 Versatile approach to laser beam shaping and analyzing by holographic phase masks. *Journal of Optics (United Kingdom)*, 1.7 1
- 3 Holographic lens for 532 nm in photo-thermo-refractive glass. *Optics and Laser Technology*, **2018**, 105, 264-267 4.2 0
- 2 Stimulated Raman scattering of XeCl 70 ns laser pulses in silica fibres. *Journal of Optics*, **1999**, 1, 725-729
- 1 Highly Photosensitive Fiber Fabricated from Photo-Thermo-Refractive Glass. *Ceramic Engineering and Science Proceedings*, 303-311 0.1