

Igor Minin

List of Publications by Year in descending order

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Version: 2024-02-01

217
papers

2,935
citations

201575

27
h-index

243529

44
g-index

228
all docs

228
docs citations

228
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	Refractive index less than two: photonic nanojets yesterday, today and tomorrow [Invited]. Optical Materials Express, 2017, 7, 1820.	1.6	293
2	Terajets produced by dielectric cuboids. Applied Physics Letters, 2014, 105, .	1.5	99
3	Photonic hook: a new curved light beam. Optics Letters, 2018, 43, 771.	1.7	98
4	Localized EM and photonic jets from non-spherical and non-symmetrical dielectric mesoscale objects: Brief review. Annalen Der Physik, 2015, 527, 491-497.	0.9	88
5	Enhancement of spatial resolution of terahertz imaging systems based on terajet generation by dielectric cube. APL Photonics, 2017, 2, .	3.0	86
6	Experimental observation of a photonic hook. Applied Physics Letters, 2019, 114, .	1.5	80
7	“Photonic Hook”™ based optomechanical nanoparticle manipulator. Scientific Reports, 2018, 8, 2029.	1.6	77
8	Diffraction Optics and Nanophotonics. SpringerBriefs in Physics, 2016, , .	0.2	69
9	Multifrequency focusing and wide angular scanning of terajets. Optics Letters, 2015, 40, 245.	1.7	55
10	Localized photonic jets from flat, three-dimensional dielectric cuboids in the reflection mode. Optics Letters, 2015, 40, 2329.	1.7	54
11	Experimental demonstration of a tunable photonic hook by a partially illuminated dielectric microcylinder. Optics Letters, 2020, 45, 4899.	1.7	46
12	A Millimetre-Wave Cuboid Solid Immersion Lens with Intensity-Enhanced Amplitude Mask Apodization. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 546-552.	1.2	44
13	Terahertz artificial dielectric cuboid lens on substrate for super-resolution images. Optical and Quantum Electronics, 2017, 49, 1.	1.5	43
14	High order Fano resonances and giant magnetic fields in dielectric microspheres. Scientific Reports, 2019, 9, 20293.	1.6	40
15	All-dielectric periodic terajet waveguide using an array of coupled cuboids. Applied Physics Letters, 2015, 106, .	1.5	38
16	Focusing Acoustic Beams with a Ball-Shaped Lens beyond the Diffraction Limit. Physical Review Applied, 2017, 8, .	1.5	35
17	Specular-reflection photonic nanojet: physical basis and optical trapping application. Optics Express, 2020, 28, 22690.	1.7	35
18	Acoustojet: acoustic analogue of photonic jet phenomenon based on penetrable 3D particle. Optical and Quantum Electronics, 2017, 49, 1.	1.5	34

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19	Engineering photonic nanojet by a graded-index micro-cuboid. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 98, 105-110.	1.3	34
20	Photonic Hook Plasmons: A New Curved Surface Wave. <i>Annalen Der Physik</i> , 2018, 530, 1800359.	0.9	34
21	Comprehensive analysis of photonic nanojets in 3D dielectric cuboids excited by surface plasmons. <i>Annalen Der Physik</i> , 2016, 528, 684-692.	0.9	33
22	Optical Phenomena in Mesoscale Dielectric Particles. <i>Photonics</i> , 2021, 8, 591.	0.9	32
23	Production of photonic nanojets by using pupil-masked 3D dielectric cuboid. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 175102.	1.3	31
24	Increasing Surface Plasmons Propagation via Photonic Nanojets with Periodically Spaced 3D Dielectric Cuboids. <i>Photonics</i> , 2016, 3, 10.	0.9	30
25	Deep Subwavelength-Scale Light Focusing and Confinement in Nanohole-Structured Mesoscale Dielectric Spheres. <i>Nanomaterials</i> , 2019, 9, 186.	1.9	30
26	Systematic study and comparison of photonic nanojets produced by dielectric microparticles in 2D- and 3D-spatial configurations. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 065606.	1.0	29
27	Subwavelength, standing-wave optical trap based on photonic jets. <i>Quantum Electronics</i> , 2016, 46, 555-557.	0.3	28
28	Optical vacuum cleaner by optomechanical manipulation of nanoparticles using nanostructured mesoscale dielectric cuboid. <i>Scientific Reports</i> , 2019, 9, 12748.	1.6	25
29	Photonic hook formation in near-infrared with MXene Ti_3C_2 nanoparticles. <i>Nanoscale Advances</i> , 2020, 2, 5312-5318.	2.2	25
30	Temperature mediated "photonic hook" nanoparticle manipulator with pulsed illumination. <i>Nanoscale Advances</i> , 2020, 2, 2595-2601.	2.2	25
31	Three-dimensional direct observation of Gouy phase shift in a terajet produced by a dielectric cuboid. <i>Applied Physics Letters</i> , 2016, 108, 191102.	1.5	23
32	Recent Advances in Integrated Photonic Jet-Based Photonics. <i>Photonics</i> , 2020, 7, 41.	0.9	23
33	Acoustical hooks: A new subwavelength self-bending beam. <i>Results in Physics</i> , 2020, 16, 102921.	2.0	23
34	Tailoring "photonic hook" from Janus dielectric microbar. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 065606.	1.0	23
35	Generation of structured light by multilevel orbital angular momentum holograms. <i>Optics Express</i> , 2019, 27, 6459.	1.7	23
36	Plasmonic nanojet: an experimental demonstration. <i>Optics Letters</i> , 2020, 45, 3244.	1.7	23

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37	SUBWAVELENGTH DIFFRACTIVE PHOTONIC CRYSTAL LENS. Progress in Electromagnetics Research B, 2008, 7, 257-264.	0.7	22
38	Full three-dimensional Poynting vector flow analysis of great field-intensity enhancement in specifically sized spherical-particles. Scientific Reports, 2019, 9, 20224.	1.6	22
39	Photonic jets from Babinet's cuboid structures in the reflection mode. Optics Letters, 2016, 41, 785.	1.7	21
40	Experimental observation of flat focusing mirror based on photonic jet effect. Scientific Reports, 2020, 10, 8459.	1.6	21
41	Shaping photonic hook via well-controlled illumination of finite-size graded-index micro-ellipsoid. Journal of Optics (United Kingdom), 2020, 22, 085002.	1.0	21
42	Overcoming refractive index limit of mesoscale light focusing by means of specular-reflection photonic nanojet. Optics Letters, 2020, 45, 3885.	1.7	21
43	A Systematic Study of Varying Reference Phase in the Design of Circular Fresnel Zone Plate Antennas. IEEE Transactions on Antennas and Propagation, 2006, 54, 3629-3637.	3.1	20
44	Photonic Jet by a Near-Unity-Refractive-Index Sphere on a Dielectric Substrate with High Index Contrast. Annalen Der Physik, 2018, 530, 1800032.	0.9	19
45	The Photonic Hook. SpringerBriefs in Physics, 2021, , .	0.2	19
46	Improved zoning rule for designing square Fresnel zone plate lenses. Microwave and Optical Technology Letters, 2007, 49, 276-278.	0.9	18
47	Hypervelocity fragment formation technology for ground-based laboratory tests. Acta Astronautica, 2014, 104, 77-83.	1.7	18
48	First experimental observation of array of photonic jets from saw-tooth phase diffraction grating. Europhysics Letters, 2018, 123, 54003.	0.7	18
49	Liquid "liquid core" shell configurable mesoscale spherical acoustic lens with subwavelength focusing. Applied Physics Express, 2019, 12, 087001.	1.1	18
50	<title>System of microwave radiovision of three-dimensional objects in real time</title>. , 2000, , .		17
51	Experimental demonstration of square Fresnel zone plate with chiral side lobes. Applied Optics, 2017, 56, F128.	2.1	17
52	Characterization of Mesoscopic Dielectric Cuboid Antenna at Millimeter-Wave Band. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1828-1832.	2.4	17
53	3D diffractive lenses to overcome the 3D Abbe subwavelength diffraction limit. Chinese Optics Letters, 2014, 12, 060014-60016.	1.3	17
54	Intensity-Enhanced Apodization Effect on an Axially Illuminated Circular-Column Particle Lens. Annalen Der Physik, 2018, 530, 1700384.	0.9	16

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55	Strong electromagnetic field localization near the surface of hemicylindrical particles. Optical and Quantum Electronics, 2018, 50, 1.	1.5	16
56	Super-Enhancement Focusing of Teflon Spheres. Annalen Der Physik, 2020, 532, 2000373.	0.9	16
57	A potential of terahertz solid immersion microscopy for visualizing sub-wavelength-scale tissue spheroids. , 2018, , .		16
58	Control of focusing properties of diffraction elements. Soviet Journal of Quantum Electronics, 1990, 20, 198-199.	0.1	15
59	Variable Reference Phase in Diffractive Antennas: Review, Applications, New Results. IEEE Antennas and Propagation Magazine, 2011, 53, 77-94.	1.2	15
60	Ultra-sharp nanofocusing of graded index photonic crystal-based lenses perforated with optimized single defect. Optical Materials Express, 2016, 6, 2628.	1.6	15
61	Focusing behavior of 2-dimensional plasmonic conical zone plate. Optical and Quantum Electronics, 2017, 49, 1.	1.5	15
62	Apodization-Assisted Subdiffraction Near-Field Localization in 2D Phase Diffraction Grating. Annalen Der Physik, 2019, 531, 1900033.	0.9	15
63	Experimental verification 3D subwavelength resolution beyond the diffraction limit with zone plate in millimeter wave. Microwave and Optical Technology Letters, 2014, 56, 2436-2439.	0.9	14
64	Controlled concentration and transportation of nanoparticles at the interface between a plain substrate and droplet. Sensors and Actuators B: Chemical, 2018, 274, 381-392.	4.0	14
65	Tunable subwavelength ultrasound focusing in mesoscale spherical lenses using liquid mixtures. Scientific Reports, 2019, 9, 13363.	1.6	14
66	Mesoscale Acoustical Cylindrical Superlens. MATEC Web of Conferences, 2018, 155, 01029.	0.1	13
67	Design of Acoustical Bessel-Like Beam Formation by a Pupil Masked Soret Zone Plate Lens. Sensors, 2019, 19, 378.	2.1	13
68	Wavelength-Scale Photonic Space Switch Proof-of-Concept Based on Photonic Hook Effect. Annalen Der Physik, 2021, 533, 2100192.	0.9	13
69	Terahertz microscope with oblique subwavelength illumination: design principle. Quantum Electronics, 2022, 52, 13-16.	0.3	13
70	Array of hexagonal Fresnel zone plate lens antennas. Electronics Letters, 2006, 42, 834.	0.5	12
71	Reference Phase in Diffractive Lens Antennas: A Review. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 801-822.	1.2	12
72	Zoned Fishnet Lens Antenna With Reference Phase for Side-Lobe Reduction. IEEE Transactions on Antennas and Propagation, 2015, 63, 3710-3714.	3.1	12

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73	Comparison of photonic nanojets key parameters produced by nonspherical microparticles. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	12
74	Ultrasonic focusing with mesoscale polymer cuboid. <i>Ultrasonics</i> , 2020, 106, 106143.	2.1	12
75	Concept of photonic hook scalpel generated by shaped fiber tip with asymmetric radiation. <i>Journal of Biophotonics</i> , 2021, 14, e202000342.	1.1	12
76	Experimental verification of a plasmonic hook in a dielectric Janus particle. <i>Applied Physics Letters</i> , 2021, 118, 131107.	1.5	12
77	Near-Field Light-Bending Photonic Switch: Physics of Switching Based on Three-Dimensional Poynting Vector Analysis. <i>Photonics</i> , 2022, 9, 154.	0.9	12
78	Asymmetric phase anomaly of terajet generated from dielectric cube under oblique illumination. <i>Applied Physics Letters</i> , 2017, 110, 201105.	1.5	11
79	Manipulation of focal patterns in acoustic Soret type zone plate lens by using reference radius/phase effect. <i>Ultrasonics</i> , 2019, 91, 237-241.	2.1	11
80	Step-index sapphire fiber and its application in a terahertz near-field microscopy. , 2019, , .		11
81	Flat and conformal zone plate antennas with new capabilities. , 2005, , .		10
82	Novel reflector-backed Fresnel zone plate antenna. <i>Microwave and Optical Technology Letters</i> , 2007, 49, 3096-3098.	0.9	10
83	Sound focusing of a wavelength-scale gas-filled flat lens. <i>Europhysics Letters</i> , 2018, 123, 64002.	0.7	10
84	Wavelength-scale gas-filled cuboid acoustic lens with diffraction limited focusing. <i>Results in Physics</i> , 2019, 12, 1905-1908.	2.0	10
85	Periodical focusing mode achieved through a chain of mesoscale dielectric particles with a refractive index near unity. <i>Optics Communications</i> , 2019, 434, 110-117.	1.0	10
86	Study of focusing parameters of wavelength-scale binary phase Fresnel zone plate. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 065101.	1.0	10
87	Responsivity enhancement of a strained silicon field-effect transistor detector at 0.3 THz using the terajet effect. <i>Optics Letters</i> , 2021, 46, 3061.	1.7	10
88	Active MMW/Terahertz Security System Based on Bessel Beams. , 2013, 2013, 1-4.		9
89	Physical Principles of Development of the State Standard of Biological Cell Polarizability. <i>Russian Physics Journal</i> , 2018, 60, 1901-1904.	0.2	9
90	Self-images contrast enhancement for displacement Talbot lithography by means of composite mesoscale amplitude-phase masks. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 015002.	1.0	9

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91	A Closer Look at Photonic Nanojets in Reflection Mode: Control of Standing Wave Modulation. <i>Photonics</i> , 2021, 8, 54.	0.9	9
92	Specular-reflection photonic hook generation under oblique illumination of a super-contrast dielectric microparticle. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 045602.	1.0	9
93	Simulation and experimental observations of axial position control of a photonic nanojet by a dielectric cube with a metal screen. <i>Optics Letters</i> , 2021, 46, 4292.	1.7	9
94	Cylindrical 3D printed configurable ultrasonic lens for subwavelength focusing enhancement. <i>Scientific Reports</i> , 2020, 10, 20279.	1.6	9
95	Diffraction limited photonic hook via scattering and diffraction of dual-dielectric structures. <i>Scientific Reports</i> , 2021, 11, 20278.	1.6	9
96	Photonic lenses with whispering gallery waves at Janus particles. , 2022, 1, 210008-210008.		9
97	Focusing properties of two types of diffractive photonic crystal lens. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2008, 17, 244-248.	0.4	8
98	Formation of terahertz beams produced by artificial dielectric periodical structures. , 2016, , .		8
99	Ultra-wideband radio tomographic imaging with resolution near the diffraction limit. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	8
100	High-Performance Ultrasonic Tweezers for Manipulation of Motile and Still Single Cells in a Droplet. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 3018-3027.	0.7	8
101	Electromagnetic Properties of Pyramids from Positions of Photonics. <i>Russian Physics Journal</i> , 2020, 62, 1763-1769.	0.2	8
102	On the Performance of the Zoned Fishnet Metamaterial Lens With Positive and Negative Reference Phase. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 1460-1463.	2.4	7
103	3D sound wave focusing by 2D internal periodic structure of 3D external cuboid shape. <i>Results in Physics</i> , 2019, 15, 102582.	2.0	7
104	Enhancement of pupil-masked wavelength-scale gas-filled flat acoustic lens based on anomaly apodization effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 396-399.	0.9	7
105	Improvement of a Terahertz Detector Performance Using the Terajet Effect in a Mesoscale Dielectric Cube: Proof of Concept. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 1900700.	1.2	7
106	Dielectric particle-based strategy to design a new self-bending subwavelength structured light beams. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 1019, 012093.	0.3	7
107	Physics of Hypercumulation: Jet Formation in Shaped Charge and Ablatively-Driven Implosion of Hollow Cones. <i>International Letters of Chemistry, Physics and Astronomy</i> , 0, 22, 76-86.	0.0	7
108	Whispering-gallery modes promote enhanced optical backflow in a perforated dielectric microsphere. <i>Optics Letters</i> , 2022, 47, 1786.	1.7	7

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109	NEW TECHNIQUE TO SUPPRESS SIDELobe CLUTTER IN PERIMETER SECURITY SYSTEMS. International Journal of High Speed Electronics and Systems, 2007, 17, 367-382.	0.3	6
110	Adaptation of Text Steganographic Algorithms for HTML. Siberian Russian Workshop and Tutorial on Electron Devices and Materials, 2007, , .	0.0	6
111	High-gain and Low-profile Dielectric Cuboid Antenna at J-band. , 2020, , .		6
112	Optical Manipulation of Micro- and Nanoobjects Based on Structured Mesoscale Particles: a Brief Review. Atmospheric and Oceanic Optics, 2020, 33, 464-469.	0.6	6
113	FDTD Analysis of a Flat Diffractive Optics with Sub-Reyleigh Limit Resolution in MM/THz Waveband. , 2006, , .		5
114	Simple Free-Space Method for Measurement of Dielectric Constant by Means of Diffractive Optics with New Capabilities. , 2006, , .		5
115	Investigation of low-profile Fresnel zone plate antennas. Microwave and Optical Technology Letters, 2008, 50, 2039-2043.	0.9	5
116	Localized high field enhancements from hemispherical 3D mesoscale dielectric particles in the reflection mode. , 2015, , .		5
117	Small-sized body influence on the quality factor increasing of quasioptical open resonator. Optical and Quantum Electronics, 2017, 49, 1.	1.5	5
118	New Opportunities for Colorectal Cancer Diagnostics Using an Optical Cell Detection System Based on Dielectrophoresis. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 568-573.	0.2	5
119	Comment on "Functional dielectric microstructure for photonic nanojet generation in reflection mode" by Aleksandr Sergeev and Ksenia Sergeeva, Optical Materials 110 (2020) 110503. Optical Materials, 2021, 112, 110770.	1.7	5
120	New technique to combat multipath fading in wireless networks. , 2006, 6248, 205.		4
121	Fresnel zone plate antenna with hexagonal-cut zones. Microwave and Optical Technology Letters, 2008, 50, 672-676.	0.9	4
122	Microcubes aided photonic jet scalpel tips for potential use in ultraprecise laser surgery. , 2015, , .		4
123	Beam compressed system concept based on dielectric cluster of self-similar three-dimensional dielectric cuboids. , 2016, , .		4
124	Phase Method for Visualization of Hidden Dielectric Objects in the Millimeter Waveband. Sensors, 2019, 19, 3919.	2.1	4
125	Multispectral Photonic Jet Shaping and Steering by Control of Tangential Electric Field Component on Cuboid Particle. Photonics, 2021, 8, 317.	0.9	4
126	Ultrafast all-optical THz modulation based on wavelength scaled dielectric particle with graphene monolayer. , 2019, , .		4

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127	In-plane subwavelength optical capsule for lab-on-a-chip nano-tweezers. Optics Letters, 2022, 47, 794.	1.7	4
128	Fresnel zone plate lens and antennas for millimeter waves: history and evolutions of developments and applications. , 0, , .		3
129	Comments on "Focusing Characteristics of Curvilinear Half-Open Fresnel Zone Plate Lenses: Plane Wave Illumination", IEEE Transactions on Antennas and Propagation, 2006, 54, 2692-2692.	3.1	3
130	THz quasioptics applications in security. , 2006, , .		3
131	Concept of Near-Field Millimeter-Wave Imaging System with a Spatial Resolution beyond the Abbe Barrier. , 2008, , .		3
132	Physics hypercumulation and combined shaped charges. , 2012, , .		3
133	MILLIMETER WAVE BINARY PHOTON SIEVE FRESNEL ZONE PLATE: FDTD ANALYSIS. Progress in Electromagnetics Research Letters, 2013, 43, 149-154.	0.4	3
134	Photonics of mesoscale nonspherical and non axisymmetrical dielectric particles and application to cuboid-chain with air-gaps waveguide based on periodic terajet-induced modes. , 2015, , .		3
135	The relationship between resonance scattering and the formation of an acoustojet under the interaction of ultrasound with a dielectric sphere immersed in water. Journal of Physics: Conference Series, 2017, 881, 012025.	0.3	3
136	Experimental characterization of terajet generated from dielectric cuboid under different illumination conditions. , 2017, , .		3
137	Control of Levitating Particle in Ultrasound Field. MATEC Web of Conferences, 2018, 155, 01017.	0.1	3
138	Phase Reversal Technique Applied to Fishnet Metalenses. International Journal of Antennas and Propagation, 2018, 2018, 1-8.	0.7	3
139	Super-resonances in a dielectric mesoscale sphere immersed in water: effects in extreme field localization of acoustic wave. Proceedings of Meetings on Acoustics, 2019, , .	0.3	3
140	Tunable depth of focus of acoustical pupil masked Soret Zone Plate. Sensors and Actuators A: Physical, 2019, 286, 183-187.	2.0	3
141	Short-range Wireless Transmitter Using Mesoscopic Dielectric Cuboid Antenna in 300-GHz Band. , 2021, , .		3
142	Plasmonic nanojet: an experimental demonstration: publisher's note. Optics Letters, 2020, 45, 3418.	1.7	3
143	The dielectric non-metallic reflecting FZP antennas. , 0, , .		2
144	Shadowing effect in curvilinear diffractive lens antennas. , 0, , .		2

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145	Array of Fresnel Zone Plate Lens Antennas: Circular, Hexagonal with Chiral Symmetry and Hexagonal Boundary. , 2006, , .		2
146	Subwavelength Diffractive Photonic Crystal Lens. , 2008, , .		2
147	Physics hypercumulation and comdined shaped charges. , 2012, , .		2
148	Some Possibilities of Hypercumulative Regime of Jet Formations. Applied Mechanics and Materials, 2015, 782, 42-48.	0.2	2
149	Extreme effects in field localization of acoustic wave: super-resonances in dielectric mesoscale sphere immersed in water. IOP Conference Series: Materials Science and Engineering, 2019, 516, 012042.	0.3	2
150	Application of ellipsometry, spr-technic and raman-spectroscopy into diagnosis of colorectal cancer. IOP Conference Series: Materials Science and Engineering, 2019, 516, 012017.	0.3	2
151	Application of Phase-Reversal Fresnel Zone Plates for Improving The Elevation Resolution in Ultrasonic Testing with Phased Arrays. Sensors, 2019, 19, 5080.	2.1	2
152	Improvement of an InfraRed Pyroelectric Detector Performances in THz Range Using the Terajet Effect. Applied Sciences (Switzerland), 2021, 11, 7011.	1.3	2
153	Dielectrophoresis erythrocytes images for predicting stroke recurrence based on analysis of hemorheological parameters. , 2019, , .		2
154	Theoretical and experimental investigations of photonic jet array from rectangle phase diffraction grating. , 2018, , .		2
155	Nuclear Magnetic Resonance and Infrared Spectroscopy Examination of Blood for Diagnosis of the Diffuse Hepatopathy State. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 787-793.	0.2	2
156	Antennas of MM-range based on the quasioptical diffraction elements (QDE) for the communication systems. , 0, , .		2
157	Optical Force on a Metal Nanorod Exerted by a Photonic Jet. Nanomaterials, 2022, 12, 251.	1.9	2
158	Some fundamental principles of the FZP-like antenna developments. , 0, , .		1
159	Technologies of Millimeter-Wave Road-Vehicle and Vehicle-Vehicle Communications. , 2006, , .		1
160	FZP Lens Array. , 2008, , 129-169.		1
161	Prospects for creating of standard complex for metrological maintenance of biophysical measurements. , 2014, , .		1
162	High resolution terajets via 3D dielectric cuboids at THz frequencies. , 2015, , .		1

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163	High resolution terajets using 3D dielectric cuboids. , 2015, , .		1
164	Terajet from 3D anisotropic artificial metamaterial. , 2016, , .		1
165	Brief review of acoustical (sonic) artificial lenses. , 2016, , .		1
166	Improving the performance of the zoned fishnet metalens using the reference phase technique. , 2016, , .		1
167	The possibility of total protein concentration determination based on acoustojet phenomenon. Journal of Physics: Conference Series, 2017, 881, 012038.	0.3	1
168	Spherical and cylindrical particle resonator as a cloak system. IOP Conference Series: Materials Science and Engineering, 2018, 363, 012026.	0.3	1
169	Reference radius in Fresnel Zone Plates to control ultrasound beamforming. Proceedings of Meetings on Acoustics, 2019, , .	0.3	1
170	Photonic Hook Main Properties. SpringerBriefs in Physics, 2021, , 1-22.	0.2	1
171	Photonic Jets Formation by Non Spherical Axially and Spatially Asymmetric 3D Dielectric Particles. SpringerBriefs in Physics, 2016, , 31-54.	0.2	1
172	Sound Focusing Capability of a CO2 Gas-Filled Cuboid. Physics of Wave Phenomena, 2020, 28, 333-337.	0.3	1
173	Light Focusing by a Binary Fresnel Zone Plate with Various Design Features. Atmospheric and Oceanic Optics, 2021, 34, 714-721.	0.6	1
174	Dielectric Wavelength-Scaled Metalenses Based on an Anomalous Apodization Effect for Photoconductive Optical-to-Terahertz Switches. , 2021, , .		1
175	New class microwave antennas, based on the elements of the diffraction quasioptics: advantages and applications. , 0, , .		0
176	The dielectric non-metallic reflecting FZP antennas. , 2000, , .		0
177	<title>Diffractional antenna-radomes for radar sensors: a review</title>. , 2002, , .		0
178	<title>New possibilities of diffractional antennas for radar sensor</title>. , 2002, 4744, 157.		0
179	A review of mm-wave and submm-wave antenna and lens developments using Fresnel diffraction theory. , 2003, , .		0
180	Cumulative plasma jet formation for acceleration of macroparticles. , 0, , .		0

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181	An Overview of conformal 3D diffraction lens antennas. , 0, , .		0
182	Generation of strong shock waves at the action of ring modulated laser beam radiation on the target. , 0, , .		0
183	Beam control in Fresnel zone plate antennas. , 0, , .		0
184	Novel type of the elements of integrated diffractive optics. , 2006, , .		0
185	Researches on Millimeter Wave 3D Imaging at Novosibirsk, Russia. , 2006, , .		0
186	Quasi-optical Material Measurements with Help of Diffractive Optics. , 2006, , .		0
187	Femtosecond Pulse Focusing by Means of Diffractive Elements on Tapered Surface. Siberian Russian Workshop and Tutorial on Electron Devices and Materials, 2007, , .	0.0	0
188	Some Fields of Lens Array Applications. , 2008, , 171-199.		0
189	Optimal Design of Diffractive Antennas on Cylindrical Surface. , 2008, , .		0
190	Dielectric zoned wedge wide scanned diffractive 3D lens antenna-radome. , 2014, , .		0
191	Spectral properties of 3D diffractive lenses with 3D subwavelength focusing spot. , 2014, , .		0
192	Experimental researches of flash temperature of petroleum products. , 2014, , .		0
193	Development of standard and measuring devices to determine the parameters of petroleum products. , 2014, , .		0
194	Physico-chemical properties petroleum products with the addition of NanoKOR-F, , 2014, , .		0
195	Experimental verification 3D subwavelength resolution beyond Abbe barrier with flat diffractive optic in millimeter wave. , 2014, , .		0
196	Dielectric Zoned Wedge Scanned Diffractive 3D lens antenna-radome. , 2014, , .		0
197	An innovative 3D diffractive lenses to overcome the 3D Abbe diffraction limit in millimeter wave: Simulation and experiment. , 2014, , .		0
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