

Svetlana N Khonina

List of Publications by Year in descending order

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479
papers

10,326
citations

41323

49
h-index

85498

71
g-index

491
all docs

491
docs citations

491
times ranked

2959
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing of inhomogeneously polarized Hermite-Gaussian vector beams to manage the 3D spin angular momentum density distribution. <i>Nanophotonics</i> , 2022, 11, 697-712.	2.9	14
2	A compact design of a modified Bragg grating filter based on a metal-insulator-metal waveguide for filtering and temperature sensing applications. <i>Optik</i> , 2022, 251, 168466.	1.4	20
3	Recent Advances in Wearable Optical Sensor Automation Powered by Battery versus Skin-like Battery-Free Devices for Personal Healthcare—A Review. <i>Nanomaterials</i> , 2022, 12, 334.	1.9	32
4	Free-Space Transmission and Detection of Various Polarized Near-IR Beams Using Standard Communication Systems with Embedded Singular Phase Structures. <i>Sensors</i> , 2022, 22, 890.	2.1	3
5	Wavelength-Tunable Vortex Beam Emitter Based on Silicon Micro-Ring with PN Depletion Diode. <i>Sensors</i> , 2022, 22, 929.	2.1	6
6	Hybrid metasurface perfect absorbers for temperature and biosensing applications. <i>Optical Materials</i> , 2022, 123, 111906.	1.7	26
7	A Miniaturized FSS-Based Eight-Element MIMO Antenna Array for Off/On-Body WBAN Telemetry Applications. <i>Electronics (Switzerland)</i> , 2022, 11, 522.	1.8	9
8	Fabrication and Investigation of Spectral Properties of a Dielectric Slab Waveguide Photonic Crystal Based Fano-Filter. <i>Crystals</i> , 2022, 12, 226.	1.0	15
9	Tailoring of Inverse Energy Flow Profiles with Vector Lissajous Beams. <i>Photonics</i> , 2022, 9, 121.	0.9	4
10	Revolution in Flexible Wearable Electronics for Temperature and Pressure Monitoring—A Review. <i>Electronics (Switzerland)</i> , 2022, 11, 716.	1.8	29
11	Adaptive Detection of Wave Aberrations Based on the Multichannel Filter. <i>Photonics</i> , 2022, 9, 204.	0.9	8
12	Analysis of the wavefront aberrations based on neural networks processing of the interferograms with a conical reference beam. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	1.1	10
13	Writing and reading with the longitudinal component of light using carbazole-containing azopolymer thin films. <i>Scientific Reports</i> , 2022, 12, 3477.	1.6	16
14	Vectorial spin Hall effect of light upon tight focusing. <i>Optics Letters</i> , 2022, 47, 2166.	1.7	18
15	Simple and Improved Plasmonic Sensor Configuration Established on MIM Waveguide for Enhanced Sensing Performance. <i>Plasmonics</i> , 2022, 17, 1305-1314.	1.8	19
16	Three-Dimensional Incoherent Imaging Using Spiral Rotating Point Spread Functions Created by Double-Helix Beams [Invited]. <i>Nanoscale Research Letters</i> , 2022, 17, 37.	3.1	19
17	Performance Comparison of Silicon- and Gallium-Nitride-Based MOSFETs for a Power-Efficient, DC-to-DC Flyback Converter. <i>Electronics (Switzerland)</i> , 2022, 11, 1222.	1.8	1
18	Advancement in Silicon Integrated Photonics Technologies for Sensing Applications in Near-Infrared and Mid-Infrared Region: A Review. <i>Photonics</i> , 2022, 9, 331.	0.9	17

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19	Numerical Study of Fabrication-Related Effects of the Structural-Profile on the Performance of a Dielectric Photonic Crystal-Based Fluid Sensor. <i>Materials</i> , 2022, 15, 3277.	1.3	8
20	Simultaneous Detection of Modal Composition and Wavelength of OAM Fields Using a Hexagonal Vortex Filter. , 2022, , .		1
21	Refractive Bi-Conic Axicon (Volcone) for Polarization Conversion of Monochromatic Radiation. <i>Photonics</i> , 2022, 9, 421.	0.9	5
22	Optical Computing: Status and Perspectives. <i>Nanomaterials</i> , 2022, 12, 2171.	1.9	28
23	Advances in Waveguide Bragg Grating Structures, Platforms, and Applications: An Up-to-Date Appraisal. <i>Biosensors</i> , 2022, 12, 497.	2.3	17
24	Polarization-Insensitive Hybrid Plasmonic Waveguide Design for Evanescent Field Absorption Gas Sensor. <i>Photonic Sensors</i> , 2021, 11, 279-290.	2.5	19
25	Device performance of standard strip, slot and hybrid plasmonic $\hat{1}/4$ -ring resonator: a comparative study. <i>Waves in Random and Complex Media</i> , 2021, 31, 2397-2406.	1.6	21
26	Metal-insulator-metal nano square ring resonator for gas sensing applications. <i>Waves in Random and Complex Media</i> , 2021, 31, 146-156.	1.6	46
27	Carbon Dioxide Gas Sensor Based on Polyhexamethylene Biguanide Polymer Deposited on Silicon Nano-Cylinders Metasurface. <i>Sensors</i> , 2021, 21, 378.	2.1	58
28	Spectral characteristics of broad band-rejection filter based on Bragg grating, one-dimensional photonic crystal, and subwavelength grating waveguide. <i>Physica Scripta</i> , 2021, 96, 055505.	1.2	13
29	Generation of multi-contour plane curves using vortex beams. <i>Optik</i> , 2021, 229, 166299.	1.4	11
30	Generation of Complex Transverse Energy Flow Distributions with Autofocusing Optical Vortex Beams. <i>Micromachines</i> , 2021, 12, 297.	1.4	10
31	Spatial-Light-Modulator-Based Multichannel Data Transmission by Vortex Beams of Various Orders. <i>Sensors</i> , 2021, 21, 2988.	2.1	36
32	Numerical investigation of metasurface narrowband perfect absorber and a plasmonic sensor for a near-infrared wavelength range. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 065102.	1.0	17
33	State-of-the-Art Optical Devices for Biomedical Sensing Applicationsâ€™A Review. <i>Electronics (Switzerland)</i> , 2021, 10, 973.	1.8	27
34	2D-Photonic crystal heterostructures for the realization of compact photonic devices. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 44, 100903.	1.0	19
35	Breaking the symmetry to structure light. <i>Optics Letters</i> , 2021, 46, 2605.	1.7	10
36	Plasmonic sensor based on metal-insulator-metal waveguide square ring cavity filled with functional material for the detection of CO ₂ gas. <i>Optics Express</i> , 2021, 29, 16584.	1.7	39

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37	Field quantization in a waveguide with freeform cladding. , 2021, , .		1
38	Generation of Multiple Vector Optical Bottle Beams. Photonics, 2021, 8, 218.	0.9	14
39	Silicon photonic devices realized on refractive index engineered subwavelength grating waveguides-A review. Optics and Laser Technology, 2021, 138, 106863.	2.2	42
40	Modeling the propagation of sets of autofocusing laser beams. , 2021, , .		0
41	Two-step maskless fabrication of compound fork-shaped gratings in nanomultilayer structures based on chalcogenide glasses. Optics Letters, 2021, 46, 3037.	1.7	10
42	Metalenses for the generation of vector Lissajous beams with a complex Poynting vector density. Optics Express, 2021, 29, 18634.	1.7	21
43	Power Phase Apodization Study on Compensation Defocusing and Chromatic Aberration in the Imaging System. Electronics (Switzerland), 2021, 10, 1327.	1.8	8
44	Metal-Insulator-Metal Waveguide-Based Racetrack Integrated Circular Cavity for Refractive Index Sensing Application. Electronics (Switzerland), 2021, 10, 1419.	1.8	18
45	Recent Advances in Generation and Detection of Orbital Angular Momentum Optical Beamsâ€”A Review. Sensors, 2021, 21, 4988.	2.1	46
46	Formation of Inverse Energy Flux in the Case of Diffraction of Linearly Polarized Radiation by Conventional and Generalized Spiral Phase Plates. Photonics, 2021, 8, 283.	0.9	3
47	Caustics of Non-Paraxial Perfect Optical Vortices Generated by Toroidal Vortex Lenses. Photonics, 2021, 8, 259.	0.9	14
48	Autofocusing and Self-Healing Properties of Aberration Laser Beams in a Turbulent Media. Physical Review Applied, 2021, 16, .	1.5	16
49	Study of Superoscillating Functions Application to Overcome the Diffraction Limit with Suppressed Sidelobes. Optics, 2021, 2, 155-168.	0.6	0
50	2D-Heterostructure Photonic Crystal Formation for On-Chip Polarization Division Multiplexing. Photonics, 2021, 8, 313.	0.9	5
51	Enlightening Aragoâ€™Poisson spot using structured light. Applied Optics, 2021, 60, 7432.	0.9	1
52	Mirror and Circular Symmetry of Autofocusing Beams. Symmetry, 2021, 13, 1794.	1.1	7
53	A Numerical Investigation of a Plasmonic Sensor Based on a Metal-Insulator-Metal Waveguide for Simultaneous Detection of Biological Analytes and Ambient Temperature. Nanomaterials, 2021, 11, 2551.	1.9	37
54	Robust multifilament arrays in air by Dammann grating. Optics Express, 2021, 29, 34189-34204.	1.7	16

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55	Recent advances in photonic crystal optical devices: A review. Optics and Laser Technology, 2021, 142, 107265.	2.2	78
56	Plasmonics: A Necessity in the Field of Sensing-A Review (Invited). Fiber and Integrated Optics, 2021, 40, 14-47.	1.7	52
57	Control of the intensity distribution along the light spiral generated by a generalized spiral phase plate. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 420.	0.9	16
58	Spiral Caustics of Vortex Beams. Photonics, 2021, 8, 24.	0.9	15
59	Robust Demultiplexing of Distinct Orbital Angular Momentum Infrared Vortex Beams Into Different Spatial Geometry Over a Broad Spectral Range. IEEE Access, 2021, 9, 143341-143348.	2.6	3
60	Optical detection of values of separate aberrations using a multi-channel filter matched with phase Zernike functions. Computer Optics, 2021, 45, .	1.3	6
61	Modern Types of Axicons: New Functions and Applications. Sensors, 2021, 21, 6690.	2.1	52
62	Propagation Invariant Features of Aberration Laser Beams in a Turbulent Media. , 2021, , .		0
63	Breaking the symmetry to structure light. , 2021, , .		2
64	Modeling the propagation of autofocusing beams in a linear and nonlinear optical medium. , 2021, , .		0
65	Optically formed Hermite-Gaussian mode classification via convolutional neural network. , 2021, , .		0
66	Cycle degree: another characteristic of the vortex phase distribution. , 2021, , .		0
67	Single- and Double-Beam Optical Formation of Relief-Phase Diffraction Microstructures in Carbazole-Containing Azopolymer Films. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgB7 /Overlo	1.7	14
68	Vectorial beam generation with a conical refractive surface. Computer Optics, 2021, 45, .	1.3	1
69	Neural networks application to determine the types and magnitude of aberrations from the pattern of the point spread function out of the focal plane. Journal of Physics: Conference Series, 2021, 2086, 012148.	0.3	8
70	Highly sensitive refractive index sensor based on hybrid plasmonic waveguide microring resonator. Waves in Random and Complex Media, 2020, 30, 292-299.	1.6	48
71	An array of nano-dots loaded MIM square ring resonator with enhanced sensitivity at NIR wavelength range. Optik, 2020, 202, 163655.	1.4	48
72	Sensitivity Enhancement of Silicon Strip Waveguide Ring Resonator by Incorporating a Thin Metal Film. IEEE Sensors Journal, 2020, 20, 1355-1362.	2.4	24

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73	Plasmonic sensors based on Metal-insulator-metal waveguides for refractive index sensing applications: A brief review. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 117, 113798.	1.3	158
74	The superposition of the Bessel and mirrored Bessel beams and investigation of their self-healing characteristic. <i>Optik</i> , 2020, 208, 164057.	1.4	17
75	A plasmonic colour filter and refractive index sensor applications based on metal-insulator-metal square μ -ring cavities. <i>Laser Physics</i> , 2020, 30, 016205.	0.6	36
76	Hybrid plasmonic waveguide race-track μ -ring resonator: Analysis of dielectric and hybrid mode for refractive index sensing applications. <i>Laser Physics</i> , 2020, 30, 016202.	0.6	8
77	Ultra-short lossless plasmonic power splitter design based on metal-insulator-metal waveguide. <i>Laser Physics</i> , 2020, 30, 016201.	0.6	23
78	Highly integrated plasmonic sensor design for the simultaneous detection of multiple analytes. <i>Current Applied Physics</i> , 2020, 20, 1274-1280.	1.1	37
79	Diffractive optical elements for multiplexing structured laser beams. <i>Quantum Electronics</i> , 2020, 50, 629-635.	0.3	50
80	Bessel Beam: Significance and Applications – A Progressive Review. <i>Micromachines</i> , 2020, 11, 997.	1.4	101
81	Wavefront Aberration Sensor Based on a Multichannel Diffractive Optical Element. <i>Sensors</i> , 2020, 20, 3850.	2.1	35
82	Nanodots decorated MIM semi-ring resonator cavity for biochemical sensing applications. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 42, 100836.	1.0	44
83	Evanescent Field Ratio Enhancement of a Modified Ridge Waveguide Structure for Methane Gas Sensing Application. <i>IEEE Sensors Journal</i> , 2020, 20, 8469-8476.	2.4	40
84	Modal Characteristics of Refractive Index Engineered Hybrid Plasmonic Waveguide. <i>IEEE Sensors Journal</i> , 2020, 20, 9779-9786.	2.4	22
85	Subwavelength gratings for creation and focusing of cylindrical vector beams. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012026.	0.3	0
86	Highly Sensitive Refractive Index Sensor Based on Plasmonic Bow Tie Configuration. <i>Photonic Sensors</i> , 2020, 10, 223-232.	2.5	51
87	A highly sensitive design of subwavelength grating double-slot waveguide microring resonator. <i>Laser Physics Letters</i> , 2020, 17, 076201.	0.6	29
88	Nanodots decorated asymmetric metal-insulator-metal waveguide resonator structure based on Fano resonances for refractive index sensing application. <i>Laser Physics</i> , 2020, 30, 076204.	0.6	33
89	Variable transformation of singular cylindrical vector beams using anisotropic crystals. <i>Scientific Reports</i> , 2020, 10, 5590.	1.6	30
90	Subwavelength Grating Double Slot Waveguide Racetrack Ring Resonator for Refractive Index Sensing Application. <i>Sensors</i> , 2020, 20, 3416.	2.1	47

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91	Generating autofocused aberration laser beams with different spectral performance. Journal of Optics (United Kingdom), 2020, 22, 045606.	1.0	11
92	Properties of vortex light fields generated by generalized spiral phase plates. Physical Review A, 2020, 101, .	1.0	44
93	Evaluating the influence of the refractive index dispersion of a harmonic lens on focusing properties. , 2020, , .		2
94	Application of a neural network for calculating the surface relief of a different level two-zone lens with an increased depth of field. , 2020, , .		10
95	Ultrashort inverted tapered silicon ridge-to-slot waveguide coupler at 1.55 μm and 3.392 μm wavelength. Applied Optics, 2020, 59, 7821.	0.9	21
96	Influence of optical forces induced by paraxial vortex Gaussian beams on the formation of a microrelief on carbazole-containing azopolymer films. Applied Optics, 2020, 59, 9185.	0.9	27
97	Caustics of the vortex beams generated by vortex lenses and vortex axicons. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 476.	0.8	25
98	Application of a binary curved fork grating for the generation and detection of optical vortices outside the focal plane. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1714.	0.9	16
99	Spectral control of the orbital angular momentum of a laser beam based on 3D properties of spiral phase plates fabricated for an infrared wavelength. Optics Express, 2020, 28, 18407.	1.7	38
100	Sector sandwich structure: an easy-to-manufacture way towards complex vector beam generation. Optics Express, 2020, 28, 27628.	1.7	11
101	Refractive twisted microaxicons. Optics Letters, 2020, 45, 1334.	1.7	28
102	Silicon microprotrusions with tailored chirality enabled by direct femtosecond laser ablation. Optics Letters, 2020, 45, 3050.	1.7	12
103	Vector Lissajous laser beams. Optics Letters, 2020, 45, 4112.	1.7	26
104	Energy deposition parameters revealed in the transition from 3D to 1D femtosecond laser ablation of fluorite at high-NA focusing. Optical Materials Express, 2020, 10, 3291.	1.6	12
105	Ultrafast spinning twisted ribbons of confined electric fields. Optica, 2020, 7, 1228.	4.8	16
106	Achievements in the development of plasmonic waveguide sensors for measuring the refractive index. Computer Optics, 2020, 44, .	1.3	39
107	High-speed format 1000BASE-SX / LX transmission through the atmosphere by vortex beams near IR range with help modified SFP-transmers DEM-310GT. Computer Optics, 2020, 44, .	1.3	20
108	Properties of off-axis caustics of autofocusing chirp beams. Computer Optics, 2020, 44, .	1.3	9

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109	Recognition of wavefront aberrations types corresponding to single Zernike functions from the pattern of the point spread function in the focal plane using neural networks. <i>Computer Optics</i> , 2020, 44, .	1.3	20
110	A method of generating a random optical field using the Karhunen-Loeve expansion to simulate atmospheric turbulence. <i>Computer Optics</i> , 2020, 44, .	1.3	4
111	Experimental investigation of nonlinear spiral phase plates. , 2020, , .		0
112	Formation of microstructures in an azopolymer using paraxial vortex Gaussian beams. , 2020, , .		0
113	Forming of periodic three-dimensional intensity distributions based on superposition of spherical harmonics. , 2020, , .		2
114	Generation of scalable wavefront for testing optical systems. , 2020, , .		4
115	Optical Beams: Polarization Conversion of Focused Vortex Beams. , 2020, , 341-382.		0
116	Algorithm for reconstructing complex coefficients of Laguerreâ€“Gaussian modes from the intensity distribution of their coherent superposition. <i>Computer Optics</i> , 2020, 44, .	1.3	8
117	Femtosecond multifilament arrays in air using diffraction optical elements. , 2020, , .		0
118	Structural and Polarization Transformations of Laser Beams in Anisotropic Crystals. <i>Optoelectronics, Instrumentation and Data Processing</i> , 2020, 56, 170-175.	0.2	0
119	Increasing Depth of Field of Tilted Diffractive Lens in Image Classification Task. , 2020, , .		1
120	Robust multifilament arrays using Dammann phase grating. , 2020, , .		0
121	Diffractive optics technologies for the control of high-power terahertz laser beams. , 2020, , .		0
122	Symmetric nanostructuring and plasmonic excitation of gold nanostructures by femtosecond Laguerre â€“ Gaussian laser beams. <i>Quantum Electronics</i> , 2019, 49, 666-671.	0.3	9
123	Efficient generation of arrays of closed-packed high-quality light rings. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2019, 37, 100736.	1.0	7
124	Local characteristics of paraxial Laguerreâ€“Gaussian vortex beams with a zero total angular momentum. <i>Journal of Modern Optics</i> , 2019, 66, 1961-1972.	0.6	11
125	Label-free detection of ambient refractive index based on plasmonic Bragg gratings embedded resonator cavity sensor. <i>Journal of Modern Optics</i> , 2019, 66, 1920-1925.	0.6	21
126	Caustics of Vortex Optical Beams. <i>Doklady Physics</i> , 2019, 64, 276-279.	0.2	23

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127	Enhancement of evanescent field ratio in a silicon strip waveguide by incorporating a thin metal film. <i>Laser Physics</i> , 2019, 29, 076202.	0.6	7
128	Fractional two-parameter parabolic diffraction-free beams. <i>Optics Communications</i> , 2019, 450, 103-111.	1.0	14
129	Spatiotemporal dynamics of the polarisation state of laser radiation performed by lens-axicon combinations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2535-2541.	0.9	6
130	Vortex beams with high-order cylindrical polarization: features of focal distributions. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	1.1	38
131	Plasmon excitation of gold split-ring array: spectral studies and numerical simulation. <i>Laser Physics Letters</i> , 2019, 16, 066007.	0.6	2
132	Numerical analysis of a miniaturized design of a Fabry-Perot resonator based on silicon strip and slot waveguides for bio-sensing applications. <i>Journal of Modern Optics</i> , 2019, 66, 1172-1178.	0.6	22
133	Plasmonic refractive index sensor based on metal-insulator-metal waveguides with high sensitivity. <i>Journal of Modern Optics</i> , 2019, 66, 1038-1043.	0.6	88
134	A T-shaped balanced optical power splitter based on 90° bend asymmetric vertical slot waveguides. <i>Laser Physics</i> , 2019, 29, 046207.	0.6	14
135	A serially cascaded micro-ring resonator for simultaneous detection of multiple analytes. <i>Laser Physics</i> , 2019, 29, 046208.	0.6	15
136	High-throughput micropatterning of plasmonic surfaces by multiplexed femtosecond laser pulses for advanced IR-sensing applications. <i>Applied Surface Science</i> , 2019, 484, 948-956.	3.1	35
137	Subwavelength Diffraction Grating with Continuous Ridges for Inverse Energy Flux Generation. , 2019, , .		1
138	Formation of microstructures on the surface of a carbazole-containing azopolymer by the action of laser beams. <i>Journal of Physics: Conference Series</i> , 2019, 1368, 022069.	0.3	3
139	Plasmonic Nanolenses Produced by Cylindrical Vector Beam Printing for Sensing Applications. <i>Scientific Reports</i> , 2019, 9, 19750.	1.6	31
140	A multichannel metallic dual nano-wall square split-ring resonator: design analysis and applications. <i>Laser Physics Letters</i> , 2019, 16, 126201.	0.6	32
141	Metalens for creation of the longitudinally polarized photonic needle. <i>Journal of Physics: Conference Series</i> , 2019, 1368, 022008.	0.3	1
142	Chirality of laser-printed plasmonic nanoneedles tunable by tailoring spiral-shape pulses. <i>Applied Surface Science</i> , 2019, 470, 526-534.	3.1	57
143	Cadmium telluride thin-film response for a laser beam illumination. <i>Journal of Optics (India)</i> , 2019, 48, 81-86.	0.8	0
144	Diffraction catastrophes and asymptotic analysis of caustics from axisymmetric optical elements. , 2019, , .		9

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145	Binary multi-order diffraction optical elements with variable fill factor for the formation and detection of optical vortices of arbitrary order. <i>Applied Optics</i> , 2019, 58, 8227.	0.9	19
146	Dynamic focal shift and extending depth of focus based on the masking of the illuminating beam and using an adjustable axicon. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019, 36, 1039.	0.8	25
147	Generation of an optical ball bearing facilitated by coupling between handedness of polarization of light and helicity of its phase. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 2087.	0.9	9
148	Astigmatic transformation of optical vortex beams with high-order cylindrical polarization. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 2193.	0.9	12
149	Metasurfaces with continuous ridges for inverse energy flux generation. <i>Optics Express</i> , 2019, 27, 15129.	1.7	34
150	Recognition of polarization and phase states of light based on the interaction of non-uniformly polarized laser beams with singular phase structures. <i>Optics Express</i> , 2019, 27, 18484.	1.7	38
151	10-million-elements-per-second printing of infrared-resonant plasmonic arrays by multiplexed laser pulses. <i>Optics Letters</i> , 2019, 44, 283.	1.7	32
152	Symmetry-wise nanopatterning and plasmonic excitation of ring-like gold nanoholes by structured femtosecond laser pulses with different polarizations. <i>Optics Letters</i> , 2019, 44, 1129.	1.7	8
153	Increased reverse energy flux area when focusing a linearly polarized annular beam with binary plates. <i>Optics Letters</i> , 2019, 44, 2008.	1.7	15
154	Catastrophe theory and caustics of radially symmetric beams. <i>Computer Optics</i> , 2019, 43, .	1.3	8
155	Formation of required distributions on the basis of decomposition by vortex eigen functions of a bounded non-paraxial propagation operator. <i>Computer Optics</i> , 2019, 43, .	1.3	6
156	Investigation of the topological charge stability for multi-ringed Laguerre–Gauss vortex beams to random distortions. <i>Computer Optics</i> , 2019, 43, .	1.3	8
157	Design, fabrication and investigation of a subwavelength axicon for terahertz beam polarization transforming. <i>Computer Optics</i> , 2019, 43, .	1.3	21
158	Analysis of the amplitude on optical axis at the incidence of the conical wave on an astigmatic lens. , 2019, , .		0
159	A technique for simultaneous detection of individual vortex states of Laguerre–Gaussian beams transmitted through an aqueous suspension of microparticles. <i>Optics and Lasers in Engineering</i> , 2018, 105, 68-74.	2.0	61
160	Hybrid plasmonic waveguide-assisted Metal–Insulator–Metal ring resonator for refractive index sensing. <i>Journal of Modern Optics</i> , 2018, 65, 1135-1140.	0.6	79
161	Sudden autofocusing of superlinear chirp beams. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 025605.	1.0	43
162	Modelling of Rib channel waveguides based on silicon-on-sapphire at 4.67×10^{-4} m wavelength for evanescent field gas absorption sensor. <i>Optik</i> , 2018, 168, 692-697.	1.4	29

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163	Birefringence detection of a gradient-index lens based on astigmatic transformation of a Bessel beam. <i>Optik</i> , 2018, 164, 679-685.	1.4	16
164	Polarization-selective Excitation of Dye Luminescence on a Gold Film by Structured Ultrashort Laser Pulses. <i>JETP Letters</i> , 2018, 107, 15-18.	0.4	14
165	Formation of signals matched with vortex eigenfunctions of bounded double lens system. <i>Optics Communications</i> , 2018, 410, 153-159.	1.0	11
166	Silicon on silicon dioxide slot waveguide evanescent field gas absorption sensor. <i>Journal of Modern Optics</i> , 2018, 65, 174-178.	0.6	65
167	Light confinement in a 90° double high mesa slot bend waveguide. <i>Journal of Physics: Conference Series</i> , 2018, 1096, 012126.	0.3	2
168	Apodization for improving the two-point resolution of coherent optical systems with defect of focus. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	18
169	Plasmonic refractive index sensor based on M-I-M square ring resonator. , 2018, , .		14
170	Au-SiO ₂ -Si hybrid plasmonic waveguide micro-ring resonator sensor. <i>Journal of Physics: Conference Series</i> , 2018, 1124, 051001.	0.3	5
171	Compact design of a polarization beam splitter based on silicon-on-insulator platform. <i>Laser Physics</i> , 2018, 28, 116202.	0.6	16
172	Formation of hybrid higher-order cylindrical vector beams using binary multi-sector phase plates. <i>Scientific Reports</i> , 2018, 8, 14320.	1.6	42
173	Inverse energy flux of focused radially polarized optical beams. <i>Physical Review A</i> , 2018, 98, .	1.0	38
174	Comparative study of impact of random environment on individual and combined Laguerre-Gauss modes. <i>Journal of Physics: Conference Series</i> , 2018, 1038, 012070.	0.3	1
175	Study of the electro-optical transformation of linearly polarized Bessel beams propagating along the optic axis of an anisotropic DKDP crystal. <i>Journal of Optical Technology (A Translation of Opticheskie Tj ETQq1 1 0.784314 r8T /Ove</i>		8
176	3D transformations of light fields in the focal region implemented by diffractive axicons. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	35
177	Apodization of two-dimensional pupils with aberrations. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	10
178	Focusing of shifted vortex beams of arbitrary order with different polarization. <i>Optics Communications</i> , 2018, 426, 359-365.	1.0	20
179	Aberration laser beams with autofocusing properties. <i>Applied Optics</i> , 2018, 57, 1410.	0.9	38
180	Tighter focus for ultrashort pulse vector light beams: change of the relative contribution of different field components to the focal spot upon pulse shortening. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 985.	0.8	19

#	ARTICLE	IF	CITATIONS
181	Generation of nonuniformly polarised vortex Bessel beams by an interference polariser. <i>Quantum Electronics</i> , 2018, 48, 521-526.	0.3	9
182	Fractal Cylindrical Fracxicon. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2018, 27, 1-9.	0.4	9
183	Transverse structure and energy deposition control by amplitude and phase beam regularization in multifilamentation regime. , 2018, , .		0
184	Generalized parabolic nondiffracting beams of two orders. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 1511.	0.8	37
185	Polarisation-dependent transformation of vortex beams when focused perpendicular to the crystal axis. <i>Optics Communications</i> , 2018, 428, 63-68.	1.0	10
186	Sublinearly chirped metalenses for forming abruptly autofocusing cylindrically polarized beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1963.	0.9	38
187	Anisotropic diffractive optical element for generating hybrid-polarized beams. <i>Optical Engineering</i> , 2018, 58, 1.	0.5	5
188	Conversion of a conical wave with circular polarization into a vortex cylindrically polarized beam in a metal waveguide. <i>Computer Optics</i> , 2018, 42, 197-211.	1.3	9
189	A compact design of a balanced $1\lambda-4$ optical power splitter based on silicon on insulator slot waveguides. <i>Computer Optics</i> , 2018, 42, 244-247.	1.3	11
190	A four-sector polarization converter integrated in a calcite crystal. <i>Computer Optics</i> , 2018, 42, 401-407.	1.3	10
191	Comparison of focusing of short pulses in the Debye approximation. <i>Computer Optics</i> , 2018, 42, 432-446.	1.3	18
192	Calculation of the angular momentum of an electromagnetic field inside a waveguide with absolutely conducting walls: ab initio. <i>Computer Optics</i> , 2018, 42, 588-605.	1.3	17
193	Focusing of light beams by the phase apodization pupil. <i>Computer Optics</i> , 2018, 42, 620-626.	1.3	8
194	Investigation of photoinduced formation of microstructures on the surface of carbazole-containing azopolymer depending on the power density of incident beams. <i>Computer Optics</i> , 2018, 42, 779-785.	1.3	14
195	Propagation of electromagnetic pulses and calculation of dynamic invariants in a waveguide with a convex shell. <i>Computer Optics</i> , 2018, 42, 947-958.	1.3	7
196	Experimental investigation of complex circular Airy beam characteristics. , 2018, , .		2
197	Investigation of focusing features of a spiral binary axicon. , 2018, , .		0
198	Simulation of vortex laser beams superposition propagation through a random optical environment. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
199	Diffractive optical elements for generation and transformation of structured laser beams. , 2018, , .		0
200	Very compact focal spot in the near-field of the fractional axicon. Optics Communications, 2017, 391, 24-29.	1.0	29
201	Generation of a controlled double-ring-shaped radially polarized spiral laser beam using a combination of a binary axicon with an interference polarizer. Journal of Optics (United Kingdom), 2017, 19, 055701.	1.0	27
202	Diffractive polarization illuminator for a two-axis fiber-optic angle sensor. Proceedings of SPIE, 2017, , .	0.8	0
203	Iterative approach to solve the inverse diffraction problem under sharp focusing conditions. Optical Memory and Neural Networks (Information Optics), 2017, 26, 18-25.	0.4	9
204	An evanescent field absorption gas sensor at mid-IR 3.39 μ m wavelength. Journal of Modern Optics, 2017, 64, 1892-1897.	0.6	52
205	Far-field light imaging in the presence of atmospheric turbulence with rotating anti-phase apertures: Theoretical investigation. , 2017, , .		4
206	Polarization conversion under focusing of vortex laser beams along the axis of anisotropic crystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2444-2455.	0.9	42
207	Comparison of propagation of vortex and non-vortex laser beams in a random medium. , 2017, , .		1
208	Diffractive axicon with tunable fill factor for focal ring splitting. , 2017, , .		11
209	Generation of closed-packed optical vortex beams using two-level pure-phase diffractive multiplexer. AIP Conference Proceedings, 2017, , .	0.3	1
210	Modeling of nebula viewing broadband and narrowband filters based on TiO ₂ -SiO ₂ multilayers. Proceedings of SPIE, 2017, , .	0.8	0
211	Defined distribution forming in the near diffraction zone based on expansion of finite propagation operator eigenfunctions. Procedia Engineering, 2017, 201, 53-60.	1.2	4
212	Polarization conversion at sharp focusing of vector vortex beams. , 2017, , .		0
213	Study of conservation of the topological charge of vortex beams transferring in a random media. , 2017, , .		0
214	Complex Pupil Masks for Aberrated Imaging of Closely Spaced Objects. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2017, 123, 940-949.	0.2	17
215	Nonparaxial effects in lensacon optical systems. Optoelectronics, Instrumentation and Data Processing, 2017, 53, 484-493.	0.2	20
216	Dielectric-Metal-Dielectric (D-M-D) infrared (IR) heat reflectors. Journal of Physics: Conference Series, 2017, 917, 062007.	0.3	3

#	ARTICLE	IF	CITATIONS
217	Investigation of vortex laser beam injection into an optical fiber. Journal of Physics: Conference Series, 2017, 917, 062035.	0.3	1
218	Propagation modeling of vortex generalized airy beams in parabolic fiber. , 2017, , .		0
219	Fractional Airy beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1991.	0.8	47
220	Direct laser printing of chiral plasmonic nanojets by vortex beams. Optics Express, 2017, 25, 10214.	1.7	116
221	Simple method for efficient reconfigurable optical vortex beam splitting. Optics Express, 2017, 25, 18722.	1.7	20
222	Focused, evanescent, hollow, and collimated beams formed by microaxicons with different conical angles. Optics Express, 2017, 25, 19052.	1.7	37
223	Zero-orbital-angular-momentum laser printing of chiral nanoneedles. Optics Letters, 2017, 42, 5022.	1.7	38
224	Effect of the fill factor of an annular diffraction grating on the energy distribution in the focal plane. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2017, 84, 580.	0.2	15
225	Modeling of a narrow band pass filter for Bathymetry light detection and ranging (LIDAR) system. Journal of Physics: Conference Series, 2017, 917, 062004.	0.3	1
226	Generation of azimuthally modulated circular superlinear Airy beams. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2544.	0.9	31
227	Multi-beam pulsed-laser patterning of plasmonic films using broadband diffractive optical elements. Optics Letters, 2017, 42, 2838.	1.7	50
228	Zernike basis-matched multi-order diffractive optical elements for wavefront weak aberrations analysis. , 2017, , .		13
229	Study of propagation of vortex beams in aerosol optical medium. Applied Optics, 2017, 56, E8.	2.1	68
230	Hybrid asymptotic method for analyzing caustics of optical elements in the axially symmetric case. Computer Optics, 2017, 41, 175-182.	1.3	10
231	Analysis of focusing light by a harmonic diffractive lens taking into account the refractive index dispersion. Computer Optics, 2017, 41, 338-347.	1.3	17
232	ASYMMETRIC APODIZATION FOR THE COMMA ABERRATED POINT SPREAD FUNCTION. Computer Optics, 2017, 41, 484-488.	1.3	16
233	CONDITIONS OF A SINGLE-MODE RIB CHANNEL WAVEGUIDE BASED ON DIELECTRIC TIO2/SIO2. Computer Optics, 2017, 41, 494-498.	1.3	8
234	GENERATION OF CLOSELY LOCATED LIGHT SPOTS USING SPECULAR AIRY LASER BEAMS. Computer Optics, 2017, 41, 661-668.	1.3	4

#	ARTICLE	IF	CITATIONS
235	The compact converter of Bessel beams of zero and second orders on the basis of z-cut lithium niobate. Journal of Physics: Conference Series, 2016, 741, 012138.	0.3	0
236	Anchored multi-DOF MEMS gyroscope having robust drive mode. , 2016, , .		1
237	Simulation of vortex laser beams propagation in parabolic index media based on fractional Fourier transform. Journal of Physics: Conference Series, 2016, 741, 012142.	0.3	6
238	Tight focusing of higher orders Laguerre-Gaussian modes. AIP Conference Proceedings, 2016, , .	0.3	11
239	Electro-optical converter of zero-order and second-order Bessel laser beams for the photolithography systems. , 2016, , .		0
240	Axicons for power conversion efficiency enhancement in solar cells for the visible spectrum. Journal of Physics: Conference Series, 2016, 741, 012102.	0.3	0
241	Micro-taper as focusing or scattering optical element. AIP Conference Proceedings, 2016, , .	0.3	1
242	Calculation of eigenfunctions of bounded waveguide with quadratic refractive index. Journal of Physics: Conference Series, 2016, 735, 012002.	0.3	1
243	Biomedical bandpass filter for fluorescence microscopy imaging based on TiO ₂ /SiO ₂ and TiO ₂ /MgF ₂ dielectric multilayers. Journal of Physics: Conference Series, 2016, 741, 012136.	0.3	6
244	Optomechanical control of transforming Bessel beams in a c-cut of lithium niobate. Journal of Physics: Conference Series, 2016, 735, 012059.	0.3	1
245	Polarization conversion when focusing cylindrically polarized vortex beams. Scientific Reports, 2016, 6, 6.	1.6	244
246	Experimental investigation of spiral beam formation by binary spiral axicons. AIP Conference Proceedings, 2016, , .	0.3	0
247	Reactive ion etching of indium-tin oxide films by CCl ₄ -based Inductivity Coupled Plasma. Journal of Physics: Conference Series, 2016, 741, 012105.	0.3	3
248	Propagation of vortex eigenfunctions of bounded Hankel transform in a parabolic fiber. , 2016, , .		1
249	3D simulation of silicon micro-ring resonator with Comsol. , 2016, , .		3
250	Experimental investigation of multi-order diffractive optical elements matched with two types of Zernike functions. Proceedings of SPIE, 2016, , .	0.8	25
251	Modeling of forming radially polarized beams on the basis of refractive elements with interference polarizer. , 2016, , .		2
252	Calculating x-ray diffraction on crystals by means of the differential method. Proceedings of SPIE, 2016, , .	0.8	3

#	ARTICLE	IF	CITATIONS
253	Design and simulation of non-resonant 1-DOF drive mode and anchored 2-DOF sense mode gyroscope for implementation using UV-LIGA process. , 2016, , .		0
254	Nanocrystalline silicon thin films and grating structures for solar cells. , 2016, , .		5
255	Ultrafast rotating dipole or propeller-shaped patterns: subwavelength shaping of a beam of light on a femtosecond time scale. Optics Letters, 2016, 41, 1605.	1.7	23
256	Design of diffractive micro-patterns with weak wavelength dependence. , 2016, , .		0
257	Generation of Hermiteâ€“Gaussian modes of high-power femtosecond laser radiation using binary-phase diffractive optical elements. Quantum Electronics, 2016, 46, 733-737.	0.3	22
258	Acceleration characterization of dual purpose gyro/accelerometer device using MS3110 differential capacitive read out IC. , 2016, , .		1
259	Study of extended focal segment formation by conic axicons and layered lenses. , 2016, , .		3
260	Control of the formation of vortex Bessel beams in uniaxial crystals by varying the beam divergence. Quantum Electronics, 2016, 46, 163-168.	0.3	16
261	Time behavior of focused vector beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1948.	0.8	20
262	Analysis of the formation of a longitudinally polarized optical needle by a lens and axicon under tightly focused conditions. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2016, 83, 197.	0.2	24
263	On-Fly Femtosecond-Laser Fabrication of Self-Organized Plasmonic Nanotextures for Chemo- and Biosensing Applications. ACS Applied Materials & Interfaces, 2016, 8, 24946-24955.	4.0	58
264	Transformation of Bessel Beams in C-Cuts of Uniaxial Crystals by Varying the Emission Source Wavelength. Journal of Russian Laser Research, 2016, 37, 250-253.	0.3	5
265	Ultraviolet-LIGA-based fabrication and characterization of a nonresonant drive-mode vibratory gyro/accelerometer. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2016, 15, 035001.	1.0	9
266	Fabrication of silicon slanted grating by using modified thermal deposition technique to enhance fiber-to-chip coupling. , 2016, , .		1
267	Modelling of TiO2 based slot waveguides with high optical confinement in sharp bends. , 2016, , .		8
268	Generation of cylindrical vector beams on the basis of uniaxial crystals and various types of DOEs. , 2016, , .		0
269	Design and fabrication of a 1-DOF drive mode and 2-DOF sense mode micro-gyroscope using SU-8 based UV-LIGA process. AIP Conference Proceedings, 2016, , .	0.3	2
270	Indium phosphide all air-gap Fabry-PÃ©rot filters for near-infrared spectroscopic applications. Journal of Physics: Conference Series, 2016, 741, 012135.	0.3	2

#	ARTICLE	IF	CITATIONS
271	Demonstration of vortical beams spectral stability formed in non-zero diffraction orders. Journal of Physics: Conference Series, 2016, 735, 012023.	0.3	3
272	Control of the optical properties of a CaCO ₃ crystal in problems of generating Bessel vortex beams by heating. Optoelectronics, Instrumentation and Data Processing, 2016, 52, 174-179.	0.2	6
273	Focusing of the laser beam by the conical axicon and the matched linearly layered lens. , 2016, , .		3
274	Effect of power on growth of nanocrystalline silicon films deposited by VHF PECVD technique for solar cell applications. AIP Conference Proceedings, 2016, , .	0.3	5
275	Layered lens with a linear dependence of the refractive index change. , 2016, , .		7
276	Modelling of the optical planar waveguide based on (Yb,Nb):RTP/RTP(001) system for cell counting. , 2016, , .		2
277	Fabrication of optical waveguides in RbTiOPO ₄ single crystals by using different techniques. Proceedings of SPIE, 2016, , .	0.8	2
278	Implementation of ordinary and extraordinary beams interference by application of diffractive optical elements. Journal of Modern Optics, 2016, , 1-9.	0.6	13
279	Photonic nanohelix generated by a binary spiral axicon. Applied Optics, 2016, 55, B44.	0.9	39
280	Analysis of polarisation states at sharp focusing. Optik, 2016, 127, 3372-3378.	1.4	24
281	Singular laser beams nanofocusing with dielectric nanostructures: theoretical investigation. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2480.	0.9	11
282	Optical planar waveguide sensor based on (Yb,Nb):RTP/RTP(001) system for the estimation of metal coated cells. , 2016, , .		4
283	Design and analysis of a three-wave diffraction focusing doublet. Computer Optics, 2016, 40, 173-178.	1.3	5
284	Geometric-optical calculation of the focal spot of a harmonic diffractive lens. Computer Optics, 2016, 40, 331-337.	1.3	12
285	Electro-optical correction of Bessel beam conversion along the axis of a barium niobate-strontium crystal. Computer Optics, 2016, 40, 475-481.	1.3	6
286	Vortex beams in turbulent media: review. Computer Optics, 2016, 40, 605-624.	1.3	110
287	Design, simulation, and fabrication of silicon-on-insulator MEMS vibratory decoupled gyroscope. Computer Optics, 2016, 40, 668-673.	1.3	3
288	ANALYSIS OF CORNEAL ABERRATION OF THE HUMAN EYE. Computer Optics, 2016, 40, 810-817.	1.3	19

#	ARTICLE	IF	CITATIONS
289	Alignment and study of prototypes of the Offner hyperspectrometer. VESTNIK of the Samara State Aerospace University, 2016, 15, 197.	0.1	8
290	Diffraction of Gaussian beams by micro-cylinders with sub-wavelength radius. , 2015, , .		0
291	Generalized apodization of an incoherent imaging system aimed for extending the depth of focus. Pattern Recognition and Image Analysis, 2015, 25, 626-631.	0.6	25
292	Nanoscale boiling during single-shot femtosecond laser ablation of thin gold films. JETP Letters, 2015, 101, 394-397.	0.4	33
293	Interference analysis of radially polarized laser beams generated by ring optical elements with vortical phases at sharp focusing. Optical Memory and Neural Networks (Information Optics), 2015, 24, 130-144.	0.4	4
294	Diffraction patterns with m th order symmetry generated by sectional spiral phase plates. Journal of Optics (United Kingdom), 2015, 17, 125607.	1.0	23
295	Transmission of focused light signal through an apertured probe of a near-field scanning microscope. Pattern Recognition and Image Analysis, 2015, 25, 306-313.	0.6	4
296	Generation of cylindrical vector beams of high orders using uniaxial crystals. Journal of Optics (United Kingdom), 2015, 17, 065001.	1.0	65
297	Optimization of the Optical Microelements Using High-Performance Computer Systems. Radiophysics and Quantum Electronics, 2015, 57, 650-658.	0.1	16
298	Experimental generation of the longitudinal electric field component on the optical axis with high-numerical-aperture binary axicons. , 2015, , .		1
299	Calculation of the eigenfunctions of two lens imaging system. , 2015, , .		3
300	Forming near-field helical intensity using a binary vortical axicon. Proceedings of SPIE, 2015, , .	0.8	1
301	A Longitudinally Polarized Beam Generated by a Binary Axicon. Journal of Russian Laser Research, 2015, 36, 151-161.	0.3	22
302	Simulation of spectral filters used in hyperspectrometer by decomposition on vector Bessel modes. Proceedings of SPIE, 2015, , .	0.8	11
303	Three-dimensional laser trapping on the base of binary radial diffractive optical element. Journal of Modern Optics, 2015, 62, 1183-1186.	0.6	13
304	Vortex phase elements as detectors of polarization state. Optics Express, 2015, 23, 17845.	1.7	74
305	Lightning-rod effect near sharp dielectric structures. , 2015, , .		2
306	Transformation of Bessel beams passing through uniaxial y-cut crystal. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
307	Sharp focusing of laser beams in anisotropic uniaxial crystals. Journal of Optical Technology (A) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	0.2	4
308	Local foci of a parabolic binary diffraction lens. Applied Optics, 2015, 54, 5680.	2.1	18
309	Laser beam polarization type identification in the tight focus model. Pattern Recognition and Image Analysis, 2015, 25, 442-455.	0.6	0
310	Creating order with the help of randomness: generating transversely random, longitudinally invariant vector optical fields. Optics Letters, 2015, 40, 4070.	1.7	18
311	Comparative investigation of nonparaxial mode propagation along the axis of uniaxial crystal. Journal of Modern Optics, 2015, 62, 125-134.	0.6	29
312	Lenses to form a longitudinal distribution matched with special functions. Optics Communications, 2015, 341, 114-121.	1.0	9
313	Study of focusing into closely spaced spots via illuminating a diffractive optical element by a short-pulse laser beam. Computer Optics, 2015, 39, 187-196.	1.3	8
314	Study of the Diffraction Grating on a Convex Surface as a Dispersive Element. Computer Optics, 2015, 39, 211-217.	1.3	23
315	CALCULATION OF EIGENFUNCTIONS OF A BOUNDED FRACTIONAL FOURIER TRANSFORM. Computer Optics, 2015, 39, 332-338.	1.3	17
316	COMPARATIVE STUDY OF THE SPECTRAL CHARACTERISTICS OF ASPHERIC LENSE. Computer Optics, 2015, 39, 363-239.	1.3	8
317	A differential method for calculating X-ray diffraction on crystals: scalar theory. Computer Optics, 2015, 39, 469-479.	1.3	7
318	Generation of radially polarized beams based on the refractive optical elements with interference polarizing coatings. Computer Optics, 2015, 39, 492-499.	1.3	12
319	Diffraction by a conical axicon considering multiple internal reflections. Computer Optics, 2015, 39, 500-507.	1.3	9
320	Characteristics of sharp focusing of vortex Laguerre-Gaussian beams. Computer Optics, 2015, 39, 654-662.	1.3	37
321	Influence of eye refractive surface curvature modification on the retinal image quality in the liou-brennan eye model. Computer Optics, 2015, 39, 702-708.	1.3	5
322	Theoretical investigation of vortex Gaussian beams focusing along the axis of the crystal. VESTNIK of the Samara State Aerospace University, 2015, 14, 190.	0.1	1
323	Nonparaxial iterative calculation of diffractive optical elements focusing in a subwave light spot. Vestnik of Samara University: Aerospace and Mechanical Engineering, 2015, , 122.	0.0	0
324	Effective transformation of a zero-order Bessel beam into a second-order vortex beam using a uniaxial crystal. Laser Physics, 2014, 24, 056101.	0.6	48

#	ARTICLE	IF	CITATIONS
325	Application axicons in a large-aperture focusing system. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2014, 23, 201-217.	0.4	9
326	Sandwich-typed resonator cavity based on a regular photonic crystal nanobeam. <i>Journal of Physics: Conference Series</i> , 2014, 490, 012167.	0.3	1
327	Study of polarization properties of fiber-optics probes with use of a binary phase plate. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 802.	0.8	23
328	On the possibility of controlling laser ablation by tightly focused femtosecond radiation. <i>Quantum Electronics</i> , 2014, 44, 1061-1065.	0.3	35
329	Coding of an optical signal by a superposition of spheroidal functions for undistorted transmission of information in the lens system. , 2014, , .		7
330	Extended depth of focus through imaging system's phase apodization in coherent and incoherent cases. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2014, 23, 130-139.	0.4	7
331	Shaping of spherical light intensity based on the interference of tightly focused beams with different polarizations. <i>Optics and Laser Technology</i> , 2014, 60, 99-106.	2.2	29
332	Near-field propagation of vortex beams: Models and computation algorithms. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2014, 23, 50-73.	0.4	27
333	Theoretical and experimental study of aperture size effects on the polarization sensitivity of near-field microscopy fiber-optic probes. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
334	Investigation of focusing of the fundamental linearly polarized mode using microrelief on the end of an optical fiber. , 2014, , .		0
335	Diffraction of Bessel laser beams on a birefringent object. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
336	Sharp focusing by means of binary relief at the end of the optical fiber. , 2014, , .		2
337	The calculation of the diffraction of the laser beams with a phase singularity on the micro-axicons with using high-performance computing. <i>Journal of Physics: Conference Series</i> , 2014, 490, 012213.	0.3	20
338	ANALYSIS OF FLAT BEAM DIFFRACTION BY DIVERGENT FRACXICON IN NONPARAXIAL MODE. <i>Computer Optics</i> , 2014, 38, 42-50.	1.3	3
339	EXPERIMENTAL STUDY OF FOCUSING OF INHOMOGENEOUSLY POLARIZED BEAMS GENERATED USING SECTOR POLARIZING PLATES. <i>Computer Optics</i> , 2014, 38, 57-64.	1.3	26
340	THEORETICAL AND AN EXPERIMENTAL RESEARCH OF POLARIZING TRANSFORMATIONS IN UNIAXIAL CRYSTALS FOR GENERATION CYLINDRICAL VECTOR BEAMS OF HIGH ORDERS. <i>Computer Optics</i> , 2014, 38, 171-180.	1.3	8
341	ANALYSIS OF LASER BEAM DIFFRACTION BY AXICON WITH THE NUMERICAL APERTURE ABOVE LIMITING. <i>Computer Optics</i> , 2014, 38, 213-222.	1.3	16
342	FORMATION OF SPIRAL INTENSITY BY BINARY VORTICAL AXICON. <i>Computer Optics</i> , 2014, 38, 237-242.	1.3	2

#	ARTICLE	IF	CITATIONS
343	Simulation of hyperspectrometer on spectral linear variable filters. <i>Computer Optics</i> , 2014, 38, 256-270.	1.3	43
344	Modeling action of a hyperspectrometer based on the offner scheme within geometric optics. <i>Computer Optics</i> , 2014, 38, 271-280.	1.3	45
345	Fracicon as hybrid element between the parabolic lens and the linear axicon. <i>Computer Optics</i> , 2014, 38, 402-411.	1.3	18
346	Formation of images using multilevel diffractive lens. <i>Computer Optics</i> , 2014, 38, 425-434.	1.3	42
348	STUDY OF POLARIZATION TRANSFORMATIONS AND INTERACTION OF ORDINARY AND EXTRAORDINARY BEAMS IN NONPARAXIAL REGIME. <i>Computer Optics</i> , 2014, 38, 598-605.	1.3	10
349	NANOFOCUSING BY SHARP EDGES. <i>Computer Optics</i> , 2014, 38, 629-637.	1.3	6
350	NUMERICAL ANALYSIS OF SUBWAVELENGTH FOCUSING USING A SILICON CYLINDER. <i>Computer Optics</i> , 2014, 38, 638-642.	1.3	6
351	CALCULATION OF DIFFRACTION OF LASER RADIATION BY A TWO-DIMENSIONAL (CYLINDRICAL) AXICON WITH THE HIGH NUMERICAL APERTURE IN VARIOUS MODELS. <i>Computer Optics</i> , 2014, 38, 670-680.	1.3	3
352	STUDY OF THE BROADBAND RADIATION INTENSITY DISTRIBUTION FORMED BY DIFFRACTIVE OPTICAL ELEMENTS. <i>Computer Optics</i> , 2014, 38, 689-694.	1.3	16
353	Simulation of a hyperspectrometer based on linear spectral filters using vector bessel beams. <i>Computer Optics</i> , 2014, 38, 770-776.	1.3	9
354	Formation of light balls on the basis of interference of oncoming fine-focused beams with different polarizations. <i>Vestnik of Samara University: Aerospace and Mechanical Engineering</i> , 2014, , 208.	0.0	0
355	Influence of subwave details of microrelief on the diffraction pattern of gaussian beams. <i>Vestnik of Samara University: Aerospace and Mechanical Engineering</i> , 2014, , 275.	0.0	3
356	Comparative modelling of laser beam propagation in a uniaxial crystal based on integral operators. <i>Vestnik of Samara University: Aerospace and Mechanical Engineering</i> , 2014, , 238.	0.0	1
357	Experimental demonstration of the generation of the longitudinal E_z -field component on the optical axis with high-numerical-aperture binary axicons illuminated by linearly and circularly polarized beams. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 085704.	1.0	62
358	Information transmission using optical vortices. <i>Optical Memory and Neural Networks (Information)</i> 10.1007/s10687-014-0000-0	0.4	30
359	Simple phase optical elements for narrowing of a focal spot in high-numerical-aperture conditions. <i>Optical Engineering</i> , 2013, 52, 091711.	0.5	67
360	Singular phase elements as detectors for different polarizations. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
361	High-aperture binary axicons for the formation of the longitudinal electric field component on the optical axis for linear and circular polarizations of the illuminating beam. Journal of Experimental and Theoretical Physics, 2013, 117, 623-630.	0.2	54
362	An analog of the Rayleigh–Sommerfeld integral for anisotropic and gyrotropic media. Journal of Modern Optics, 2013, 60, 814-822.	0.6	18
363	Engineering the smallest 3D symmetrical bright and dark focal spots. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 2029.	0.8	49
364	Optical rotation of microparticles in hypergeometric beams formed by diffraction optical elements with multilevel microrelief. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2013, 80, 585.	0.2	19
365	Use of photonic crystal cavities for temporal differentiation of optical signals. Optics Letters, 2013, 38, 1149.	1.7	65
366	Strengthening the longitudinal component of the sharply focused electric field by means of higher-order laser beams. Optics Letters, 2013, 38, 3223.	1.7	61
367	Two-component cavity based on a regular photonic crystal nanobeam. Applied Optics, 2013, 52, 5830.	0.9	7
368	Generation and conversion of mode beams and their polarization states on the basis of diffractive optical elements application. Optical Engineering, 2013, 52, 091718.	0.5	8
369	Thin Light Tube Formation by Tightly Focused Azimuthally Polarized Light Beams. , 2013, 2013, 1-6.		5
370	Sharper Focal Spot for a Radially Polarized Beam Using Ring Aperture with Phase Jump. Journal of Engineering (United States), 2013, 2013, 1-8.	0.5	10
371	Calculating the Energy Spectrum of Complex Low-Dimensional Heterostructures in the Electric Field. Scientific World Journal, The, 2013, 2013, 1-7.	0.8	2
372	Minimizing the Bright/Shadow Focal Spot Size with Controlled Side-Lobe Increase in High-Numerical-Aperture Focusing Systems. Advances in Optical Technologies, 2013, 2013, 1-13.	0.8	7
373	ANALYSIS OF THE AXIAL DISTRIBUTION OF A TIGHTLY FOCUSED BEAM WITH DIFFERENT POLARIZATIONS. Computer Optics, 2013, 37, 59-68.	1.3	1
374	EXPERIMENTAL DEMONSTRATION OF GENERATION OF LONGITUDINAL COMPONENT OF THE ELECTRIC FIELD ON THE OPTICAL AXIS BY HIGH-APERTURE BINARY AXICON FOR LINEAR AND CIRCULAR POLARIZATION OF THE INCIDENT BEAM. Computer Optics, 2013, 37, 76-87.	1.3	16
375	DIFFRACTION OF LASER BEAM ON A TWO-ZONE CYLINDRICAL MICROELEMENT. Computer Optics, 2013, 37, 160-169.	1.3	12
376	DESIGN LENSES FORMING PARAXIAL LONGITUDINAL DISTRIBUTION ACCORDING TO THEIR SPATIAL SPECTRA. Computer Optics, 2013, 37, 193-202.	1.3	2
377	FEATURES OF NONPARAXIAL PROPAGATION OF GAUSSIAN AND BESSEL BEAMS ALONG THE AXIS OF THE CRYSTAL. Computer Optics, 2013, 37, 297-306.	1.3	24
378	Generalized lens: calculation of distribution on the optical axis. Computer Optics, 2013, 37, 307-315.	1.3	22

#	ARTICLE	IF	CITATIONS
379	Mathematical model of completely optical system for detection of mode propagation parameters in an optical fiber with few-mode operation for adaptive compensation of mode coupling. <i>Computer Optics</i> , 2013, 37, 352-359.	1.3	36
380	DIFFRACTION OF A GAUSSIAN BEAM ON THE GENERALIZED LENS. <i>Computer Optics</i> , 2013, 37, 443-450.	1.3	3
381	STUDY OF SUBWAVELENGTH LOCALIZATION OF A RADIATION BY FORMING CLOSELY SPACED SINGULAR LINES USING OF SUBWAVELENGTH FEATURES OF THE DIELECTRIC MICRO-RELIEF. <i>Computer Optics</i> , 2013, 37, 426-430.	1.3	1
382	Diffraction at binary microaxicons in the near field. <i>Journal of Optical Technology (A Translation of Opticheskiy Zhurnal)</i> , 2012, 29, 1470.	0.2	42
383	How low can STED go? Comparison of different write-erase beam combinations for stimulated emission depletion microscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 2242.	0.8	49
384	Enlightening darkness to diffraction limit and beyond: comparison and optimization of different polarizations for dark spot generation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 1470.	0.8	48
385	Diffraction optical elements for the formation of "light bottle" intensity distributions. <i>Applied Optics</i> , 2012, 51, 4215.	0.9	27
386	Polarization converter for higher-order laser beams using a single binary diffractive optical element as beam splitter. <i>Optics Letters</i> , 2012, 37, 2385.	1.7	42
387	Calculating the complex transmission function of refractive axicons. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2012, 21, 133-144.	0.4	23
388	Optical Vortices in a Fiber: Mode Division Multiplexing and Multimode Self-Imaging. , 2012, , .		34
389	Analyzing the Symmetry Properties of a Distribution in the Focal Plane for a Focusing Element with Periodic Angle Dependence of Phase. <i>Advances in Optical Technologies</i> , 2012, 2012, 1-7.	0.8	5
390	Narrowing of a light spot at diffraction of linearly-polarized beam on binary asymmetric axicons. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2012, 21, 17-26.	0.4	41
391	Generating inhomogeneously polarized higher-order laser beams by use of diffractive optical elements. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 2115.	0.8	33
392	The lensacon: nonparaxial effects. <i>Journal of Optical Technology (A Translation of Opticheskiy Zhurnal)</i> , 2011, 28, 4263-4271.	0.2	63
393	Optimization of focusing of linearly polarized light. <i>Optics Letters</i> , 2011, 36, 352.	1.7	53
394	Specular and vortical Airy beams. <i>Optics Communications</i> , 2011, 284, 4263-4271.	1.0	62
395	Application of the direct search in solving a problem of forming longitudinal distribution of intensity. <i>Journal of Modern Optics</i> , 2011, 58, 69-76.	0.6	17
396	Influence of vortex transmission phase function on intensity distribution in the focal area of high-aperture focusing system. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2011, 20, 23-42.	0.4	55

#	ARTICLE	IF	CITATIONS
397	Reduction of the focal spot size in high-aperture focusing systems at inserting of aberrations. Optical Memory and Neural Networks (Information Optics), 2011, 20, 155-167.	0.4	6
398	Vortex phase transmission function as a factor to reduce the focal spot of high-aperture focusing system. Journal of Modern Optics, 2011, 58, 748-760.	0.6	78
399	Analysis of wave aberration influence on reducing focal spot size in a high-aperture focusing system. Journal of Optics (United Kingdom), 2011, 13, 095702.	1.0	41
400	Stochastic optimization of radial DOE forming intensity distribution along an axial focal zone. Proceedings of SPIE, 2010, , .	0.8	5
401	Harnessing the guided-mode resonance to design nanooptical transmission spectral filters. Optical Memory and Neural Networks (Information Optics), 2010, 19, 318-324.	0.4	24
402	Grating-based optical scheme for the universal generation of inhomogeneously polarized laser beams. Applied Optics, 2010, 49, 1734.	2.1	32
403	Controlling the contribution of the electric field components to the focus of a high-aperture lens using binary phase structures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2188.	0.8	68
404	Encoded binary diffractive element to form hyper-geometric laser beams. Journal of Optics, 2009, 11, 065702.	1.5	56
405	Propagation of laser vortex beams in a parabolic optical fiber. Proceedings of SPIE, 2009, , .	0.8	27
406	DOE-based optical scheme for the universal generation and conversion of inhomogeneously polarized laser beams. , 2009, , .		1
407	Rotation of spherical microobjects in the hyper-geometric beams. Optical Memory and Neural Networks (Information Optics), 2008, 17, 173-182.	0.4	0
408	Generating hypergeometric laser beams with a diffractive optical element. Applied Optics, 2008, 47, 6124.	2.1	42
409	Fibre sensors based on transverse mode selection. Journal of Modern Optics, 2007, 54, 833-844.	0.6	61
410	<title>Information technology of remotely sensed optical image analysis on the basis of multiscale conceptions integration</title>. , 2007, , .		1
411	Hypergeometric modes. Optics Letters, 2007, 32, 742.	1.7	116
412	Simple optical vortices formed by a spiral phase plate. Journal of Optical Technology (A Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	34
413	Design and investigation of color separation diffraction gratings. Applied Optics, 2007, 46, 2825.	2.1	35
414	Rotation of laser beams with zero of the orbital angular momentum. Optics Communications, 2007, 274, 8-14.	1.0	70

#	ARTICLE	IF	CITATIONS
415	Micromanipulation in higher-order Bessel beams. Optical Memory and Neural Networks (Information) Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	8
416	Self-reproduction of multimode laser fields in weakly guiding stepped-index fibers. Optical Memory and Neural Networks (Information Optics), 2007, 16, 167-177.	0.4	9
417	Experimental excitation and detection of angular harmonics in a step-index optical fiber. Optical Memory and Neural Networks (Information Optics), 2007, 16, 295-300.	0.4	22
418	Diffraction of a plane, finite-radius wave by a spiral phase plate. Optics Letters, 2006, 31, 1597.	1.7	88
419	Elliptic Laguerre-Gaussian beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 43.	0.8	82
420	How the tilt of a phase diffraction optical element affects the properties of shaped laser beams matched with a basis of angular harmonics. Journal of Optical Technology (A Translation of) Tj ETQq0 0 0 rgBT /Overlo	0.4	537
421	Diffraction of conic and Gaussian beams by a spiral phase plate. Applied Optics, 2006, 45, 2656.	2.1	48
422	Optical micromanipulation using DOEs matched with optical vortices. , 2006, 6187, 408.		7
423	<title>Remarkable laser beams formed by computer-generated optical elements: properties and applications</title>. , 2006, 6252, 285.		2
424	<title>High-effective fiber sensors based on transversal mode selection</title>. , 2005, 5854, 163.		7
425	DOE for optical micromanipulation. , 2005, , .		3
426	Analysis of angular harmonics-containing laser beam regeneration after an obstacle. , 2005, , .		0
427	Analysis of angular harmonics-containing laser beams regeneration after an obstacle. , 2005, 5772, 42.		0
428	<title>Transverse mode multiplexing by diffractive optical elements</title>. , 2005, , .		13
429	DOE-generated laser beams with given orbital angular moment: application for micromanipulation. , 2005, , .		11
430	Generation of phase singularity through diffracting a plane or Gaussian beam by a spiral phase plate. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 849.	0.8	278
431	Using phase diffraction optical elements to shape and select laser beams consisting of a superposition of an arbitrary number of angular harmonics. Journal of Optical Technology (A Translation of) Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	10
432	Rotating micro-objects using a DOE-generated laser Bessel beam. , 2004, , .		5

#	ARTICLE	IF	CITATIONS
433	Astigmatic bessel laser beams. Journal of Modern Optics, 2004, 51, 677-686.	0.6	52
434	Generation and selection of laser beams represented by a superposition of two angular harmonics. Journal of Modern Optics, 2004, 51, 761-773.	0.6	62
435	Rotation of microparticles with Bessel beams generated by diffractive elements. Journal of Modern Optics, 2004, 51, 2167-2184.	0.6	64
436	How processing errors and broadening of the emission line of a laser affect the operating quality of diffractive optical elements. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2004, 71, 469.	0.2	2
437	A method of calculating the diffraction and refraction of radiation at a dielectric cylinder. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2004, 71, 472.	0.2	0
438	Phase diffractive filter to analyze an output step-index fiber beam. , 2004, 5182, 251.		4
439	Generation and selection of laser beams represented by a superposition of two angular harmonics. Journal of Modern Optics, 2004, 51, 761-773.	0.6	1
440	Rotation of microparticles with Bessel beams generated by diffractive elements. Journal of Modern Optics, 2004, 51, 2167-2184.	0.6	14
441	Optodigital system for identifying fingerprints in real time. Journal of Optical Technology (A) Tj ETQq1 1 0.784314 rBT /Overclock 10	0.2	3
442	Techniques for encoding composite diffractive optical elements. , 2003, , .		16
443	Micro-object manipulation by laser beams with nonzero orbital momentum. , 2003, 5129, 140.		2
444	Generating Gaussian beams using energy-efficient phase DOEs. , 2003, 5067, 7.		0
445	<title>Measuring geometric parameters using image processing and diffractive optics methods</title>. , 2002, , .		4
446	<title>Design of multichannel phase spatial filter for selection of Gauss-Laguerre laser modes</title>. , 2002, 4705, 30.		4
447	An analysis of the angular momentum of a light field in terms of angular harmonics. Journal of Modern Optics, 2001, 48, 1543-1557.	0.6	95
448	<title>Selection of angular harmonics by the use of diffractive optical elements</title>. , 2001, 4403, 271.		0
449	Gauss-Laguerre modes with different indices in prescribed diffraction orders of a diffractive phase element. Optics Communications, 2000, 175, 301-308.	1.0	71
450	Binary diffraction optical element focusing a Gaussian beam to a longitudinal segment. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 89, 318-323.	0.2	10

#	ARTICLE	IF	CITATIONS
451	Levelling the focal spot intensity of the focused gaussian beam. Journal of Modern Optics, 2000, 47, 883-904.	0.6	12
452	Generation of Gauss-Hermite modes using binary DOEs. , 1999, 4016, 234.		11
453	Self-reproduction of multimode hermite-gaussian beams. Technical Physics Letters, 1999, 25, 489-491.	0.2	20
454	Generation of rotating gaussâ€”Laguerre modes with binary-phase diffractive optics. Journal of Modern Optics, 1999, 46, 227-238.	0.6	52
455	Rotation of multimodal Gaussâ€”Laguerre light beams in free space and in a fiber. Optics and Lasers in Engineering, 1998, 29, 343-350.	2.0	22
456	Rotating optical fields. Journal of Modern Optics, 1998, 45, 2355-2369.	0.6	55
457	Rotating optical fields: experimental demonstration with diffractive optics. Journal of Modern Optics, 1998, 45, 2355-2369.	0.6	22
458	Light field decomposition in angular harmonics by means of diffractive optics. Journal of Modern Optics, 1998, 45, 1495-1506.	0.6	68
459	Diffractive optical element for Zernike decomposition. , 1998, , .		14
460	<title>Image recognition using a directional field technique</title>. , 1998, 3346, 238.		2
461	Method for design of DOE for the generation of contour images. , 1998, , .		3
462	Decomposition of a coherent light field using a phase Zernike filter. , 1998, , .		17
463	Light field decomposition in angular harmonics by means of diffractive optics. Journal of Modern Optics, 1998, 45, 1495-1506.	0.6	1
464	An algorithm for the generation of laser beams with longitudinal periodicity: Rotating images. Journal of Modern Optics, 1997, 44, 1409-1416.	0.6	68
465	Rotation of multimode Gauss-Laguerre light beams in free space. Technical Physics Letters, 1997, 23, 657-658.	0.2	31
466	<title>Phase diffractive optical elements for the Hadamard expansion</title>. , 1996, , .		0
467	Iterative calculation of diffractive optical elements focusing into a three-dimensional domain and onto the surface of the body of rotation. Journal of Modern Optics, 1996, 43, 1509-1524.	0.6	30
468	<title>Optical-digital method for detecting distortions of microcrystal structure on a tear crystallogram</title>. , 1995, 2363, 249.		5

#	ARTICLE	IF	CITATIONS
469	<title>Bessel-mode formers</title>. , 1995, 2363, 184.		18
470	Phase optical elements for widening a minimum diffraction spot. Optics and Laser Technology, 1995, 27, 235-240.	2.2	1
471	Algorithm for the Generation of Non-diffracting Bessel Modes. Journal of Modern Optics, 1995, 42, 1231-1239.	0.6	48
472	Focusators into a ring. Optical and Quantum Electronics, 1993, 25, 801-814.	1.5	27
473	Calculation of the Focusators into a Longitudinal Line-segment and Study of a Focal Area. Journal of Modern Optics, 1993, 40, 761-769.	0.6	44
474	The Phase Rotor Filter. Journal of Modern Optics, 1992, 39, 1147-1154.	0.6	294
475	Trochoson. Optics Communications, 1992, 91, 158-162.	1.0	85
476	Phase optical components for the generation of free-space quasimodes. Soviet Journal of Quantum Electronics, 1991, 21, 1278-1281.	0.1	4
477	Optical manipulators based on laser beams with nonzero orbital momentum. , 0, , .		0
478	An algorithm for the generation of laser beams with longitudinal periodicity: Rotating images. , 0, .		4
479	Zernike phase spatial filter for measuring the aberrations of the optical structures of the eye. Journal of Biomedical Photonics and Engineering, 0, , 146-153.	0.4	22