Sergey Magnitskiy

List of Publications by Year
in descending order

88 papers	648 citations	759055 12 h-index	677027 22 g-index
88 all docs	88 docs citations	88 times ranked	389 citing authors

#	Article	IF	Citations
1	Quantum ghost polarimetry with entangled photons. Optics Letters, 2022, 47, 754.	1.7	11
2	Quantum Ghost Polarimetry Applied to Samples With Polarization Anisotropy. , 2021, , .		0
3	The measurement method of the polarization-entangled states of biphotons using a quantum tomograph. Izmeritel`naya Tekhnika, 2021, , 21-27.	0.0	0
4	Ghost polarimetry with unpolarized pseudo-thermal light. Optics Letters, 2020, 45, 3641.	1.7	12
5	Measurement of the Efficiency of Detection by Single-Photon Counters Based on Avalanche Photodiodes by the Method of Spontaneous Parametric Down Conversion with Spectrally Asymmetric Channels. Measurement Techniques, 2019, 61, 1166-1173.	0.2	4
6	A double-crystal scheme with full compensation of the Migdall effect. EPJ Web of Conferences, 2019, 220, 03016.	0.1	3
7	Metrology of low-photon light sources. EPJ Web of Conferences, 2019, 220, 01007.	0.1	0
8	Numerical solution of photocounting statistics inverse problem for few-photon pulsed laser sources. EPJ Web of Conferences, 2019, 220, 02004.	0.1	0
9	Ghost polarimetry: ghost imaging of polarization-sensitive objects. Laser Physics Letters, 2018, 15, 115404.	0.6	25
10	Metrology of photon statistics of pulsed low- photon light sources. , 2018, , .		1
11	Influence of polarization deviation in SPDC on the degree of entanglement of photon pairs. , 2018, , .		0
12	Effect of polarization deviation of spontaneous parametric down-conversion on the degree of biphoton entanglement. Physics of Wave Phenomena, 2017, 25, 180-184.	0.3	6
13	Metrology of Single Photons for Quantum Information Technologies. Measurement Techniques, 2017, 60, 235-241.	0.2	6
14	Polarization-resolved second harmonic generation microscopy of chiral G-shaped metamaterials. Physical Review B, 2017, 96, .	1.1	21
15	Optical second harmonic generation from chiral nanostructures. , 2017, , .		0
16	Generation of phase - matched coherent point source in plasma media by propagated X-ray laser seeded beam. Journal of Physics: Conference Series, 2016, 688, 012086.	0.3	0
17	X-ray coherent mirage: Generation of phase â€“ matched coherent point source in plasma media by propagated X-ray laser seeded beam. Laser and Particle Beams, 2016, 34, 402-411.	0.4	1
18	Polarization-Angle SPDC Spectrum and its Effect on Generated Photon States. EPJ Web of Conferences, 2015, 103, 03004.	0.1	2

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19	The Source of Time-Correlated Photons at 1.064 Î¼m and its Applications. EPJ Web of Conferences, 2015, 103, 10010.	0.1	2
20	Characterization of polarization-angular spectrum of type-I SPDC in BBO crystal. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2015, 70, 382-389.	0.1	2
21	A SPDC-Based Source of Entangled Photons and its Characterization. Journal of Russian Laser Research, 2015, 36, 618-629.	0.3	26
22	Coherent X-ray mirage: discovery and possible applications. High Power Laser Science and Engineering, 2014, 2, .	2.0	4
23	Source of single correlated photons at 1.06-mkm wavelength. , 2014, , .		0
24	Observation and theory of X-ray mirages. Nature Communications, 2013, 4, 1936.	5.8	8
25	High performance imaging of relativistic soft Xâ€ray harmonics by subâ€micron resolution LiF film detectors. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2331-2335.	0.8	7
26	Photoinduced translational molecular mobility in solid nanostructured azo dye films. Quantum Electronics, 2011, 41, 1003-1009.	0.3	0
27	Second-harmonic confocal microscopy of layered microstructures based on porous silicon. JETP Letters, 2011, 94, 451-454.	0.4	4
28	Effect of unmodulated laser light on the nanostructure of a thin solid AD-1 azo dye film. Quantum Electronics, 2010, 40, 286-287.	0.3	4
29	Formation of spatial spiral light structures by a polymer nanocylinder. JETP Letters, 2009, 88, 564-568.	0.4	0
30	Orientation of the AD-1 azo-dye molecules in solid nanostructured films upon the two-photon excitation. Laser Physics, 2008, 18, 1400-1410.	0.6	1
31	Near-field 3D mapping of spiral light structures formed by a polymer nanocylinder. Laser Physics, 2008, 18, 1429-1434.	0.6	0
32	Nonlinear induced polarization dependent scattering in solid state azo-dye films. Laser Physics Letters, 2007, 4, 275-278.	0.6	16
33	Optical orientation of azo dye molecules in a thin solid film upon nonlinear excitation by femtosecond laser pulses. Quantum Electronics, 2006, 36, 1056-1057.	0.3	7
34	Reflection second-harmonic microscopy of porous silicon structures. , 2006, , .		0
35	Surface-plasmon vortices in nanostructured metallic films. JETP Letters, 2005, 82, 599-602.	0.4	4
36	SNOM INVESTIGATION OF THE ELECTROMAGNETIC FIELD INTENSITY AND POLARIZATION DISTRIBUTION IN THE VICINITY OF NANOSTRUCTURES. International Journal of Nanoscience, 2004, 03, 105-113.	0.4	7

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37	<title>Local optical diagnostics of nanostructures: SNOM investigation of the electromagnetic field interaction with the nanostructures</title>. , 2004, , .		0
38	<title>SNOM investigation of the electromagnetic field intensity and polarization distribution in the vicinity of subwavelength structures</title>. , 2004, , .		2
39	X-ray spectroscopic study of stopping dynamics for Ca6+ ion in an aerogel target. JETP Letters, 2003, 78, 374-378.	0.4	1
40	Anomalous reflectivity from nonideal plasma. Journal of Physics A, 2003, 36, 5999-6004.	1.6	10
41	Self-channeling of femtosecond visible laser pulse with microjoule energy and micromodification in transparent target. , 2003, , .		0
42	<title>Propagation and amplification of ultrashort light pulses in a resonant two-level medium: finite-difference time-domain analysis</title>. , 2002, , .		0
43	Holey fibers with 0.4-to 32-Î¼m-lattice-constant photonic band-gap cladding: fabrication, characterization, and applications. , 2002, 4748, 323.		0
44	Evolution of ultrashort light pulses in a two-level medium visualized with the finite-difference time domain technique. Optics Express, 2001, 8, 452.	1.7	50
45	<title>Optical Doppler tomography of near-surface mass transfer processes induced by femtosecond laser</title>. , 2001, 4242, 151.		0
46	Propagation and amplification of ultrashort light pulses in a resonant two-level medium: finite-difference time-domain analysis. Optics Communications, 2001, 193, 187-196.	1.0	25
47	Doppler tomography of mass-transfer processes in condensed media induced by femtosecond laser pulses. Quantum Electronics, 2001, 31, 83-84.	0.3	3
48	Light-induced conformational transitions of individual molecules in ordered films. Solid State Communications, 2000, 117, 41-46.	0.9	1
49	Constructing a light-field distribution for the laser guiding of atoms in photonic crystals. Optics Communications, 2000, 184, 391-396.	1.0	6
50	Photonic-crystal fibers with a photonic band gap tunable within the range of 930â€“1030 nm. JETP Letters, 2000, 71, 489-492.	0.4	9
51	Phase and group synchronization in second-harmonic generation of ultrashort light pulses in one-dimensional photonic crystals. Journal of Experimental and Theoretical Physics, 2000, 91, 298-306.	0.2	12
52	Two-dimensional photonic crystals with a lattice defect: Spectrum of defect modes, localization of light, and formation of evanescent waves. Journal of Experimental and Theoretical Physics, 2000, 90, 600-608.	0.2	7
53	Modulation instability of light beams and pulses propagating in absorbing media. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 88, 406-414.	0.2	2
54	Laser guiding of cold atoms in photonic crystals. Quantum Electronics, 2000, 30, 843-846.	0.3	2

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55	Picosecond semiconductor lasers with an external fibre resonator. Quantum Electronics, 2000, 30, 158-160.	0.3	3
56	Passive mode locking in a multisegment laser diode with an external cavity. Quantum Electronics, 1999, 29, 103-108.	0.3	3
57	Compression of ultrashort light pulses in photonic crystals: when envelopes cease to be slow. Optics Communications, 1999, 159, 191-202.	1.0	65
58	Localization and channeling of light in defect modes of two-dimensional photonic crystals. JETP Letters, 1999, 70, 323-328.	0.4	10
59	Matched second-harmonic generation of ultrashort laser pulses in photonic crystals. JETP Letters, 1999, 70, 819-825.	0.4	10
60	Near-field optics with photonic crystals. Applied Physics B: Lasers and Optics, 1999, 69, 497-500.	1.1	12
61	Direct STM observation of electronic structure modification of naphthacenequinone molecules due to photoisomerization. JETP Letters, 1998, 68, 521-526.	0.4	7
62	Fabrication of three-dimensional periodic microstructures by means of two-photon polymerization. Applied Physics B: Lasers and Optics, 1998, 67, 765-767.	1.1	55
63	<title>Systems of digital optical memory based on two-photon amplitude data writing in three-dimensional photosensitive media with the using femtosecond laser pulses: comparison of phase and amplitude approaches to the problem of 3D optical memory</title>. , 1998, , .		1
64	<title>Femtosecond microspectrophotometer for measurement of efficient yield of two-photon photoreactions</title>. , 1998, , .		1
65	<title>STM/STS investigation of naphthacenequinone electron structure and topology of LB films</title>. , 1998, , .		1
66	<title>Photoisomerization quantum yields of naphthacenequinones in thin polymer films</title>. , 1998, , .		1
67	<title>Specialized setup for implementation of principles of two-photon writing and fluorescence reading in 3D optical memory systems based on multilayer polymer structures containing fluorescing photochro</title>. , 1998, , .		1
68	Local nondestructive data reading in three-dimensional memory systems based on the optical Kerr effect. Quantum Electronics, 1998, 28, 942-944.	0.3	4
69	Compression of light pulses in photonic crystals. Quantum Electronics, 1998, 28, 861-866.	0.3	8
70	Data reading with the aid of one-photon and two-photon luminescence in three-dimensional optical memory devices based on photochromic materials. Quantum Electronics, 1998, 28, 547-554.	0.3	8
71	<title>Write-read-erase kinetics in 2.5-D multilayer polymer structures based on naphtacenepyridone molecules</title>. , 1998, , .		1
72	<title>Three-dimensional optical memory systems based on photochromic materials: polarization control of two-color data writing and the possibility of nondestructive data reading</title>. , 1998, 3402, 137.		2

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73	Optimizing Two-Photon Three-Dimensional Data Storage in Photochromic Materials Using the Principles of Nonlinear Optics. Japanese Journal of Applied Physics, 1997, 36, 426-428.	0.8	21
74	Photochemical and Spectroscopic Properties of Naphthacenequinones as Candidates for 3D Optical Data Storage. Japanese Journal of Applied Physics, 1997, 36, 424-425.	0.8	22
75	Generation of incoherent picosecond x-ray pulses: resonant production and advantage of using thin films. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 143.	0.9	11
76	Interaction of superintense femtosecond laser pulses with freely suspended thin films. , 1996, 2777, 148.		0
77	Two-beam femtosecond high-field interactions with a solid target. Surface modification and second harmonic generation under the conditions of surface electromagnetic wave excitation. Quantum Electronics, 1996, 26, 524-528.	0.3	2
78	Optimisation of two-frequency optical data writing in photochromic materials based on the polarisation dependence of the two-photon absorption cross section. Quantum Electronics, 1996, 26, 848-852.	0.3	9
79	Feasibility of generation of picosecond and subpicosecond x-ray pulses in thin films. Quantum Electronics, 1995, 25, 146-148.	0.3	0
80	Evolution of a high-temperature femtosecond surface plasma, recorded with time resolution. Quantum Electronics, 1995, 25, 877-880.	0.3	3
81	<title>Frequency conversion of intense femtosecond pulses: the route to enhance energy conversion efficiency</title>. , 1995, , .		1
82	Efficient generation of high-power picosecond pulses in a solid-state YAG : Nd system with a regenerative amplifier. Quantum Electronics, 1994, 24, 679-681.	0.3	1
83	<title>Focusing of picosecond x-ray pulses on the target at power densities up to 1 GW cm<formula>^{<roman>-2</roman>}</formula></title>. , 1992, 1800, 138.		0
84	Generation of bandwidth-limited tunable picosecond pulses by injection-locked optical parametric oscillators. Optics Letters, 1986, 11, 18.	1.7	18
85	Time-domain coherent active Raman spectroscopy of a free-nitrogen jet. Journal of the Optical Society of America B: Optical Physics, 1985, 2, 640.	0.9	41
86	Suppression of nonresonant background in coherent picosecond active Raman spectroscopy of molecular gases. Soviet Journal of Quantum Electronics, 1981, 11, 681-682.	0.1	1
87	Parametric generation of infrared picosecond pulses in LiNbO3crystals. Soviet Journal of Quantum Electronics, 1977, 7, 1414-1416.	0.1	11
88	Holey fibers with 0.4-32-Î¼m-pitch photonic band-gap cladding: fabrication, characterization, and nonlinear-optical applications. , 0, , .		0