

Elena D Mishina

List of Publications by Year in descending order

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157
papers

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#	ARTICLE	IF	CITATIONS
1	Bioinspired peptide nanotubes: deposition technology, basic physics and nanotechnology applications. <i>Journal of Peptide Science</i> , 2011, 17, 75-87.	1.4	97
2	Structural Transition in Peptide Nanotubes. <i>Biomacromolecules</i> , 2011, 12, 1349-1354.	5.4	90
3	Temperature-driven phase transformation in self-assembled diphenylalanine peptide nanotubes. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 462001.	2.8	88
4	Nonlinear Optical Bioinspired Peptide Nanostructures. <i>Advanced Optical Materials</i> , 2013, 1, 875-884.	7.3	74
5	dc-electric-field-induced second-harmonic generation in Si(111)-SiO ₂ -Cr metal-oxide-semiconductor structures. <i>Physical Review B</i> , 1996, 54, 1825-1832.	3.2	73
6	dc-electric-field-induced and low-frequency electromodulation second-harmonic generation spectroscopy of Si(001)/SiO ₂ interfaces. <i>Physical Review B</i> , 1999, 60, 8924-8938.	3.2	73
7	Observation of a Near-Surface Structural Phase Transition in SrTiO ₃ by Optical Second Harmonic Generation. <i>Physical Review Letters</i> , 2000, 85, 3664-3667.	7.8	65
8	Frequency-domain interferometric second-harmonic spectroscopy. <i>Optics Letters</i> , 1999, 24, 496.	3.3	61
9	Evidence of ferroelectricity and phase transition in pressed diphenylalanine peptide nanotubes. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	60
10	Terahertz Magnon-Polaritons in TmFeO ₃ . <i>ACS Photonics</i> , 2018, 5, 1375-1380.	6.6	58
11	Growth and Nonlinear Optical Properties of β -Glycine Crystals Grown on Pt Substrates. <i>Crystal Growth and Design</i> , 2014, 14, 2831-2837.	3.0	42
12	Polarization switching and patterning in self-assembled peptide tubular structures. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	41
13	THz Electric Field-Induced Second Harmonic Generation in Inorganic Ferroelectric. <i>Scientific Reports</i> , 2017, 7, 687.	3.3	40
14	Observation of two polytypes of MoS ₂ ultrathin layers studied by second harmonic generation microscopy and photoluminescence. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	39
15	Controlled growth of metallic inverse opals by electrodeposition. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15414.	2.8	38
16	Self-Assembled Cu/Cu ₂ O Multilayers: Deposition, Structure and Optical Properties. <i>Nano Letters</i> , 2001, 1, 401-404.	9.1	37
17	Domain orientation in ultrathin (Ba,Sr)TiO ₃ films measured by optical second harmonic generation. <i>Journal of Applied Physics</i> , 2003, 93, 6216-6222.	2.5	33
18	Nonlinear-optical probing of nanosecond ferroelectric switching. <i>Applied Physics Letters</i> , 2003, 83, 2402-2404.	3.3	31

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19	Enhanced terahertz emission from strain-induced InGaAs/InAlAs superlattices. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	31
20	Engineered spatial inversion symmetry breaking in an oxide heterostructure built from isosymmetric room-temperature magnetically ordered components. <i>Chemical Science</i> , 2014, 5, 1599-1610.	7.4	30
21	Polarization control of THz emission using spin-reorientation transition in spintronic heterostructure. <i>Scientific Reports</i> , 2021, 11, 697.	3.3	27
22	Porous silicon-based ferroelectric nanostructures. <i>Journal of Experimental and Theoretical Physics</i> , 2002, 95, 502-504.	0.9	21
23	Strong Thermo-Induced Single And Two-Photon Green Luminescence In Self-Organized Peptide Microtubes. <i>Small</i> , 2015, 11, 1156-1160.	10.0	21
24	Local probing of the polarization state in thin Pb(ZrTi)O ₃ films during polarization reversal. <i>Applied Physics Letters</i> , 2001, 78, 796-798.	3.3	20
25	Second harmonic generation in the bulk of silicon induced by an electric field of a high power terahertz pulse. <i>Scientific Reports</i> , 2019, 9, 9753.	3.3	20
26	Thin ferroelectric films: Preparation and prospects of integration. <i>Physics of the Solid State</i> , 2010, 52, 762-770.	0.6	19
27	The electromagnetic (classical) mechanism of surface enhanced second harmonic generation and Raman scattering in island films. <i>Solid State Communications</i> , 1989, 70, 1021-1024.	1.9	18
28	Photoinduced dynamics and femtosecond excitation of phonon modes in ferroelectric semiconductor Sn ₂ P ₂ S ₆ . <i>JETP Letters</i> , 2015, 102, 372-377.	1.4	18
29	Optical second harmonic generation studies of thin ferroelectric ceramic films. <i>Ferroelectrics</i> , 1997, 190, 143-148.	0.6	17
30	Direct imaging of lattice-strain-induced stripe phases in an optimally doped manganite film. <i>Physical Review B</i> , 2007, 75, .	3.2	17
31	Macroscopic Size Effects in Second Harmonic Generation from Si(111) Coated by Thin Oxide Films: The Role of Optical Casimir Nonlocality. <i>Physical Review Letters</i> , 1997, 78, 46-49.	7.8	16
32	Optical Second Harmonic Generation during the Electrocatalytic Oxidation of Formaldehyde on Pt(111): A Potentiostatic Regime versus Galvanostatic Potential Oscillations. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10199-10204.	2.6	16
33	Optical second-harmonic generation studies of thin lead-zirconate-titanate ferroelectric films. <i>Ferroelectrics</i> , 1996, 186, 215-218.	0.6	15
34	Terahertz-radiation generation and detection in low-temperature-grown GaAs epitaxial films on GaAs (100) and (111)A substrates. <i>Semiconductors</i> , 2017, 51, 503-508.	0.5	15
35	Second harmonic generation at a semiconductor-electrolyte interface and investigation of the surface of silicon by the nonlinear electroreflection method. <i>Soviet Journal of Quantum Electronics</i> , 1991, 21, 854-859.	0.1	14
36	Adlayers of Keggin Type Polytungstate Anions on Platinum: Negligible Electrochemical Signatures and Manifestations of Molecular UPD. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17096-17105.	2.6	14

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37	Switchable nonlinear metalloferroelectric photonic crystals. Applied Physics Letters, 2007, 91, .	3.3	14
38	Optical Second Harmonic Generation Microscopy for Ferroic Materials. Ferroelectrics, 2015, 477, 29-46.	0.6	14
39	Second harmonic generation in nanoscale films of transition metal dichalcogenide: Accounting for multipath interference. AIP Advances, 2016, 6, 095306.	1.3	14
40	The photoinduced anisotropy of second harmonic generation in monolayered Langmuir-Blodgett films. Thin Solid Films, 1995, 256, 176-181.	1.8	13
41	Nonlinear optical properties of oligothiophene self-assembled monolayers on gold substrate. Journal of Chemical Physics, 2002, 117, 4016-4021.	3.0	13
42	Giant negative photoconductivity in La _{0.7} Ca _{0.3} MnO ₃ thin films. Journal of Applied Physics, 2004, 95, 7360-7362.	2.5	13
43	Second harmonic generation in microdomain gratings fabricated in strontium-barium niobate crystals with an atomic force microscope. Journal of Applied Physics, 2011, 110, 052015.	2.5	13
44	Characterization of electron-beam recorded microdomain patterns on the nonpolar surface of LiNbO ₃ crystal by nondestructive methods. Applied Physics Letters, 2014, 105, .	3.3	13
45	Dynamics of surface reconstruction and electrodeposition studied in situ by second harmonic generation. Surface Science, 2001, 494, L748-L754.	1.9	12
46	Crystallization of PZT in Porous Alumina Membrane Channels. Ferroelectrics, 2006, 336, 247-254.	0.6	12
47	High mobility thin film transistors with indium oxide/gallium oxide bi-layer structures. Applied Physics Letters, 2012, 100, 063506.	3.3	12
48	Optical second harmonic generation and its photoinduced dynamics in ferroelectric semiconductor Sn ₂ P ₂ S ₆ . Physics of the Solid State, 2018, 60, 31-36.	0.6	12
49	Ferroelectric nanostructures sputtered on alumina membranes. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 25, 35-41.	2.7	11
50	Enhanced Magnetization and Ferroelectric Switching in Multiferroic BST/BNFO Superstructures. Ferroelectrics, 2012, 433, 158-163.	0.6	11
51	Transient Second Harmonic Generation Induced by Single Cycle THz pulses in Ba _{0.8} Sr _{0.2} TiO ₃ /MgO. Scientific Reports, 2019, 9, 697.	3.3	11
52	Dynamics of Magnetization in Multilayer TbCo / FeCo Structures under the Influence of Femtosecond Optical Excitation. Russian Technological Journal, 2019, 7, 50-58.	1.0	11
53	Hyper-Rayleigh scattering from Langmuir films of C ₆₀ and its derivatives. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1692.	2.1	10
54	Strain-Induced InGaAs-Based Photoconductive Terahertz Antenna Detector. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 417-424.	3.1	10

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55	Ultrastructural features of the tegumental surface of a new metacercaria, <i>Nematostrigea</i> sp. (Trematoda: Strigeidae), with a search for potential taxonomically informative characters. <i>Systematic Parasitology</i> , 2010, 75, 59-73.	1.1	9
56	Ferroelectric Properties and Phase Transition in Dipeptide Nanotubes. <i>Ferroelectrics</i> , 2012, 430, 84-91.	0.6	9
57	E-Beam Recording of Domain Structures on the Nonpolar Surface of LiNbO_3 Crystals at Different SEM Voltages and Their Investigation by PFM and SHG Microscopy. <i>Ferroelectrics</i> , 2015, 480, 49-57.	0.6	9
58	Second Harmonic Generation as a Nondestructive Readout of Optical (Photo(electro)chromic and) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.5	8
59	Optical properties of a self-assembled Cu/Cu ₂ O multilayered structure studied in situ during deposition. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 127-133.	2.8	8
60	A study of the structural phase transition in strontium titanate single crystal by coherent and incoherent second optical harmonic generation. <i>Journal of Experimental and Theoretical Physics</i> , 2002, 94, 552-567.	0.9	8
61	Ferroelectrics Templated in Nanoporous Silicon Membranes. <i>Ferroelectrics</i> , 2003, 286, 205-211.	0.6	8
62	Photoluminescence studies of oligothiophene self-assembled monolayers at low excitation energy. <i>Journal of Chemical Physics</i> , 2004, 120, 9763-9768.	3.0	8
63	ZnO single crystal and epitaxial thin film studied by second harmonic generation and photoluminescence. <i>Superlattices and Microstructures</i> , 2006, 39, 83-90.	3.1	8
64	Quadratic effects in the nonlinear magneto-optical response of perovskite manganites studied with magnetization-induced second harmonic generation. <i>Physical Review B</i> , 2007, 75, .	3.2	8
65	Magnetophotonic properties of inverse magnetic metal opals. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 833-835.	2.3	8
66	Effects of the depolarization field in a perforated film of the biaxial ferroelectric. <i>Physics of the Solid State</i> , 2012, 54, 2243-2252.	0.6	8
67	Femtosecond Infrared Laser Annealing of PZT Films on a Metal Substrate. <i>Ferroelectrics</i> , 2012, 433, 164-169.	0.6	8
68	Edge effects in second-harmonic generation in nanoscale layers of transition-metal dichalcogenides. <i>Semiconductors</i> , 2015, 49, 791-796.	0.5	8
69	Epitaxial stresses in an InGaAs photoconductive layer for terahertz antennas. <i>Technical Physics Letters</i> , 2017, 43, 1020-1022.	0.7	8
70	Optical Diagnostics of WSe ₂ Monolayers. <i>Technical Physics Letters</i> , 2017, 43, 1112-1114.	0.7	8
71	Ultrafast polarization switching of (BaSr)TiO ₃ thin film by a single-period terahertz pulse in a vicinity of phase transition. <i>Ferroelectrics</i> , 2018, 532, 199-207.	0.6	8
72	Oxide-thickness dependence of second harmonic generation from thick thermal oxides on Si(111). <i>Surface Science</i> , 1995, 331-333, 1367-1371.	1.9	7

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73	Co-adsorption of Cu and Keggin type polytungstates on polycrystalline Pt: interplay of atomic and molecular UPD. Faraday Discussions, 2008, 140, 245-267.	3.2	7
74	High-frequency polarization switching of a thin ferroelectric film. Physical Review B, 2010, 82, .	3.2	7
75	Terahertz wave generation in periodically poled lithium niobate crystals fabricated using two alternative techniques. Laser Physics Letters, 2013, 10, 055404.	1.4	7
76	Photoinduced spin dynamics in a uniaxial intermetallic heterostructure $\text{[TbCo]}_2/\text{[FeCo]}$. Scientific Reports, 2020, 10, 15785.	3.3	7
77	A Photoconductive THz Detector Based on a Superlattice Heterostructure with Plasmonic Amplification. Technical Physics Letters, 2020, 46, 1111-1115.	0.7	7
78	Transient Polarization Reversal using an Intense THz Pulse in Silicon-Doped Lead Germanate. Physica Status Solidi - Rapid Research Letters, 2021, 15, .	2.4	7
79	Kinetic profile of adsorption and self-assembling of thiophene oligomers studied by optical second harmonic generation. Surface Science, 2003, 544, 269-276.	1.9	6
80	FERROELECTRICS IN PLANAR GEOMETRY: FABRICATION AND PERSPECTIVES FOR INTEGRATION. Integrated Ferroelectrics, 2009, 106, 1-10.	0.7	6
81	Nonlinear-optical study of magnetoelectric interactions in multilayer structures. Ferroelectrics, 2016, 500, 37-46.	0.6	6
82	Ultrafast carrier dynamics in LT-GaAs doped with Si delta layers. International Journal of Modern Physics B, 2017, 31, 1750195.	2.0	6
83	Polarization switching in ferroelectric thin film induced by a single-period terahertz pulse. MRS Advances, 2018, 3, 1901-1906.	0.9	6
84	Impact of compressive and tensile epitaxial strain on transport and nonlinear optical properties of magnetoelectric $\text{BaTiO}_3\text{-(LaCa)MnO}_3$ tunnel junction. Journal Physics D: Applied Physics, 2021, 54, 275302.	2.8	6
85	Sensitivity enhancement of two-dimensional WSe_2 -based photodetectors by ordered Ag plasmonic nanostructures. Applied Physics Express, 2021, 14, 075005.	2.4	6
86	Increasing the Efficiency of a Spintronic THz Emitter Based on WSe_2/FeCo . Materials, 2021, 14, 6479.	2.9	6
87	Structural studies of epitaxial PbTiO_3 films by optical second harmonic generation. Thin Solid Films, 1998, 336, 291-294.	1.8	5
88	Nonlinear-optical and micro-Raman diagnostics of thin films and nanostructures of ABO_3 ferroelectrics. Physics of the Solid State, 2006, 48, 1210-1213.	0.6	5
89	Bioinspired Peptide Nanotubes: Ferroelectricity at Nanoscale. Integrated Ferroelectrics, 2012, 134, 48-49.	0.7	5
90	Nonlinear optical microscopy and spectroscopy of ferroelectric and multiferroic materials. Physics of the Solid State, 2012, 54, 887-893.	0.6	5

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91	Microdomain Arrays Fabricated in Strontium-Barium Niobate Crystals by Microscopic Methods. <i>Ferroelectrics</i> , 2013, 442, 63-73.	0.6	5
92	Second harmonic generation in nanoscale films of transition metal chalcogenides: Taking into account multibeam interference. <i>Optics and Spectroscopy (English Translation of Optika i Tj ETQq 0 0 rgBT /Overlock 10 T650 697 Td</i>	1.0	5
93	Photoexcitation Carrier Kinetics in WSe_2 Nanolayers in the Vicinity of the Band Edge. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700259.	1.5	5
94	Optical Characterization of the Structural Imperfection of Two-Dimensional MoS_2 Crystallites. <i>Technical Physics Letters</i> , 2018, 44, 1008-1009.	0.7	5
95	Ultrafast Dynamics of Photoexcited Charge Carriers in $In_{0.53}Ga_{0.47}As/In_{0.52}Al_{0.48}As$ Superlattices under Femtosecond Laser Excitation. <i>Semiconductors</i> , 2018, 52, 864-869.	0.5	5
96	The temperature dependence of the photoinduced soft mode in $Sn_2P_2S_6$ crystal. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950061.	2.0	5
97	The unusual spin reorientation transition and exchange bias effect in $Er_{0.6}Dy_{0.4}FeO_3$ single crystal. <i>Applied Physics Letters</i> , 2020, 116, 192409.	3.3	5
98	Tunable Spectral Properties of Photodetectors Based on Quaternary Transition Metal Dichalcogenide Alloys $Mo_xW_{(1-x)}Se_{2y}S_{2(1-y)}$. <i>IEEE Sensors Journal</i> , 2021, 21, 325-330.	4.7	5
99	Photomodulated Second-Harmonic Generation at Silicon-Silicon Oxide Interfaces: From Modeling to Application. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 6731-6736.	1.5	4
100	Nonlinear Optics of Ferroelectrics: Towards Nanometers and Picoseconds. <i>Ferroelectrics</i> , 2005, 314, 57-72.	0.6	4
101	POLARIZATION SWITCHING IN FERROELECTRIC THIN FILMS STUDIED BY OPTICAL SECOND HARMONIC GENERATION. <i>Integrated Ferroelectrics</i> , 2007, 92, 65-76.	0.7	4
102	Switchable nonlinear two-dimensional ferroelectric photonic crystal. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007, 71, 1388-1391.	0.6	4
103	The Influence of the Annealing Regime on the Properties of Terahertz Antennas Based on Low-Temperature-Grown Gallium Arsenide. <i>Technical Physics Letters</i> , 2018, 44, 44-46.	0.7	4
104	Nonlinear Optical Spectroscopy of Two-Dimensional WSe_2 Nanoflakes. <i>MRS Advances</i> , 2019, 4, 635-641.	0.9	4
105	Effect of Epitaxial Stresses on the Time Dynamics of Photoexcited Charge Carriers in $InGaAs$ -Based Superlattices. <i>MRS Advances</i> , 2019, 4, 15-20.	0.9	4
106	Effects of Crystallographic Orientation of GaAs Substrate and the Period of Plasmon Grid on THz Antenna Performance. <i>Annalen Der Physik</i> , 2021, 533, 2100041.	2.4	4
107	Ferroelectric switching by (sub)-picosecond electromagnetic pulse. <i>Ferroelectrics</i> , 2021, 577, 1-12.	0.6	4
108	Generation of elliptically polarized terahertz radiation from black phosphorus crystallites. <i>Optical Engineering</i> , 2021, 60, .	1.0	4

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109	Probing the silicon-silicon oxide interface of Si(111) β -SiO ₂ -Cr MOS structures by DC-electric-field-induced second harmonic generation. <i>Surface Science</i> , 1996, 352-354, 1033-1037.	1.9	3
110	Second harmonic generation interferometer for structural studies of thin ferroelectric ceramic films. <i>Ferroelectrics</i> , 1998, 218, 1-7.	0.6	3
111	Nonlinear optics for surface phase transitions. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 765-775.	2.2	3
112	Nonlinear optical and electrostatic force microscopy for ferroelectric polarization imaging. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 783-788.	2.2	3
113	Structural investigation of CuIn ₅ Se ₈ single crystals by optical second harmonic generation, ellipsometry, and photoluminescence. <i>Applied Physics Letters</i> , 2006, 89, 151915.	3.3	3
114	Investigation of ferroelectric properties of bismuth ferrite films by the second optical harmonic generation technique. <i>Physics of the Solid State</i> , 2009, 51, 1356-1359.	0.6	3
115	Nonlinear optical diagnostics of local crystallization of lead zirconate titanate films using femtosecond laser radiation. <i>Technical Physics Letters</i> , 2015, 41, 418-421.	0.7	3
116	Enhancement of local piezoelectric properties of a perforated ferroelectric thin film visualized via piezoresponse force microscopy. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 425303.	2.8	3
117	The Role of Excitation Photons Energy in the Photoinduced Carrier Dynamics in InGaAs/InAlAs Superlattice Heterostructures. <i>Technical Physics Letters</i> , 2018, 44, 1115-1119.	0.7	3
118	High-Sensitivity Photodetector Based on Atomically Thin MoS ₂ . <i>Semiconductors</i> , 2018, 52, 771-775.	0.5	3
119	Ultrafast Magnetization Reversal in DyFeCo Thin Film by Single Femtosecond Laser Pulse. <i>Physics of Metals and Metallography</i> , 2019, 120, 825-830.	1.0	3
120	Free-carrier generation dynamics induced by ultrashort intense terahertz pulses in silicon. <i>Optics Express</i> , 2021, 29, 26093.	3.4	3
121	Optical Second Harmonic Generation for Determination the Domain Orientation in Thin Ferroelectric Films. <i>Ferroelectrics</i> , 2003, 286, 279-290.	0.6	2
122	Nonlinear optical detection of terahertz-frequency radiation in crystals with periodic domain structure. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tz 50 217 T		
123	A computer-aided two-photon scanning microscope. <i>Instruments and Experimental Techniques</i> , 2012, 55, 78-84.	0.5	2
124	Bioferroelectricity and biopiezelectricity. <i>Physics of the Solid State</i> , 2012, 54, 1263-1268.	0.6	2
125	Polarization switching in perforated ferroelectric films. <i>Physics of the Solid State</i> , 2014, 56, 2005-2009.	0.6	2
126	Transport properties of a ferroelectric tunnel junction in bilayer ferroelectric/manganite structures. <i>Physics of the Solid State</i> , 2014, 56, 1144-1149.	0.6	2

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127	Nonlinear Optical Properties of Triphenylalanine-based Peptide Nanostructures. Russian Physics Journal, 2016, 59, 8-15.	0.4	2
128	Dependence of the optimum parameters of femtosecond laser annealing of lead zirconate titanate films on their thickness. Physics of the Solid State, 2016, 58, 1154-1159.	0.6	2
129	Nonlinear Optical Diagnostics of Thin Polycrystalline Lead Zirconate Titanate Films. Technical Physics Letters, 2020, 46, 385-388.	0.7	2
130	THz surface emission from bulk and monolayer WSe ₂ . AIP Conference Proceedings, 2021, , .	0.4	2
131	Numerical simulations and experimental study of terahertz photoconductive antennas based on GaAs and its ternary compounds. , 2018, , .		2
132	Laser-induced spin dynamics in the iron-yttrium garnet film doped with Si ions. Russian Technological Journal, 2020, 8, 58-66.	1.0	2
133	Nonlinear terahertz pulse induced polarization dynamics in ferroelectric Ba _{0.8} Sr _{0.2} TiO ₃ thin film. Scripta Materialia, 2022, 214, 114687.	5.2	2
134	Investigation of a ferroelectric/manganite heterostructure by second optical harmonic generation. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1277-1280.	0.6	1
135	Polarization Dynamics of a Thin Ferroelectric Film. Ferroelectrics, 2010, 400, 269-275.	0.6	1
136	Mapping of two-photon luminescence amplification in zinc-oxide microstructures. Semiconductors, 2012, 46, 360-362.	0.5	1
137	Explosive crystallization of PZT microstructures by femtosecond infrared radiation. Journal of Physics: Conference Series, 2015, 661, 012037.	0.4	1
138	Photoinduced gratings in a Sn ₂ P ₂ S ₆ ferroelectric crystal with the period depending on the optical pump power. JETP Letters, 2017, 105, 158-163.	1.4	1
139	Ultrafast magnetization dynamics in the vicinity of spin reorientation transition in TbCo ₂ /FeCo heterostructures. Journal of Physics Condensed Matter, 2020, 32, 225803.	1.8	1
140	Optical and Structural Characteristics of Two Dimensional Transition Metal Dichalcogenide Materials. Journal of Nanoelectronics and Optoelectronics, 2019, 14, 1048-1055.	0.5	1
141	Ultrafast manipulation of magnetic anisotropy in a uniaxial intermetallic heterostructure TbCo ₂ /FeCo. Journal Physics D: Applied Physics, 2022, 55, 175001.	2.8	1
142	<title>New directions in surface spectroscopy enabled by ultrafast lasers</title>. , 1998, 3272, 51.		0
143	Size effects in second harmonic generation from Si(001)-SiO ₂ interface: microscopic interface effects and optical Casimir nonlocality. , 1999, , .		0
144	Title is missing!. Russian Microelectronics, 2001, 30, 371-380.	0.5	0

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145	Kinetics of Adsorption and Self-assembling of Thiophene and Dodecanethiol Studied by Optical Second Harmonic Generation. Chemistry Letters, 2003, 32, 652-653.	1.3	0
146	Excitonic luminescence in oligothiophene aggregated films and self-assembled monolayers. Solid State Communications, 2009, 149, 2232-2234.	1.9	0
147	Optical chirality in plasmonic arrays of subwavelength Z-shaped apertures. , 2010, , .		0
148	Femtosecond dynamics of resonantly enhanced surface plasmons in planar plasmonic crystals. , 2010, , .		0
149	Femtosecond infrared laser annealing of ferroelectric PZT films on a metal substrate. , 2012, , .		0
150	Nonlinear optical spectroscopy of (La _{0.6} Pr _{0.4}) _{0.7} Ca _{0.3} MnO ₃ manganite. JETP Letters, 2012, 96, 326-331.	1.4	0
151	Highly sensitive photodetector based on transition metal dichalcogenides monolayer. , 2017, , .		0
152	Influence of artificially created stress in the buffer layer of the structure with active layer In _{0.38} Ga _{0.62} As on the THz generation by ultrashort laser pulses. , 2017, , .		0
153	Kinetics of photoexcited carriers in WSe ₂ monolayer under high excitation. , 2017, , .		0
154	Femtosecond Laser Writing of Waveguide Microstructures in Pb(Zr,Ti)O ₃ Films and Their Characterization by the Nonlinear Optical Method. Technical Physics Letters, 2018, 44, 538-540.	0.7	0
155	The propagation effects in ultrafast nonlinear electro-optical modulation in thin film on a substrate. Journal of Physics: Conference Series, 2020, 1556, 012009.	0.4	0
156	New Materials and Structures for Efficient Terahertz (THz) Spectroscopy. Journal of Communications Technology and Electronics, 2021, 66, 1045-1052.	0.5	0
157	Ultrafast Modulation of Ferroelectric Polarization in a Ba _{0.8} Sr _{0.2} TiO ₃ Film with an Intensive Subperiodic Terahertz Pulse. High Temperature, 2020, 58, 942-944.	1.0	0