Nataliya Dadoenkova

List of Publications by Year
in descending order

44 papers	953 citations	516710 16 h-index	501196 28 g-index
44 all docs	44 docs citations	44 times ranked	631 citing authors

#	Article	IF	Citations
1	Multiperiodic one-dimensional photonic crystals. , 2020, , 103-124.		1
2	One-dimensional multiperiodic photonic structures: A new route in photonics (four-component) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	2.5	10
3	Goosâ€“HÃnchen effect for Brillouin light scattering by acoustic phonons. Optics Letters, 2018, 43, 3965.	3.3	2
4	Transverse magneto-optic Kerr effect and Imbertâ€“Fedorov shift upon light reflection from a magnetic/non-magnetic bilayer: impact of misfit strain. Journal of Optics (United Kingdom), 2017, 19, 015610.	2.2	8
5	Goos-HÃnchen effect in light transmission through biperiodic photonic-magnonic crystals. Physical Review A, 2017, 96, .	2.5	24
6	Magneto-optic waveguide and dielectric photonic crystal as a new complex structure for photonics. , 2016, , .		0
7	Optical properties of a four-layer waveguiding nanocomposite structure in near-IR regime. Optical and Quantum Electronics, 2016, 48, 1.	3.3	2
8	Controlling the Goos-HÃnchen shift with external electric and magnetic fields in an electro-optic/magneto-electric heterostructure. Journal of Applied Physics, 2016, 119, .	2.5	23
9	Confined states in photonic-magnonic crystals with complex unit cell. Journal of Applied Physics, 2016, 120, .	2.5	24
10	Influence of misfit strain on the Goosâ€“HÃnchen shift upon reflection from a magnetic film on a nonmagnetic substrate. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 393.	2.1	21
11	Reshaping of Gaussian light pulses transmitted through one-dimensional photonic crystals with two defect layers. Applied Optics, 2016, 55, 3764.	2.1	9
12	Four-layer nanocomposite structure as an effective optical waveguide switcher for near-IR regime. Journal Physics D: Applied Physics, 2016, 49, 435103.	2.8	22
13	Superconducting photonic crystals with defect structure. , 2016, , .		1
14	Cascading processes in the nonlinear diffraction of light by standing acoustic waves. Physical Review A, 2016, 93, .	2.5	0
15	Influence of the linear magneto-electric effect on the lateral shift of light reflected from a magneto-electric film. Journal of Physics: Conference Series, 2016, 741, 012201.	0.4	5
16	Tunnelling of frequency-modulated wavepackets in photonic crystals with amplification. Journal of Optics (United Kingdom), 2016, 18, 015102.	2.2	7
17	Influence of magnetic surface anisotropy on spin wave reflection from the edge of ferromagnetic film. Physical Review B, 2015, 92, .	3.2	40
18	Goos-HÃnchen shift at the reflection of light from the complex structures composed of superconducting and dielectric layers. Journal of Applied Physics, 2015, 118, 213101.	2.5	15

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19	Goos-HÃnchen effect and bending of spin wave beams in thin magnetic films. Applied Physics Letters, 2014, 105, .	3.3	50
20	Dielectric photonic crystals with superconducting defects. , 2014, , .		1
21	Photonic-magnonic crystals: Multifunctional periodic structures for magnonic and photonic applications. Journal of Applied Physics, 2014, 115, .	2.5	45
22	Photonic-magnonic structures. , 2014, , .		1
23	Huge Goos-HÃnchen effect for spin waves: A promising tool for study magnetic properties at interfaces. Applied Physics Letters, 2012, 101, 042404.	3.3	32
24	Nonlinear Optical Diffraction by Standing Acoustic Waves in a GaAs Film. , 2011, , .		0
25	The dispersion induced peculiarities in the transmission spectra of the one-dimensional dielectric photonic crystals. , 2010, , .		0
26	Nonlinear Faraday rotation in a one-dimensional magnetic photonic crystal with two defects. AIP Conference Proceedings, 2010, , .	0.4	1
27	One-dimensional photonic crystal with a complex defect containing an ultrathin superconducting sublayer. Journal of Applied Physics, 2010, 108, .	2.5	43
28	One-Dimensional photonic crystal with superconducting defect layer: Oblique incidence of the light. , 2010, , .		0
29	The temperature- and thickness-dependence of the photonic band gap spectra of the one-dimensional photonic crystal with a superconducting defect layer. , 2010, , .		1
30	A one-dimensional photonic crystal with a superconducting defect layer. Journal of Optics, 2009, 11, 114014.	1.5	74
31	Strain-Induced Modified Form Birefringence In A One-Dimensional Photonic Crystal: An Exact Coupled-Mode Approach. , 2009, , .		0
32	One-Dimensional Photonic Crystal With Realistic Interfaces: Effects of Misfit Strain. , 2009, , .		1
33	Optical bistability in one-dimensional magnetic photonic crystal with two defect layers. Journal of Applied Physics, 2008, 103, 07B321.	2.5	24
34	Direct observation of controlled strain-induced second harmonic generation in a Co0.25Pd0.75 thin film on a Pb(ZrTi)O3 substrate. Applied Physics Letters, 2007, 90, 044108.	3.3	7
35	Response of two-defect magnetic photonic crystals to oblique incidence of light: Effect of defect layer variation. Journal of Applied Physics, 2006, 100, 096110.	2.5	26
36	First-Principles Calculation of Nonlinear Surface Magneto-Optical Response of a Ferromagnetic Multilayer. Physica Scripta, 2004, T109, 174.	2.5	0

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37	Bigyrotropic photonic crystals. , 2004, , .		3
38	One-dimensional bigyrotropic magnetic photonic crystals. Applied Physics Letters, 2004, 85, 5932-5934.	3.3	40
39	Spectra of bigyrotropic magnetic photonic crystals. Physica Status Solidi A, 2004, 201, 3338-3344.	1.7	5
40	Nonlinear Magneto-Optical Diffraction by Periodic Magnetic Domain Structures: Effects of Magnetic Field. , 2004, , 181-191.		0
41	Magnetic photonic crystals. Journal Physics D: Applied Physics, 2003, 36, R277-R287.	2.8	334
42	<title>Magnetic films with periodically striped domains as tunable photonic crystals</title>. , 2002, 4806, 302.		4
43	Second-harmonic generation from realistic filmâ€“substrate interfaces: The effects of strain. Applied Physics Letters, 2000, 76, 1848-1850.	3.3	34
44	Influence of lattice mismatch on magnetization-induced optical second harmonic generation from a magnetic film on a nonmagnetic substrate. Journal of Applied Physics, 2000, 87, 6794-6796.	2.5	13