

Elena D Mishina

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ultrafast manipulation of magnetic anisotropy in a uniaxial intermetallic heterostructure TbCo ₂ /FeCo. Journal Physics D: Applied Physics, 2022, 55, 175001.	2.8	1
2	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
3	Tunable Spectral Properties of Photodetectors Based on Quaternary Transition Metal Dichalcogenide Alloys Mo _x W _(1-x) Se _{2y} S _{2(1-y)} . IEEE Sensors Journal, 2021, 21, 325-330.	4.7	5
4	Transient Polarization Reversal using an Intense THz Pulse in Silicon-Doped Lead Germanate. Physica Status Solidi - Rapid Research Letters, 2021, 15, .	2.4	7
5	Strain-Induced InGaAs-Based Photoconductive Terahertz Antenna Detector. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 417-424.	3.1	10
6	Polarization control of THz emission using spin-reorientation transition in spintronic heterostructure. Scientific Reports, 2021, 11, 697.	3.3	27
7	THz surface emission from bulk and monolayer WSe ₂ . AIP Conference Proceedings, 2021, , .	0.4	2
8	Impact of compressive and tensile epitaxial strain on transport and nonlinear optical properties of magnetoelectric BaTiO ₃ -(LaCa)MnO ₃ tunnel junction. Journal Physics D: Applied Physics, 2021, 54, 275302.	2.8	6
9	Effects of Crystallographic Orientation of GaAs Substrate and the Period of Plasmon Grid on THz Antenna Performance. Annalen Der Physik, 2021, 533, 2100041.	2.4	4
10	Ferroelectric switching by (sub)-picosecond electromagnetic pulse. Ferroelectrics, 2021, 577, 1-12.	0.6	4
11	Sensitivity enhancement of two-dimensional WSe ₂ -based photodetectors by ordered Ag plasmonic nanostructures. Applied Physics Express, 2021, 14, 075005.	2.4	6
12	Free-carrier generation dynamics induced by ultrashort intense terahertz pulses in silicon. Optics Express, 2021, 29, 26093.	3.4	3
13	Generation of elliptically polarized terahertz radiation from black phosphorus crystallites. Optical Engineering, 2021, 60, .	1.0	4
14	New Materials and Structures for Efficient Terahertz (THz) Spectroscopy. Journal of Communications Technology and Electronics, 2021, 66, 1045-1052.	0.5	0
15	Increasing the Efficiency of a Spintronic THz Emitter Based on WSe ₂ /FeCo. Materials, 2021, 14, 6479.	2.9	6
16	Photoinduced spin dynamics in a uniaxial intermetallic heterostructure $\text{TbCo}_2/\text{FeCo}$. Scientific Reports, 2020, 10, 15785.	3.3	7
17	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
18	Nonlinear Optical Diagnostics of Thin Polycrystalline Lead Zirconate Titanate Films. Technical Physics Letters, 2020, 46, 385-388.	0.7	2

#	ARTICLE	IF	CITATIONS
19	A Photoconductive THz Detector Based on a Superlattice Heterostructure with Plasmonic Amplification. <i>Technical Physics Letters</i> , 2020, 46, 1111-1115.	0.7	7
20	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
21	Ultrafast magnetization dynamics in the vicinity of spin reorientation transition in TbCo ₂ /FeCo heterostructures. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 225803.	1.8	1
22	Laser-induced spin dynamics in the iron-yttrium garnet film doped with Si ions. <i>Russian Technological Journal</i> , 2020, 8, 58-66.	1.0	2
23	Ultrafast Modulation of Ferroelectric Polarization in a Ba _{0.8} Sr _{0.2} TiO ₃ Film with an Intensive Subperiodic Terahertz Pulse. <i>High Temperature</i> , 2020, 58, 942-944.	1.0	0
24	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
25	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
26	Nonlinear Optical Spectroscopy of Two-Dimensional WSe ₂ Nanoflakes. <i>MRS Advances</i> , 2019, 4, 635-641.	0.9	4
27	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
28	Enhanced terahertz emission from strain-induced InGaAs/InAlAs superlattices. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	31
29	The temperature dependence of the photoinduced soft mode in Sn ₂ P ₂ S ₆ crystal. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950061.	2.0	5
30	Transient Second Harmonic Generation Induced by Single Cycle THz pulses in Ba _{0.8} Sr _{0.2} TiO ₃ /MgO. <i>Scientific Reports</i> , 2019, 9, 697.	3.3	11
31	Dynamics of Magnetization in Multilayer TbCo / FeCo Structures under the Influence of Femtosecond Optical Excitation. <i>Russian Technological Journal</i> , 2019, 7, 50-58.	1.0	11
32	Optical and Structural Characteristics of Two Dimensional Transition Metal Dichalcogenide Materials. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2019, 14, 1048-1055.	0.5	1
33	Optical second harmonic generation and its photoinduced dynamics in ferroelectric semiconductor Sn ₂ P ₂ S ₆ . <i>Physics of the Solid State</i> , 2018, 60, 31-36.	0.6	12
34	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
35	Polarization switching in ferroelectric thin film induced by a single-period terahertz pulse. <i>MRS Advances</i> , 2018, 3, 1901-1906.	0.9	6
36	Terahertz Magnon-Polaritons in TmFeO ₃ . <i>ACS Photonics</i> , 2018, 5, 1375-1380.	6.6	58

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37	Photoexcitation Carrier Kinetics in WSe ₂ Nanolayers in the Vicinity of the Band Edge. Physica Status Solidi (B): Basic Research, 2018, 255, 1700259.	1.5	5
38	Ultrafast polarization switching of (BaSr)TiO ₃ thin film by a single-period terahertz pulse in a vicinity of phase transition. Ferroelectrics, 2018, 532, 199-207.	0.6	8
39	The Role of Excitation Photons Energy in the Photoinduced Carrier Dynamics in InGaAs/InAlAs Superlattice Heterostructures. Technical Physics Letters, 2018, 44, 1115-1119.	0.7	3
40	Optical Characterization of the Structural Imperfection of Two-Dimensional MoS ₂ Crystallites. Technical Physics Letters, 2018, 44, 1008-1009.	0.7	5
41	High-Sensitivity Photodetector Based on Atomically Thin MoS ₂ . Semiconductors, 2018, 52, 771-775.	0.5	3
42	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
43	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. Semiconductors, 2018, 52, 864-869.	0.5	5
44	Numerical simulations and experimental study of terahertz photoconductive antennas based on GaAs and its ternary compounds. , 2018, , .		2
45	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
46	Terahertz-radiation generation and detection in low-temperature-grown GaAs epitaxial films on GaAs (100) and (111)A substrates. Semiconductors, 2017, 51, 503-508.	0.5	15
47	THz Electric Field-Induced Second Harmonic Generation in Inorganic Ferroelectric. Scientific Reports, 2017, 7, 687.	3.3	40
48	Ultrafast carrier dynamics in LT-GaAs doped with Si delta layers. International Journal of Modern Physics B, 2017, 31, 1750195.	2.0	6
49	Enhancement of local piezoelectric properties of a perforated ferroelectric thin film visualized via piezoresponse force microscopy. Journal Physics D: Applied Physics, 2017, 50, 425303.	2.8	3
50	Epitaxial stresses in an InGaAs photoconductive layer for terahertz antennas. Technical Physics Letters, 2017, 43, 1020-1022.	0.7	8
51	Highly sensitive photodetector based on transition metal dichalcogenides monolayer. , 2017, , .		0
52	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
53	Optical Diagnostics of WSe ₂ Monolayers. Technical Physics Letters, 2017, 43, 1112-1114.	0.7	8
54	Kinetics of photoexcited carriers in WSe ₂ monolayer under high excitation. , 2017, , .		0

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55	Second harmonic generation in nanoscale films of transition metal dichalcogenide: Accounting for multipath interference. <i>AIP Advances</i> , 2016, 6, 095306.	1.3	14
56	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 ETQq0 0 0 rgBT /Overlock 10 T650 697 Td</i>		
57	Nonlinear Optical Properties of Triphenylalanine-based Peptide Nanostructures. <i>Russian Physics Journal</i> , 2016, 59, 8-15.	0.4	2
58	Nonlinear-optical study of magnetoelectric interactions in multilayer structures. <i>Ferroelectrics</i> , 2016, 500, 37-46.	0.6	6
59	Dependence of the optimum parameters of femtosecond laser annealing of lead zirconate titanate films on their thickness. <i>Physics of the Solid State</i> , 2016, 58, 1154-1159.	0.6	2
60	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
61	Explosive crystallization of PZT microstructures by femtosecond infrared radiation. <i>Journal of Physics: Conference Series</i> , 2015, 661, 012037.	0.4	1
62	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
63	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
64	Edge effects in second-harmonic generation in nanoscale layers of transition-metal dichalcogenides. <i>Semiconductors</i> , 2015, 49, 791-796.	0.5	8
65	Optical Second Harmonic Generation Microscopy for Ferroic Materials. <i>Ferroelectrics</i> , 2015, 477, 29-46.	0.6	14
66	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
67	Strong Thermo-induced Single And Two-photon Green Luminescence In Self-Organized Peptide Microtubes. <i>Small</i> , 2015, 11, 1156-1160.	10.0	21
68	Polarization switching in perforated ferroelectric films. <i>Physics of the Solid State</i> , 2014, 56, 2005-2009.	0.6	2
69	Characterization of electron-beam recorded microdomain patterns on the nonpolar surface of LiNbO ₃ crystal by nondestructive methods. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	13
70	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
71	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
72	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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73	Nonlinear Optical Bioinspired Peptide Nanostructures. <i>Advanced Optical Materials</i> , 2013, 1, 875-884.	7.3	74
74	Terahertz wave generation in periodically poled lithium niobate crystals fabricated using two alternative techniques. <i>Laser Physics Letters</i> , 2013, 10, 055404.	1.4	7
75	Microdomain Arrays Fabricated in Strontium-Barium Niobate Crystals by Microscopic Methods. <i>Ferroelectrics</i> , 2013, 442, 63-73.	0.6	5
76	High mobility thin film transistors with indium oxide/gallium oxide bi-layer structures. <i>Applied Physics Letters</i> , 2012, 100, 063506.	3.3	12
77	Femtosecond infrared laser annealing of ferroelectric PZT films on a metal substrate. , 2012, , .		0
78	Ferroelectric Properties and Phase Transition in Dipeptide Nanotubes. <i>Ferroelectrics</i> , 2012, 430, 84-91.	0.6	9
79	Bioinspired Peptide Nanotubes: Ferroelectricity at Nanoscale. <i>Integrated Ferroelectrics</i> , 2012, 134, 48-49.	0.7	5
80	Nonlinear optical spectroscopy of (La _{0.6} Pr _{0.4}) _{0.7} Ca _{0.3} MnO ₃ manganite. <i>JETP Letters</i> , 2012, 96, 326-331.	1.4	0
81	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
82	Femtosecond Infrared Laser Annealing of PZT Films on a Metal Substrate. <i>Ferroelectrics</i> , 2012, 433, 164-169.	0.6	8
83	Enhanced Magnetization and Ferroelectric Switching in Multiferroic BST/BNFO Superstructures. <i>Ferroelectrics</i> , 2012, 433, 158-163.	0.6	11
84	Polarization switching and patterning in self-assembled peptide tubular structures. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	41
85	Evidence of ferroelectricity and phase transition in pressed diphenylalanine peptide nanotubes. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	60
86	A computer-aided two-photon scanning microscope. <i>Instruments and Experimental Techniques</i> , 2012, 55, 78-84.	0.5	2
87	Mapping of two-photon luminescence amplification in zinc-oxide microstructures. <i>Semiconductors</i> , 2012, 46, 360-362.	0.5	1
88	Nonlinear optical microscopy and spectroscopy of ferroelectric and multiferroic materials. <i>Physics of the Solid State</i> , 2012, 54, 887-893.	0.6	5
89	Bioferroelectricity and biopiezoelectricity. <i>Physics of the Solid State</i> , 2012, 54, 1263-1268.	0.6	2
90	Second harmonic generation in microdomain gratings fabricated in strontium-barium niobate crystals with an atomic force microscope. <i>Journal of Applied Physics</i> , 2011, 110, 052015.	2.5	13

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91	Structural Transition in Peptide Nanotubes. <i>Biomacromolecules</i> , 2011, 12, 1349-1354.	5.4	90
92	Nonlinear optical detection of terahertz-frequency radiation in crystals with periodic domain structure. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq0 0 0 rgBT /Overclock 10 7 50 697 T</i>		
93	Bioinspired peptide nanotubes: deposition technology, basic physics and nanotechnology applications. <i>Journal of Peptide Science</i> , 2011, 17, 75-87.	1.4	97
94	Thin ferroelectric films: Preparation and prospects of integration. <i>Physics of the Solid State</i> , 2010, 52, 762-770.	0.6	19
95	Investigation of a ferroelectric/manganite heterostructure by second optical harmonic generation. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2010, 74, 1277-1280.	0.6	1
96	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
97	Optical chirality in plasmonic arrays of subwavelength Z-shaped apertures. , 2010, , .		0
98	Femtosecond dynamics of resonantly enhanced surface plasmons in planar plasmonic crystals. , 2010, , .		0
99	Controlled growth of metallic inverse opals by electrodeposition. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15414.	2.8	38
100	Polarization Dynamics of a Thin Ferroelectric Film. <i>Ferroelectrics</i> , 2010, 400, 269-275.	0.6	1
101	High-frequency polarization switching of a thin ferroelectric film. <i>Physical Review B</i> , 2010, 82, .	3.2	7
102	Temperature-driven phase transformation in self-assembled diphenylalanine peptide nanotubes. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 462001.	2.8	88
103	Excitonic luminescence in oligothiophene aggregated films and self-assembled monolayers. <i>Solid State Communications</i> , 2009, 149, 2232-2234.	1.9	0
104	Magnetophotonic properties of inverse magnetic metal opals. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 833-835.	2.3	8
105	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
106	FERROELECTRICS IN PLANAR GEOMETRY: FABRICATION AND PERSPECTIVES FOR INTEGRATION. <i>Integrated Ferroelectrics</i> , 2009, 106, 1-10.	0.7	6
107	Co-adsorbtion of Cu and Keggin type polytungstates on polycrystalline Pt: interplay of atomic and molecular UPD. <i>Faraday Discussions</i> , 2008, 140, 245-267.	3.2	7
108	POLARIZATION SWITCHING IN FERROELECTRIC THIN FILMS STUDIED BY OPTICAL SECOND HARMONIC GENERATION. <i>Integrated Ferroelectrics</i> , 2007, 92, 65-76.	0.7	4

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109	Direct imaging of lattice-strain-induced stripe phases in an optimally doped manganite film. <i>Physical Review B</i> , 2007, 75, .	3.2	17
110	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
111	Switchable nonlinear metalloferroelectric photonic crystals. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	14
112	Switchable nonlinear two-dimensional ferroelectric photonic crystal. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007, 71, 1388-1391.	0.6	4
113	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
114	Nonlinear-optical and micro-Raman diagnostics of thin films and nanostructures of ABO ₃ ferroelectrics. <i>Physics of the Solid State</i> , 2006, 48, 1210-1213.	0.6	5
115	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
116	Crystallization of PZT in Porous Alumina Membrane Channels. <i>Ferroelectrics</i> , 2006, 336, 247-254.	0.6	12
117	Nonlinear Optics of Ferroelectrics: Towards Nanometers and Picoseconds. <i>Ferroelectrics</i> , 2005, 314, 57-72.	0.6	4
118	Photoluminescence studies of oligothiophene self-assembled monolayers at low excitation energy. <i>Journal of Chemical Physics</i> , 2004, 120, 9763-9768.	3.0	8
119	Giant negative photoconductivity in La _{0.7} Ca _{0.3} MnO ₃ thin films. <i>Journal of Applied Physics</i> , 2004, 95, 7360-7362.	2.5	13
120	Ferroelectric nanostructures sputtered on alumina membranes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 25, 35-41.	2.7	11
121	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
122	Kinetic profile of adsorption and self-assembling of thiophene oligomers studied by optical second harmonic generation. <i>Surface Science</i> , 2003, 544, 269-276.	1.9	6
123	Nonlinear-optical probing of nanosecond ferroelectric switching. <i>Applied Physics Letters</i> , 2003, 83, 2402-2404.	3.3	31
124	Optical Second Harmonic Generation for Determination the Domain Orientation in Thin Ferroelectric Films. <i>Ferroelectrics</i> , 2003, 286, 279-290.	0.6	2
125	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
126	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

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127	Ferroelectrics Templated in Nanoporous Silicon Membranes. <i>Ferroelectrics</i> , 2003, 286, 205-211.	0.6	8
128	Kinetics of Adsorption and Self-assembling of Thiophene and Dodecanethiol Studied by Optical Second Harmonic Generation. <i>Chemistry Letters</i> , 2003, 32, 652-653.	1.3	0
129	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
130	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
131	Nonlinear optical properties of oligothiophene self-assembled monolayers on gold substrate. <i>Journal of Chemical Physics</i> , 2002, 117, 4016-4021.	3.0	13
132	Nonlinear optics for surface phase transitions. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 765-775.	2.2	3
133	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
134	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
135	Porous silicon-based ferroelectric nanostructures. <i>Journal of Experimental and Theoretical Physics</i> , 2002, 95, 502-504.	0.9	21
136	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
137	Self-Assembled Cu/Cu ₂ O Multilayers: Deposition, Structure and Optical Properties. <i>Nano Letters</i> , 2001, 1, 401-404.	9.1	37
138	Dynamics of surface reconstruction and electrodeposition studied in situ by second harmonic generation. <i>Surface Science</i> , 2001, 494, L748-L754.	1.9	12
139	Title is missing!. <i>Russian Microelectronics</i> , 2001, 30, 371-380.	0.5	0
140	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
141	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
142	Hyper-Rayleigh scattering from Langmuir films of C ₆₀ and its derivatives. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 1692.	2.1	10
143	Frequency-domain interferometric second-harmonic spectroscopy. <i>Optics Letters</i> , 1999, 24, 496.	3.3	61
144	Size effects in second harmonic generation from Si(001)-SiO ₂ interface: microscopic interface effects and optical Casimir nonlocality. , 1999, , .		0

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145	Structural studies of epitaxial PbTiO ₃ films by optical second harmonic generation. Thin Solid Films, 1998, 336, 291-294.	1.8	5
146	Second Harmonic Generation as a Nondestructive Readout of Optical (Photo(electro)chromic and) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	1.5	8
147	Second harmonic generation interferometer for structural studies of thin ferroelectric ceramic films. Ferroelectrics, 1998, 218, 1-7.	0.6	3
148	<title>New directions in surface spectroscopy enabled by ultrafast lasers</title>. , 1998, 3272, 51.		0
149	Optical second harmonic generation studies of thin ferroelectric ceramic films. Ferroelectrics, 1997, 190, 143-148.	0.6	17
150	Macroscopic Size Effects in Second Harmonic Generation from Si(111) Coated by Thin Oxide Films: The Role of Optical Casimir Nonlocality. Physical Review Letters, 1997, 78, 46-49.	7.8	16
151	Probing the silicon-silicon oxide interface of Si(111)-SiO ₂ -Cr MOS structures by DC-electric-field-induced second harmonic generation. Surface Science, 1996, 352-354, 1033-1037.	1.9	3
152	Optical second-harmonic generation studies of thin lead-zirconate-titanate ferroelectric films. Ferroelectrics, 1996, 186, 215-218.	0.6	15
153	dc-electric-field-induced second-harmonic generation in Si(111)-SiO ₂ -Cr metal-oxide-semiconductor structures. Physical Review B, 1996, 54, 1825-1832.	3.2	73
154	The photoinduced anisotropy of second harmonic generation in monolayered Langmuir-Blodgett films. Thin Solid Films, 1995, 256, 176-181.	1.8	13
155	Oxide-thickness dependence of second harmonic generation from thick thermal oxides on Si(111). Surface Science, 1995, 331-333, 1367-1371.	1.9	7
156	Second harmonic generation at a semiconductor-electrolyte interface and investigation of the surface of silicon by the nonlinear electroreflection method. Soviet Journal of Quantum Electronics, 1991, 21, 854-859.	0.1	14
157	The electromagnetic (classical) mechanism of surface enhanced second harmonic generation and Raman scattering in island films. Solid State Communications, 1989, 70, 1021-1024.	1.9	18