Kirill I Zaytsev

List of Publications by Year
in descending order

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168	2,680	185998 28	223531 46
papers	citations	h-index	g-index

169	169	169	1339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Terahertz biophotonics as a tool for studies of dielectric and spectral properties of biological tissues and liquids. Progress in Quantum Electronics, 2018, 62, 1-77.	3.5	204
2	The progress and perspectives of terahertz technology for diagnosis of neoplasms: a review. Journal of Optics (United Kingdom), 2020, 22, 013001.	1.0	135
3	In vivo terahertz spectroscopy of pigmentary skin nevi: Pilot study of non-invasive early diagnosis of dysplasia. Applied Physics Letters, 2015, 106, .	1.5	112
4	Non-Destructive Evaluation of Polymer Composite Materials at the Manufacturing Stage Using Terahertz Pulsed Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 810-816.	2.0	95
5	Reflection-mode continuous-wave 0.15Î»-resolution terahertz solid immersion microscopy of soft biological tissues. Applied Physics Letters, 2018, 113, .	1.5	80
6	Experimental observation of a photonic hook. Applied Physics Letters, 2019, 114, .	1.5	80
7	Terahertz spectroscopy of gelatin-embedded human brain gliomas of different grades: a road toward intraoperative THz diagnosis. Journal of Biomedical Optics, 2019, 24, 1.	1.4	75
8	Solid immersion terahertz imaging with sub-wavelength resolution. Applied Physics Letters, 2017, 110, .	1.5	69
9	Highly Accurate in Vivo Terahertz Spectroscopy of Healthy Skin: Variation of Refractive Index and Absorption Coefficient Along the Human Body. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 817-827.	2.0	66
10	Sapphire shaped crystals for waveguiding, sensing and exposure applications. Progress in Crystal Growth and Characterization of Materials, 2018, 64, 133-151.	1.8	65
11	Wide-aperture aspherical lens for high-resolution terahertz imaging. Review of Scientific Instruments, 2017, 88, 014703.	0.6	63
12	Effects of Terahertz Radiation on Living Cells: a Review. Optics and Spectroscopy (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	55
13	Millijoule pulse energy 100-nanosecond Er-doped fiber laser. Optics Letters, 2015, 40, 1189.	1.7	54
14	Tunable two-dimensional assembly of colloidal particles in rotating electric fields. Scientific Reports, 2017, 7, 13727.	1.6	51
15	Accuracy of sample material parameters reconstruction using terahertz pulsed spectroscopy. Journal of Applied Physics, 2014, 115, .	1.1	50
16	Terahertz Photonic Crystal Waveguides Based on Sapphire Shaped Crystals. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 576-582.	2.0	49
17	Sapphire Photonic Crystal Waveguides for Terahertz Sensing in Aggressive Environments. Advanced Optical Materials, 2018, 6, 1800573.	3.6	48
18	Cellular effects of terahertz waves. Journal of Biomedical Optics, 2021, 26, .	1.4	44

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19	Invariant embedding technique for medium permittivity profile reconstruction using terahertz time-domain spectroscopy. Optical Engineering, 2013, 52, 068203.	0.5	43
20	Terahertz photoconductive emitter with dielectric-embedded high-aspect-ratio plasmonic grating for operation with low-power optical pumps. AIP Advances, 2019, 9, .	0.6	43
21	Band-gap nonlinear optical generation: The structure of internal optical field and the structural light focusing. Journal of Applied Physics, 2014, 115, 213505.	1.1	40
22	Terahertz dielectric spectroscopy of human brain gliomas and intact tissues ex vivo: double-Debye and double-overdamped-oscillator models of dielectric response. Biomedical Optics Express, 2021, 12, 69.	1.5	40
23	Shaping the spectrum of terahertz photoconductive antenna by frequency-dependent impedance modulation. Semiconductor Science and Technology, 2019, 34, 034005.	1.0	38
24	A hybrid continuous-wave terahertz imaging system. Review of Scientific Instruments, 2015, 86, 113704.	0.6	33
25	Flame propagation in two-dimensional solids: Particle-resolved studies with complex plasmas. Physical Review E, 2017, 96, 043201.	0.8	32
26	Enhancement of second harmonic generation in NaNO2-infiltrated opal photonic crystal using structural light focusing. Applied Physics Letters, 2014, 105, 051902.	1.5	31
27	Enhanced terahertz emission from strain-induced InGaAs/InAlAs superlattices. Journal of Applied Physics, 2019, 125, .	1.1	31
28	Particle-Resolved Phase Identification in Two-Dimensional Condensable Systems. Journal of Physical Chemistry C, 2017, 121, 26860-26868.	1.5	30
29	Spectroscopy of Nafion in terahertz frequency range. Journal of Applied Physics, 2014, 116, .	1.1	29
30	Broadband spectroscopy of astrophysical ice analogues. Astronomy and Astrophysics, 2019, 629, A112.	2.1	29
31	Numerical analysis and experimental study of terahertz solid immersion microscopy. Optical Engineering, 2019, 59, 1.	0.5	28
32	Terahertz spectroscopy of pigmentary skin nevi in vivo. Optics and Spectroscopy (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	27
33	Prospects of terahertz technology in diagnosis of human brain tumors â€“ A review. Journal of Biomedical Photonics and Engineering, 2020, 6, .	0.4	27
34	Enhanced third-harmonic generation in photonic crystals at band-gap pumping. Journal Physics D: Applied Physics, 2017, 50, 055105.	1.3	25
35	Medical diagnostics using terahertz pulsed spectroscopy. Journal of Physics: Conference Series, 2014, 486, 012014.	0.3	24
36	Optimal hyperosmotic agents for tissue immersion optical clearing in terahertz biophotonics. Journal of Biophotonics, 2020, 13, e202000297.	1.1	24

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37	Terahertz dielectric spectroscopy and solid immersion microscopy of ex vivo glioma model 101.8: brain tissue heterogeneity. Biomedical Optics Express, 2021, 12, 5272.	1.5	23
38	Quantitative super-resolution solid immersion microscopy via refractive index profile reconstruction. Optica, 2021, 8, 1471.	4.8	23
39	The Role of Scattering in Quasi-Ordered Structures for Terahertz Imaging: Local Order Can Increase an Image Quality. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 403-409.	2.0	21
40	Object-dependent spatial resolution of the reflection-mode terahertz solid immersion microscopy. Optics Express, 2021, 29, 3553.	1.7	20
41	Proof of concept for continuously-tunable terahertz bandpass filter based on a gradient metal-hole array. Optics Express, 2020, 28, 26228.	1.7	20
42	Nondestructive testing of polymer composite materials using THz radiation. Journal of Physics: Conference Series, 2014, 486, 012008.	0.3	19
43	Sapphire waveguides and fibers for terahertz applications. Progress in Crystal Growth and Characterization of Materials, 2021, 67, 100523.	1.8	19
44	Overcoming the Abbe Diffraction Limit Using a Bundle of Metalâ€Coated Highâ€Refractiveâ€Index Sapphire Optical Fibers. Advanced Optical Materials, 2020, 8, 2000307.	3.6	18
45	Moisture adsorption by decellularized bovine pericardium collagen matrices studied by terahertz pulsed spectroscopy and solid immersion microscopy. Biomedical Optics Express, 2021, 12, 5368.	1.5	17
46	Nanoporous SiO2 based on annealed artificial opals as a favorable material platform of terahertz optics. Optical Materials Express, 2020, 10, 2100.	1.6	17
47	Terahertz solid immersion microscopy: Recent achievements and challenges. Applied Physics Letters, 2022, 120, .	1.5	17
48	Bizarre behavior of heat capacity in crystals due to interplay between two types of anharmonicities. Journal of Chemical Physics, 2018, 148, 134508.	1.2	16
49	Terahertz Microscope Based on Solid Immersion Effect for Imaging of Biological Tissues. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 560-567.	0.2	16
50	Multimodal Optical Diagnostics of Glycated Biological Tissues. Biochemistry (Moscow), 2019, 84, 124-143.	0.7	16
51	A potential of terahertz solid immersion microscopy for visualizing sub-wavelength-scale tissue spheroids. , 2018, , .		16
52	In vivoterahertz pulsed spectroscopy of dysplastic and non-dysplastic skin nevi. Journal of Physics: Conference Series, 2016, 735, 012076.	0.3	15
53	A method of studying spectral optical characteristics of a homogeneous medium by means of terahertz time-domain spectroscopy. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.2	14
54	Nanoparticle-enabled experimentally trained wavelet-domain denoising method for optical coherence tomography. Journal of Biomedical Optics, 2018, 23, 1.	1.4	14

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55	BWO based THz imaging system. Journal of Physics: Conference Series, 2014, 486, 012027.	0.3	12
56	In vivospectroscopy of healthy skin and pathology in terahertz frequency range. Journal of Physics: Conference Series, 2015, 584, 012023.	0.3	12
57	Novel Algorithm for Sample Material Parameter Determination using THz Time-Domain Spectrometer Signal Processing. Journal of Physics: Conference Series, 2014, 486, 012018.	0.3	11
58	Step-index sapphire fiber and its application in a terahertz near-field microscopy. , 2019, , .		11
59	Capability of physically reasonable OCT-based differentiation between intact brain tissues, human brain gliomas of different WHO grades, and glioma model 101.8 from rats. Biomedical Optics Express, 2020, 11, 6780.	1.5	11
60	Quantification of solid-phase chemical reactions using the temperature-dependent terahertz pulsed spectroscopy, sum rule, and Arrhenius theory: thermal decomposition of Î±-lactose monohydrate. Optics Express, 2022, 30, 9208.	1.7	11
61	Novel technique for medium permittivity profile reconstruction using THz pulsed spectroscopy. Journal of Physics: Conference Series, 2014, 486, 012010.	0.3	10
62	Plasmonic Photoconductive Antennas for Terahertz Pulsed Spectroscopy and Imaging Systems. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 580-586.	0.2	10
63	Strain-Induced InGaAs-Based Photoconductive Terahertz Antenna Detector. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 417-424.	2.0	10
64	Neurosurgical sapphire handheld probe for intraoperative optical diagnostics, laser coagulation and aspiration of malignant brain tissue. Proceedings of SPIE, 2017, , .	0.8	10
65	FDTD simulation of the electromagnetic field surface states in 2D photonic crystals. Journal of Physics: Conference Series, 2014, 486, 012003.	0.3	9
66	Boosting photoconductive large-area THz emitter via optical light confinement behind a highly refractive sapphire-fiber lens. Optics Letters, 2022, 47, 1899.	1.7	9
67	Combined terahertz imaging system for enhanced imaging quality. Optical and Quantum Electronics, 2016, 48, 1.	1.5	8
68	Optical Properties of Hyperosmotic Agents for Immersion Clearing of Tissues in Terahertz Spectroscopy. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 1026-1035.	0.2	8
69	Terahertz transmission-mode scanning-probe near-field optical microscopy based on a flexible step-index sapphire fiber. Optical Engineering, 2021, 60, .	0.5	8
70	Special Section Guest Editorial: Advances in Terahertz Biomedical Science and Applications. Journal of Biomedical Optics, 2021, 26, .	1.4	8
71	Opal-based terahertz optical elements fabricated by self-assembly of porous SiO₂ nanoparticles. Optics Express, 2021, 29, 13764.	1.7	8
72	Optimization of sapphire capillary needles for interstitial and percutaneous laser medicine. Journal of Biomedical Optics, 2019, 24, 1.	1.4	8

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73	Fabrication and characterization of a composite TiO₂-polypropylene high-refractive-index solid immersion lens for super-resolution THz imaging. Optical Materials Express, 2022, 12, 3015.	1.6	8
74	An approach for automatic construction of the wavelet-domain de-noising procedure for THz pulsed spectroscopy signal processing. Journal of Physics: Conference Series, 2014, 486, 012034.	0.3	7
75	Monte Carlo simulation of optical coherence tomography signal of the skin nevus. Journal of Physics: Conference Series, 2016, 673, 012014.	0.3	7
76	Technological aspects of manufacturing terahertz photonic crystal waveguides based on sapphire shaped crystals. , 2017, , .		7
77	Microfocusing sapphire capillary needle for laser surgery and therapy: Fabrication and characterization. Journal of Biophotonics, 2020, 13, e202000164.	1.1	7
78	Wavelet-domain de-noising of OCT images of human brain malignant glioma. , 2018, , .		7
79	Electromagnetic field localization behind a mesoscale dielectric particle with a broken symmetry: a photonic hook phenomenon. , 2020, , .		7
80	Wavelet-domain de-noising technique for THz pulsed spectroscopy. , 2014, , .		6
81	Second optical harmonic near the surface of ferroelectric photonic crystals and photon traps. Physics of the Solid State, 2015, 57, 453-459.	0.2	6
82	The active-passive continuous-wave terahertz imaging system. Journal of Physics: Conference Series, 2016, 735, 012075.	0.3	6
83	Wide-Aperture Aspheric Optics for Formation of Subwavelength Caustics of a Terahertz Electromagnetic-Radiation Beam. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T		6
84	In vitro terahertz spectroscopy of gelatin-embedded human brain tumors: a pilot study. , 2018, , .		6
85	Nonlinear optical conversion in synthetic opal. Inorganic Materials, 2015, 51, 419-424.	0.2	5
86	Differentiation of Pigmented Skin Lesions Based on Digital Processing of Optical Images. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 503-513.	0.2	5
87	Temperature Evolution of the Dielectric Response of Î±-Lactose Monohydrate in the THz Frequency Range. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 752-758.	0.2	5
88	Emission Efficiency of Terahertz Antennas with Conventional Topology and Metal Metasurface: A Comparative Analysis. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 1018-1025.	0.2	5
89	A concept of cryoapplicator based on sapphire shaped crystal enabling control of the ice ball formation using spatially resolved elastic backscattering of light. , 2018, , .		5
90	Terahertz transmission-mode near-field scanning-probe microscope based on a flexible sapphire fiber. , 2019, , .		5

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91	Scattering of terahertz radiation in thin layers of dielectric materials. Proceedings of SPIE, 2013, , .	0.8	4
92	Enhanced third harmonic generation using the surface states of light in periodic photonic structures. Journal of Physics: Conference Series, 2014, 541, 012072.	0.3	4
93	Sensing of phase transition in medium with terahertz pulsed spectroscopy. Journal of Physics: Conference Series, 2014, 486, 012024.	0.3	4
94	Scattering in structured two-layered medium. Journal of Physics: Conference Series, 2015, 584, 012019.	0.3	4
95	An impact of multiple wave reflections in a flat sample on material parameter reconstruction using THz pulsed spectroscopy. Journal of Physics: Conference Series, 2015, 584, 012005.	0.3	4
96	Terahertz solid immersion microscopy for sub-wavelength-resolution imaging of biological objects and tissues. , 2018, , .		4
97	Terahertz spectroscopy of immersion optical clearing agents: DMSO, PG, EG, PEG. , 2018, , .		4
98	Improved biomedical imaging over a wide spectral range from UV to THz towards multimodality. , 2020, , .		4
99	Differentiation of basal cell carcinoma and healthy skin using multispectral modulation autofluorescence imaging: A pilot study. Journal of Biomedical Photonics and Engineering, 2019, 5, 010302.	0.4	4
100	A Comparison of Terahertz Pulsed Spectroscopy and Backward-Wave Oscillator Spectroscopy. Journal of Physics: Conference Series, 2014, 536, 012009.	0.3	3
101	Wavelet-domain de-noising of optical coherent tomography data for biomedical applications. Journal of Physics: Conference Series, 2015, 584, 012013.	0.3	3
102	Non-destructive testing of composite materials using terahertz time-domain spectroscopy. , 2016, , .		3
103	Numerical simulation of terahertz-wave propagation in photonic crystal waveguide based on sapphire shaped crystal. Journal of Physics: Conference Series, 2016, 673, 012001.	0.3	3
104	Investigation of Heating of Optical Elements During Formation of High-Power CW Fiber Laser Radiation. Russian Physics Journal, 2019, 61, 2305-2312.	0.2	3
105	Sapphire shaped crystals for laser-assisted cryodestruction of biological tissues. , 2018, , .		3
106	Colloidal suspensions in external rotating electric field: experimental studies and prospective applications in physics, material science, and biomedicine. , 2018, , .		3
107	Sapphire capillary interstitial irradiators for laser medicine. , 2018, , .		3
108	Differentiation of healthy and malignant brain tissues using terahertz pulsed spectroscopy and optical coherence tomography. , 2019, , .		3

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109	A comparison of terahertz optical constants and diffusion coefficients of tissue immersion optical clearing agents. , 2019, , .		3
110	Novel promising terahertz optical material based on nanoporous SiO2. , 2020, , .		3
111	THz generation by two-color laser air plasma coupled to antiresonance hollow-core sapphire waveguides: THz-wave delivery and angular distribution management. Optics Express, 2022, 30, 4215.	1.7	3
112	Principle component analysis and linear discriminant analysis of multi-spectral autofluorescence imaging data for differentiating basal cell carcinoma and healthy skin. , 2016, , .		2
113	Second Harmonic Generation in Microstructured Barium Titanate. Journal of Russian Laser Research, 2016, 37, 254-258.	0.3	2
114	Terahertz waveguides based on multichannel sapphire shaped crystals. , 2016, , .		2
115	Biomedical applications of sapphire shaped crystals. , 2018, , .		2
116	An Experimentally Trained Noise Filtration Method of Optical Coherence Tomography Signals. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 587-594.	0.2	2
117	Numerical simulations and experimental study of terahertz photoconductive antennas based on GaAs and its ternary compounds. , 2018, , .		2
118	A method for reconstruction of terahertz dielectric response of thin liquid samples. , 2019, , .		2
119	Optical coherence tomography of human brain glioma as a promising tool for intraoperative diagnostics in neurosurgery. , 2019, , .		2
120	Study of malignant brain gliomas using optical coherence tomography and terahertz pulsed spectroscopy aimed on advanced intraoperative neurodiagnosis. , 2019, , .		2
121	Continuously tunable middle-IR bandpass filters based on gradient metal-hole arrays for multispectral sensing and thermography. Journal of Applied Physics, 2022, 131, .	1.1	2
122	Problem of light scattering in complex media. Journal of Physics: Conference Series, 2015, 584, 012025.	0.3	1
123	Structural light focusing phenomenon and enhanced second harmonic generation in NaNO₂-infiltrated opal photonic crystal. Journal of Physics: Conference Series, 2015, 584, 012002.	0.3	1
124	Sapphire shaped crystals allow combining tissue cryodestruction, laser coagulation and diagnosis. , 2016, , .		1
125	Biomedical applications of terahertz solid immersion microscopy. EPJ Web of Conferences, 2018, 195, 10017.	0.1	1
126	Sapphire Single-Crystal Waveguides and Fibers for Thz Frequency Range. Journal of Surface Investigation, 2020, 14, 437-439.	0.1	1

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127	Terahertz axicon fabricated by direct sedimentation of SiO2 colloidal nanoparticles in a mold. , 2021, , .		1
128	High-temperature terahertz intrawaveguide spectroscopy using hollow-core sapphire photonic crystal waveguide. , 2019, , .		1
129	Terahertz pulsed spectroscopy of human brain tumors in a gelatin slab. , 2019, , .		1
130	Sapphire-based medical instruments for diagnosis, surgery and therapy. , 2020, , .		1
131	Terahertz Spectroscopy and Imaging of Brain Tumors. , 2020, , 551-574.		1
132	Mobile system for early diagnosis of the parameters of pigmented skin lesions. , 2020, , .		1
133	Portable uncooled shutterless camera operating in the long-wavelength infrared range; part II: digital image processing. , 2020, , .		1
134	Portable uncooled shutterless camera operating in the long-wavelength infrared range; part I: camera calibration. , 2020, , .		1
135	Proof of concept for the sapphire scalpel combining tissue dissection and optical diagnosis. Lasers in Surgery and Medicine, 2021, , .	1.1	1
136	Summer school in Kabardino-Balkaria by BMSTU SPIE Student Chapter. Proceedings of SPIE, 2014, , .	0.8	0
137	Nonlinear conversion in optical waveguide filled with NaNO2. Journal of Physics: Conference Series, 2015, 584, 012009.	0.3	0
138	Hyper-spectral modulation fluorescent imaging using double acousto-optical tunable filter based on TeO2-crystals. Journal of Physics: Conference Series, 2015, 584, 012017.	0.3	0
139	Pseudo-stochastic signal characterization in wavelet-domain. Journal of Physics: Conference Series, 2015, 584, 012021.	0.3	0
140	Study of electromagnetic field surface states in photonic crystals using the finite-difference method. Bulletin of the Lebedev Physics Institute, 2015, 42, 48-54.	0.1	0
141	Modeling and experimental demonstration of terahertz frequency tunable metamaterial absorber. Journal of Physics: Conference Series, 2016, 735, 012087.	0.3	0
142	Radiation scattering on growing ordered structures. Journal of Physics: Conference Series, 2016, 673, 012011.	0.3	0
143	Multi-spectral endogenous fluorescence imaging for bacterial differentiation. , 2017, , .		0
144	Intraoperative diagnosis of malignant brain gliomas using terahertz pulsed spectroscopy and optical coherence tomography. EPJ Web of Conferences, 2018, 195, 10018.	0.1	0

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145	Interaction of terahertz radiation with tissue phantoms: numerical and experimental studies. EPJ Web of Conferences, 2018, 195, 10012.	0.1	0
146	In vitro terahertz dielectric spectroscopy of human brain tumors. , 2018, , .		0
147	Investigation of heating laser head optical elements by radiation from high-power fiber laser. , 2018, , .		0
148	Terahertz continuous-wave solid immersion imaging with spatial resolution beyond the Abbe limit. , 2018, , .		0
149	Reconstructed THz phase image of the two-component numerical model of breast cancer tissue. , 2019, , .		0
150	Optical light confinement in terahertz antennas. AIP Conference Proceedings, 2021, , .	0.3	0
151	Physically Reasonable Tissue Properties for Optical Coherence Tomography of Brain Malignancies. , 2021, , .		0
152	Double-overdamped-oscillator model of terahertz complex dielectric permittivity of human brain tissues. , 2021, , .		0
153	Improvement of experimental methods for studying dust plasma and colloidal systems.. , 2016, , .		0
154	Terahertz pulsed spectroscopy of medium polymerization. , 2016, , .		0
155	Enhanced high-harmonic generation in photonics crystal: theoretical and experimental studies. , 2017, , .		0
156	Impact of Scattering in Quasi-Ordered Structures on THz Imaging. EPJ Web of Conferences, 2018, 195, 08001.	0.1	0
157	Terahertz emission from InGaAs with increased indium content. , 2018, , .		0
158	Plasmonic terahertz emitters with high-aspect ratio metal gratings. , 2019, , .		0
159	FDTD-modelling of terahertz solid immersion microscopy. , 2019, , .		0
160	Special Section Guest Editorial: Terahertz and Infrared Optics: Towards Biophotonics. Optical Engineering, 2020, 59, 1.	0.5	0
161	Experimental study of pointed sapphire needles for interstitial laser therapy. , 2020, , .		0
162	Development of novel medical instruments based on sapphire shaped crystals. , 2020, , .		0

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163	Optically-controlled measurements of cryodestruction of biological tissues using sapphire shaped crystals. , 2020, , .		0
164	Optical coherence tomography of brains: ex vivo study of healthy and malignant tissues. , 2020, , .		0
165	Overcoming the Abbe diffraction limit in THz spectroscopy and imaging of soft biological tissues. , 2020, , .		0
166	Photoconductive THz Detector Based on New Functional Layers in Multi-Layer Heterostructures. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2021, 129, 851-856.	0.2	0
167	Optical coherence tomography of healthy and malignant tissues: physically reasonable differentiation. , 2021, , .		0
168	Characterizing solid immersion focusing system using numerical modeling. , 2021, , .		0