PaweÅ, SzczepaÅ„ski

List of Publications by Year
in descending order

		1040056	794594
39	374	9	19
papers	citations	h-index	g-index

39	39	39	315
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	InP-Based Photonic Multiwavelength Transmitter With DBR Laser Array. IEEE Photonics Technology Letters, 2013, 25, 352-354.	2.5	111
2	Tunable slow light in graphene-based hyperbolic metamaterial waveguide operating in SCLU telecom bands. Optics Express, 2017, 25, 7263.	3.4	41
3	Tunable graphene-based hyperbolic metamaterial operating in SCLU telecom bands. Optics Express, 2016, 24, 24129.	3.4	37
4	Control of gain/absorption in tunable hyperbolic metamaterials. Optics Express, 2017, 25, 13153.	3.4	19
5	Tunable spectral and spatial filters for the mid-infrared based on hyperbolic metamaterials. Applied Optics, 2018, 57, 1182.	1.8	14
6	Multiresonance response in hyperbolic metamaterials. Applied Optics, 2018, 57, 2135.	1.8	14
7	Distributed Feedback Laser Based on Tunable Photonic Hypercrystal. Materials, 2021, 14, 4065.	2.9	14
8	Effect of mode nonorthogonality in distributed-feedback lasers. Optics Letters, 1994, 19, 1222.	3.3	11
9	Effect of nonlocality in spatially uniform anisotropic metamaterials. Optics Express, 2020, 28, 15447.	3.4	11
10	Model of Gain Saturation in A Two-mirror Laser. Journal of Modern Optics, 1992, 39, 2519-2529.	1.3	10
11	Influence of mode nonorthogonality on the correlation function of the amplitude and of the intensity fluctuation of a distributed-feedback laser. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 300.	2.1	8
12	Nonlinear Operation of a 2-D Triangular Lattice Photonic Crystal Laser. IEEE Journal of Quantum Electronics, 2011, 47, 13-19.	1.9	8
13	Guided Optical Modes in Metal-Cladded Tunable Hyperbolic Metamaterial Slab Waveguides. Crystals, 2020, 10, 176.	2.2	8
14	Influence of the position of the gain medium on the excess noise factor. Optics Letters, 1995, 20, 881.	3.3	7
15	Influence of Nonlocality on Transmittance and Reflectance of Hyperbolic Metamaterials. Crystals, 2020, 10, 577.	2.2	7
16	Excess-noise factor in partly gain coupled DFB lasers. Optics Communications, 1994, 111, 502-506.	2.1	6
17	Analysis of Waveguide Ring Lasers with Nonlinear Directional Outcoupler. Journal of Modern Optics, 1995, 42, 1079-1091.	1.3	6
18	Optimization of output power in hollow-waveguide lasers. Applied Optics, 1995, 34, 6099.	2.1	5

#	Article	IF	Citations
19	Relaxation oscillations in a laser with a Gaussian mirror. Applied Optics, 2002, 41, 1668.	2.1	5
20	Spatial and frequency domain effects of defects in 1D photonic crystal. Optical and Quantum Electronics, 2007, 39, 501-510.	3.3	5
21	Nonlinear analysis of a photonic crystal laser. Journal of Modern Optics, 2011, 58, 1538-1550.	1.3	4
22	Nonlocality-Enabled Magnetic Free Optical Isolation in Hyperbolic Metamaterials. Materials, 2021, 14, 2865.	2.9	4
23	Effect of excess quantum noise on output power in distributed feedback lasers. Optics Communications, 1999, 172, 241-251.	2.1	3
24	AWG-DBR-based WDM Transmitter fabricated in an InP Generic Foundry Platform. , 2014, , .		3
25	Nonlinear Operation of Lasers with a Saturable Absorber. Journal of Modern Optics, 1993, 40, 1107-1122.	1.3	2
26	Excess noise factor in circular grating distributed Bragg reflector lasers. Optics Communications, 2001, 199, 417-424.	2.1	2
27	Controllable intermodal coupling in waveguide systems based on tunable hyperbolic metamaterials. Optics Express, 2020, 28, 40044.	3.4	2
28	Influence of Spatial Dispersion on Propagation Properties of Waveguides Based on Hyperbolic Metamaterial. Materials, 2021, 14, 6885.	2.9	2
29	Spatial Dispersion in Hypercrystal Distributed Feedback Lasing. Materials, 2022, 15, 3482.	2.9	2
30	AWG-Based Photonic Transmitter With DBR Mirrors and Machâ€“Zehnder Modulators. IEEE Photonics Technology Letters, 2014, 26, 710-713.	2.5	1
31	Analysis of Mode Competition in a 2-D Square Lattice Photonic Crystal Laser With Transverse Magnetic Polarization. IEEE Journal of Quantum Electronics, 2015, 51, 1-13.	1.9	1
32	Strong second-harmonic response from semiconductorâ€“dielectric interfaces. Applied Optics, 2021, 60, 1132.	1.8	1
33	<title>Modeling of light generation in photonic crystal lasers</title>. , 2006, , .		0
34	Calculation of atomic spontaneous emission rate in 1D finite photonic crystal with defects. Central European Journal of Physics, 2010, 8, 746-759.	0.3	0
35	Threshold Mode Analysis of 2-D Square and Triangular Lattice Gain and Index Coupled Photonic Crystal Lasers. IEEE Journal of Quantum Electronics, 2014, 50, 554-562.	1.9	0
36	Effect of Mode Nonorthogonality on Light Coherence In F-P and DFB Lasers. , 1996, , 509-510.		0

#	Article	IF	Citations
37	Controllable birefringence in graphene-based anisotropic metamaterials. , 2018, , .		0
38	Control of mode propagation in tunable hyperbolic metamaterial waveguides. , 2018, , .		0
39	Tunable Hyperbolic Metamaterials for Novel Photonic Devices. , 2018, , .		0