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	Magnetic photonic crystals. Journal Physics D: Applied Physics, 2003, 36, R277-R287.	2.8	334
2	A one-dimensional photonic crystal with a superconducting defect layer. Journal of Optics, 2009, 11, 114014.	1.5	74
3	Goos-HÃnchen effect and bending of spin wave beams in thin magnetic films. Applied Physics Letters, 2014, 105, .	3.3	50
4	Photonic-magnonic crystals: Multifunctional periodic structures for magnonic and photonic applications. Journal of Applied Physics, 2014, 115, .	2.5	45
5	One-dimensional photonic crystal with a complex defect containing an ultrathin superconducting sublayer. Journal of Applied Physics, 2010, 108, .	2.5	43
6	One-dimensional bigyrotropic magnetic photonic crystals. Applied Physics Letters, 2004, 85, 5932-5934.	3.3	40
7	Influence of magnetic surface anisotropy on spin wave reflection from the edge of ferromagnetic film. Physical Review B, 2015, 92, .	3.2	40
8	Second-harmonic generation from realistic filmâ€“substrate interfaces: The effects of strain. Applied Physics Letters, 2000, 76, 1848-1850.	3.3	34
9	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
10	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
11	Optical bistability in one-dimensional magnetic photonic crystal with two defect layers. Journal of Applied Physics, 2008, 103, 07B321.	2.5	24
12	Confined states in photonic-magnonic crystals with complex unit cell. Journal of Applied Physics, 2016, 120, .	2.5	24
13	Goos-HÃnchen effect in light transmission through biperiodic photonic-magnonic crystals. Physical Review A, 2017, 96, .	2.5	24
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	One-dimensional multiperiodic photonic structures: A new route in photonics (four-component) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	10
20	Reshaping of Gaussian light pulses transmitted through one-dimensional photonic crystals with two defect layers. Applied Optics, 2016, 55, 3764.	2.1	9
21	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
22	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
23	Tunnelling of frequency-modulated wavepackets in photonic crystals with amplification. Journal of Optics (United Kingdom), 2016, 18, 015102.	2.2	7
24	Spectra of bigyrotropic magnetic photonic crystals. Physica Status Solidi A, 2004, 201, 3338-3344.	1.7	5
25	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
26	<title>Magnetic films with periodically striped domains as tunable photonic crystals</title>. , 2002, 4806, 302.		4
27	Bigyrotropic photonic crystals. , 2004, , .		3
28	Optical properties of a four-layer waveguiding nanocomposite structure in near-IR regime. Optical and Quantum Electronics, 2016, 48, 1.	3.3	2
29	Goosâ€“HÃnchen effect for Brillouin light scattering by acoustic phonons. Optics Letters, 2018, 43, 3965.	3.3	2
30	One-Dimensional Photonic Crystal With Realistic Interfaces: Effects of Misfit Strain. , 2009, , .		1
31	Nonlinear Faraday rotation in a one-dimensional magnetic photonic crystal with two defects. AIP Conference Proceedings, 2010, , .	0.4	1
32	The temperature- and thickness-dependence of the photonic band gap spectra of the one-dimensional photonic crystal with a superconducting defect layer. , 2010, , .		1
33	Dielectric photonic crystals with superconducting defects. , 2014, , .		1
34	Photonic-magnonic structures. , 2014, , .		1
35	Superconducting photonic crystals with defect structure. , 2016, , .		1
36	Multiperiodic one-dimensional photonic crystals. , 2020, , 103-124.		1

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37	First-Principles Calculation of Nonlinear Surface Magneto-Optical Response of a Ferromagnetic Multilayer. Physica Scripta, 2004, T109, 174.	2.5	0
38	Strain-Induced Modified Form Birefringence In A One-Dimensional Photonic Crystal: An Exact Coupled-Mode Approach. , 2009, , .		0
39	The dispersion induced peculiarities in the transmission spectra of the one-dimensional dielectric photonic crystals. , 2010, , .		0
40	One-Dimensional photonic crystal with superconducting defect layer: Oblique incidence of the light. , 2010, , .		0
41	Nonlinear Optical Diffraction by Standing Acoustic Waves in a GaAs Film. , 2011, , .		0
42	Magneto-optic waveguide and dielectric photonic crystal as a new complex structure for photonics. , 2016, , .		0
43	Cascading processes in the nonlinear diffraction of light by standing acoustic waves. Physical Review A, 2016, 93, .	2.5	0
44	Nonlinear Magneto-Optical Diffraction by Periodic Magnetic Domain Structures: Effects of Magnetic Field. , 2004, , 181-191.		0