

Valentin

List of Publications by Year in descending order

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25
papers

177
citations

1040056

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1125743

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docs citations

25
times ranked

202
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical and Nonlinear Properties of Photonic Polymer Nanocomposites and Holographic Gratings Modified with Noble Metal Nanoparticles. <i>Polymers</i> , 2020, 12, 480.	4.5	29
2	Optical, photoelectric, and photorefractive properties of Ti-doped CdTe crystals. <i>Journal of Applied Physics</i> , 2003, 94, 4896.	2.5	18
3	Large third-order optical nonlinearities in iron oxide thin films synthesized by reactive pulsed laser deposition. <i>Optical Materials</i> , 2016, 60, 123-127.	3.6	15
4	Nonlinear refraction in nanocrystalline silicon carbide films. <i>JETP Letters</i> , 2008, 88, 386-388.	1.4	14
5	Broadband optical limiting in thin nanostructured silicon carbide films and its nature. <i>Optics Communications</i> , 2016, 364, 88-92.	2.1	14
6	Intensity dependent nonlinear absorption coefficients and nonlinear refractive indices of glass-forming ionic liquid crystals doped with gold and silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2018, 267, 56-60.	4.9	13
7	Large third-order optical nonlinearity in PdO thin films. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2017, 26, 1750037.	1.8	12
8	Enhanced optical nonlinearity of the "nonlinear host" nonlinear guest-glassy nanocomposites made of the mesomorphic cobalt octanoate and noble metal nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 648.	2.1	11
9	Photorefractive Properties of CdTe:Sn. <i>Physica Status Solidi A</i> , 2001, 183, 337-343.	1.7	9
10	Nonlinear-optical and structural properties of nanocrystalline silicon carbide films. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 205-211.	0.9	7
11	Nonlinear optical properties of metal alkanoate composites with hybrid core/shell nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 823-829.	3.1	6
12	Femtosecond optical nonlinearity of Au nanoparticles under their excitation in nonresonant relative to surface plasmon conditions. <i>Applied Physics B: Lasers and Optics</i> , 2013, 111, 567-572.	2.2	5
13	Cubic Optical Nonlinearity of Thin Fe ₂ O ₃ and Cr ₂ O ₃ Films Synthesized by Pulsed Laser Deposition. <i>Ukrainian Journal of Physics</i> , 2016, 61, 495-501.	0.2	5
14	Probing Optical Nonlinearities of Unconventional Glass Nanocomposites Made of Ionic Liquid Crystals and Bimetallic Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 924.	4.1	5
15	Optical limiting effects in nanostructured silicon carbide thin films. <i>Quantum Electronics</i> , 2013, 43, 1122-1126.	1.0	4
16	Nonlinear Optical Properties of Polymer Nanocomposites with a Random and Periodic Distribution of Silver Nanoparticles. <i>Springer Proceedings in Physics</i> , 2018, , 333-344.	0.2	4
17	<title>Nanosecond photorefractive gratings in CdTe:Fe crystals with high mobility</title> . , 1998, 3294, 115.		2
18	High refractive nonlinearity of PdO films under femtosecond 800nm laser pulses. <i>Journal of Applied Physics</i> , 2020, 128, 013108.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Characteristics of Plasmon Resonance of Gold Nanoparticles in Three-Layer Systems AuNP-Al ₂ O ₃ -PdO(Pd). Plasmonics, 2022, 17, 859-867.	3.4	2
20	<title>Characterization of CdTe:Fe crystals by means of transient holography</title>. , 1998, , .		0
21	Photorefractive gratings formed in a Fe : CdTe crystal by nanosecond laser pulses. Quantum Electronics, 1998, 28, 66-68.	1.0	0
22	<title>Photorefractive dynamic grating recording in new semiconductor crystal of CdTe:Sn</title>. , 2001, , .		0
23	Size Dependence of the Third-Order Optical Nonlinear Susceptibility of PbS Nanocrystals in PVA. Molecular Crystals and Liquid Crystals, 2007, 467, 247-253.	0.9	0
24	Synthesis and study of structure and nonlinear optical properties of silicon carbide nanocrystal films. Proceedings of SPIE, 2008, , .	0.8	0
25	Enhanced optical nonlinearity of the glassy composites based on of the cobalt octanoate and noble metal nanoparticles at the off-resonance excitation. , 2016, , .		0