

Andrey V Veniaminov

List of Publications by Citations

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67
papers

443
citations

13
h-index

18
g-index

87
ext. papers

511
ext. citations

2
avg, IF

3.37
L-index

#	Paper	IF	Citations
67	Polymer and Dye Probe Diffusion in Poly(methyl methacrylate) below the Glass Transition Studied by Forced Rayleigh Scattering. <i>Macromolecules</i> , 1999 , 32, 1828-1837	5.5	58
66	Holographic polymer materials with diffusion development: Principles, arrangement, investigation, and applications. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2013 , 115, 906-930	0.7	29
65	Diffusional enhancement of holograms: phenanthrenequinone in polycarbonate. <i>Journal of Optics</i> , 2002 , 4, 387-392		25
64	Calibration of the spectral sensitivity of instruments for the near infrared region. <i>Journal of Applied Spectroscopy</i> , 2011 , 78, 433-439	0.7	20
63	Spectrally selective holographic optical elements based on a thick polymer medium with diffusional amplification. <i>Journal of Optics</i> , 2000 , 2, 494-499		19
62	Length Scale Dependent Probe Diffusion in Drying Acrylate Latex Films. <i>Macromolecules</i> , 2002 , 35, 808-819	1.9	18
61	A highly stable holographic medium based on CaF ₂ :Na crystals with colloidal color centers: III. Properties of holograms. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2007 , 103, 655-659	0.7	17
60	Forced Rayleigh scattering from non-harmonic gratings applied to complex diffusion processes in glass-forming liquids. <i>Chemical Physics Letters</i> , 1999 , 303, 499-504	2.5	16
59	Postexposure evolution of a photoinduced grating in a polymer material with phenanthrenequinone. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2005 , 99, 744	0.7	15
58	Passively Q-switched femtosecond-laser-written thulium waveguide laser based on evanescent field interaction with carbon nanotubes. <i>Photonics Research</i> , 2018 , 6, 971	6	15
57	Holograms convertible by an incoherent photo-thermal treatment in CaF ₂ crystals with color centers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 248	1.7	13
56	Materials with diffusion amplification for optical-information recording and their study by a holographic method. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2008 , 75, 306	0.9	13
55	Fs-laser-written thulium waveguide lasers Q-switched by graphene and MoS ₂ . <i>Optics Express</i> , 2019 , 27, 8745-8755	3.3	13
54	Femtosecond-laser-written Ho:KGd(WO) ₄ waveguide laser at 2.1 μ m. <i>Optics Letters</i> , 2019 , 44, 1738-1741	3	13
53	Profile of a volume hologram in CaF ₂ crystal with color centers as determined using confocal scanning microscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 335	1.7	12
52	Spatial scale-dependent tracer diffusion in bulk polycarbonate studied by holographic relaxation. <i>Journal of Chemical Physics</i> , 2005 , 122, 174902	3.9	8
51	Fs-laser-written erbium-doped double tungstate waveguide laser. <i>Optics Express</i> , 2018 , 26, 30826-30836	3.3	8

50	Dependence of the profile of a hologram recorded on color centers in a CaF ₂ crystal on the type of hologram-forming centers. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2012 , 113, 638-642	0.7	7
49	A complex for the fluorescence analysis of macro- and microsamples in the near-infrared. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2011 , 78, 120	0.9	7
48	The shape of the relaxation curve in diffusion measurements with the aid of photoinduced gratings. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2006 , 101, 290-298	0.7	7
47	Probing Poly(n-butyl-methacrylate) Latex Film via Diffusion of Hydrophilic and Hydrophobic Dye Molecules. <i>Macromolecules</i> , 2003 , 36, 4944-4953	5.5	7
46	Optical study of calcium precipitates in additively colored CaF ₂ crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 1288	1.7	7
45	Self-organization of color centers in holograms recorded in additively colored CaF ₂ crystals. <i>Optical Materials</i> , 2015 , 47, 190-195	3.3	6
44	Recording and reconstruction of femtosecond light pulses using volume holograms. <i>Optics Communications</i> , 1993 , 96, 202-207	2	6
43	Determination of refractive index and absorbance modulation amplitudes from angular selectivity of holograms in polymer material with phenanthrenequinone 2015 ,		5
42	Film-forming colloidal dispersions studied by tracer methods. <i>Macromolecular Symposia</i> , 2000 , 151, 451-457		5
41	Synthesizing erbium and ytterbium oxide nanoparticles and obtaining luminescent polymeric composites based on them. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2014 , 81, 681	0.9	4
40	Photochemical and diffusional apodization of thick phase holograms. <i>Optics Communications</i> , 1994 , 110, 18-22	2	4
39	High-efficiency reflective holograms: subangstrom spectral selectors 1991 ,		4
38	Study of diffusion of compounds of anthracene structure in polymethyl methacrylate by holographic relaxometry. <i>Polymer Science USSR</i> , 1986 , 28, 487-492		4
37	Ultrafast laser inscribed waveguide lasers in Tm:CALGO with depressed-index cladding. <i>Optics Express</i> , 2020 , 28, 3528-3540	3.3	4
36	Thresholds for nonlinear recording of fluorescent centers in chromone-doped polymer films. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	3
35	Transformation of color centers during hologram recording in an additively colored CaF ₂ crystal. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2014 , 116, 379-383	0.7	3
34	Visualization of type II fiber Bragg gratings induced in a birefringent fiber with an elliptical stress cladding. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2013 , 114, 116-119	0.7	3
33	Scale dependent diffusion in latex films studied by photoinduced grating relaxation technique. <i>Macromolecular Symposia</i> , 2003 , 191, 151-166	0.8	3

32	Anomalous tracer diffusion in film forming colloidal dispersions. <i>European Physical Journal Special Topics</i> , 2000 , 10, Pr7-289-Pr7-293		3
31	Ultrafast Laser Inscription and ~2 fs Laser Operation of Y-Branch Splitters in Monoclinic Crystals. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4374-4384	4	3
30	Comparison of experimental approaches to study selective properties of thick phase-amplitude holograms recorded in materials with diffusion-based formation mechanisms 2016 ,		2
29	Q-factor study of nanomechanical system metal tip-carbon nanowhisker at low and ambient pressure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 2375-2379	1.6	2
28	Features of the optical and nonlinear-optical characteristics of multilayer DAST crystals. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2011 , 78, 761	0.9	2
27	Surface-enhanced resonance raman scattering studies of indigo dyes adsorbed on colloid silver particles. <i>Journal of Applied Spectroscopy</i> , 1986 , 44, 46-50	0.7	2
26	Tm and Ho colasing in in-band pumped waveguides fabricated by femtosecond laser writing. <i>Optics Letters</i> , 2021 , 46, 122-125	3	2
25	Precise mass detector based on carbon nanooscillator 2016 ,		2
24	Chlorine-doped Se/ZnS Quantum Dots Nanocomposites as Efficient Singlet Oxygen Generator. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2019 , 127, 1104-1109	0.7	2
23	Angular Selectivity of Amplitude-Phase Holographic Gratings in Polymer Material with Phenanthrenequinone. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2018 , 124, 901-907	0.7	2
22	Liquid Phase Epitaxy growth, structure and spectroscopy of highly-doped 20 at.% Yb ³⁺ :LiYF ₄ thin films. <i>Journal of Luminescence</i> , 2021 , 236, 118071	3.8	2
21	Influence of Gold Nanoparticles on the Luminescence of an Acrylated Isocyanonaphthalene Derivative. <i>Advances in Condensed Matter Physics</i> , 2019 , 2019, 1-5	1	1
20	Photophysical Properties of Multilayer Graphene-Quantum Dots Hybrid Structures. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
19	A porous matrix for studying the optical properties of systems of close-packed quantum dots. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2014 , 81, 449	0.9	1
18	Diffusion relaxation of photoinduced gratings in polyvinyl acetate latex films. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2011 , 110, 464-473	0.7	1
17	Tracer diffusion properties of core-shell latex films studied by photoinduced grating relaxation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 2823-2834	2.6	1
16	Rigid polymer materials with hologram enhancement by molecular diffusion 2003 , 5005, 1		1
15	Dark stability of holograms and holographic investigation of slow diffusion in polymers 1991 , 1238, 266		1

14	Photochemical isomerization of thioindigo derivatives embedded in poly(methyl methacrylate). <i>Polymer Science USSR</i> , 1986 , 28, 963-971		1
13	Two-model spectral study of volume holograms in materials with diffusion-based mechanisms. <i>Optical Engineering</i> , 2019 , 58, 1	1.1	1
12	Recording dynamics and temperature impact on volume holograms in fluorite crystals with color centers 2015 ,		1
11	Low-loss fs-laser-written surface waveguide lasers at $>2 \mu\text{m}$ in monoclinic Tm:MgWO. <i>Optics Letters</i> , 2020 , 45, 4060-4063	3	1
10	Spectral analysis of volume holograms in materials with diffusion-based formation mechanisms by means of Coupled wave theory and Kramers-Kronig relations 2018 ,		1
9	Arsenic trisulfide-doped silica-based porous glass. <i>Optics and Laser Technology</i> , 2022 , 147, 107658	4.2	0
8	Luminescent Microthermometry of Laser Heating Using Semiconductor Nanoplatelets. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018 , 125, 769-772	0.7	0
7	Modulation spectra of volume holograms recorded in additively colored fluorite crystals. <i>Journal of Physics: Conference Series</i> , 2017 , 917, 062046	0.3	
6	The stability of holographic gratings with micron and nanometer periodicity photoinduced in hybrid photochromic materials based on polyorganosilsesquioxanes. <i>Nanotechnologies in Russia</i> , 2009 , 4, 510-517	0.6	
5	Three-dimensional holography of femtosecond laser pulses 1994 , 2097, 389		
4	Dynamics recording of holographic gratings in a photochromic crystal of calcium fluoride. <i>Journal of Physics: Conference Series</i> , 2016 , 735, 012011	0.3	
3	Investigation of nanomechanical oscillators based on amorphous carbon whiskers in vacuum and at ambient pressure. <i>Journal of Physics: Conference Series</i> , 2016 , 769, 012062	0.3	
2	Study of diffusion in bulk polymer films below glass transition: evidences of dynamical heterogeneities. <i>Journal of Physics: Conference Series</i> , 2018 , 1062, 012020	0.3	
1	Luminescence of Single Semiconductor Nanocrystals at Room Temperature as Observed with Confocal Microscopy. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018 , 125, 765-768	0.7	