Victor A Soifer

List of Publications by Year
in descending order

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208	5,026	66343	114465
papers	citations	42 h-index	63 g-index

213	213	213	1532
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Phase Rotor Filter. Journal of Modern Optics, 1992, 39, 1147-1154.	1.3	294
2	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.	1.5	278
3	Hypergeometric modes. Optics Letters, 2007, 32, 742.	3.3	116
4	Asymmetric Bessel modes. Optics Letters, 2014, 39, 2395.	3.3	113
5	Vortex beams in turbulent media: review. Computer Optics, 2016, 40, 605-624.	2.2	110
6	Optical computation of the Laplace operator using phase-shifted Bragg grating. Optics Express, 2014, 22, 25084.	3.4	104
7	Spatial differentiation of optical beams using phase-shifted Bragg grating. Optics Letters, 2014, 39, 1278.	3.3	99
8	An analysis of the angular momentum of a light field in terms of angular harmonics. Journal of Modern Optics, 2001, 48, 1543-1557.	1.3	95
9	Diffraction of a plane, finite-radius wave by a spiral phase plate. Optics Letters, 2006, 31, 1597.	3.3	88
10	Trochoson. Optics Communications, 1992, 91, 158-162.	2.1	85
11	Elliptic Laguerre-Gaussian beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 43.	1.5	82
12	First-order optical spatial differentiator based on a guided-mode resonant grating. Optics Express, 2018, 26, 10997.	3.4	78
13	Computer Generated Diffractive Multi-focal Lens. Journal of Modern Optics, 1992, 39, 1245-1251.	1.3	71
14	Gaussâ€“Laguerre modes with different indices in prescribed diffraction orders of a diffractive phase element. Optics Communications, 2000, 175, 301-308.	2.1	71
15	Rotation of laser beams with zero of the orbital angular momentum. Optics Communications, 2007, 274, 8-14.	2.1	70
16	Infra-red radiation focusators. Optics and Lasers in Engineering, 1991, 15, 297-309.	3.8	69
17	An algorithm for the generation of laser beams with longitudinal periodicity: Rotating images. Journal of Modern Optics, 1997, 44, 1409-1416.	1.3	68
18	Light field decomposition in angular harmonics by means of diffractive optics. Journal of Modern Optics, 1998, 45, 1495-1506.	1.3	68

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19	Study of propagation of vortex beams in aerosol optical medium. Applied Optics, 2017, 56, E8.	2.1	68
20	A method of designing diffractive optical elements focusing into plane areas. Journal of Modern Optics, 1996, 43, 1423-1433.	1.3	65
21	Generation of cylindrical vector beams of high orders using uniaxial crystals. Journal of Optics (United Kingdom), 2015, 17, 065001.	2.2	65
22	Rotation of microparticles with Bessel beams generated by diffractive elements. Journal of Modern Optics, 2004, 51, 2167-2184.	1.3	64
23	Generation and selection of laser beams represented by a superposition of two angular harmonics. Journal of Modern Optics, 2004, 51, 761-773.	1.3	62
24	Asymmetric Besselâ€“Gauss beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 1977.	1.5	62
25	Diffraction of a finite-radius plane wave and a Gaussian beam by a helical axicon and a spiral phase plate. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1955.	1.5	61
26	Computer-aided design of diffractive optical elements. Optical Engineering, 1994, 33, 3156.	1.0	60
27	A DOE to form a line-shaped directivity diagram. Journal of Modern Optics, 2004, 51, 1999-2005.	1.3	58
28	Design of diffractive lenses for focusing surface plasmons. Journal of Optics (United Kingdom), 2010, 12, 015001.	2.2	56
29	A method for the diffractive microrelief formation using the layered photoresist growth. Optics and Lasers in Engineering, 1998, 29, 281-288.	3.8	55
30	Rotating optical fields. Journal of Modern Optics, 1998, 45, 2355-2369.	1.3	55
31	Scattering in elements of plasmon optics suppressed by two-layer dielectric structures. Technical Physics Letters, 2011, 37, 1091-1095.	0.7	55
32	Design of DOEs for wavelength division and focusing. Journal of Modern Optics, 2005, 52, 917-926.	1.3	54
33	Investigation of computer-generated diffractive beam shapers for flattening of single-modal CO_2 laser beams. Applied Optics, 1995, 34, 2489.	2.1	52
34	Generation of rotating gaussâ€”Laguerre modes with binary-phase diffractive optics. Journal of Modern Optics, 1999, 46, 227-238.	1.3	52
35	Astigmatic bessel laser beams. Journal of Modern Optics, 2004, 51, 677-686.	1.3	52
36	Temporal differentiation of optical signals using resonant gratings. Optics Letters, 2011, 36, 3509.	3.3	50

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37	Multifocal diffractive elements. Optical Engineering, 1994, 33, 3610.	1.0	48
38	Algorithm for the Generation of Non-diffracting Bessel Modes. Journal of Modern Optics, 1995, 42, 1231-1239.	1.3	48
39	Diffraction of conic and Gaussian beams by a spiral phase plate. Applied Optics, 2006, 45, 2656.	2.1	48
40	Diffractive nanophotonics and advanced information technologies. Herald of the Russian Academy of Sciences, 2014, 84, 9-20.	0.6	48
41	Spatial integration and differentiation of optical beams in a slab waveguide by a dielectric ridge supporting high-Q resonances. Optics Express, 2018, 26, 25156.	3.4	48
42	Synthesis of spatial filters for investigation of the transverse mode composition of coherent radiation. Soviet Journal of Quantum Electronics, 1982, 12, 1208-1209.	0.1	44
43	Calculation of the Focusators into a Longitudinal Line-segment and Study of a Focal Area. Journal of Modern Optics, 1993, 40, 761-769.	1.3	44
44	<title>Software on diffractive optics and computer-generated holograms</title>. , 1995, 2363, 278.		44
45	Silicon diffractive optical elements for high-power monochromatic terahertz radiation. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 189-195.	0.6	42
46	Narrowing of a light spot at diffraction of linearly-polarized beam on binary asymmetric axicons. Optical Memory and Neural Networks (Information Optics), 2012, 21, 17-26.	1.0	41
47	Computer design of diffractive optics. , 2013, , .		41
48	Diamond diffraction optics for CO2lasers. Quantum Electronics, 1999, 29, 9-10.	1.0	39
49	Application of a pseudogeometrical optical approach for calculation of the field formed by a focusator. Optics and Laser Technology, 1996, 28, 297-300.	4.6	35
50	Simple optical vortices formed by a spiral phase plate. Journal of Optical Technology (A Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	34
51	Time-domain differentiation of optical pulses in reflection and in transmission using the same resonant grating. Journal of Optics (United Kingdom), 2013, 15, 105703.	2.2	34
52	Rotation of multimode Gauss-Laguerre light beams in free space. Technical Physics Letters, 1997, 23, 657-658.	0.7	31
53	Photonic crystal lens for coupling two waveguides. Applied Optics, 2009, 48, 3722.	2.1	31
54	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.	1.3	30

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55	Sidelobe contrast reduction for optical vortex beams using a helical axicon. Optics Letters, 2007, 32, 921.	3.3	30
56	Single-resonance diffraction gratings for time-domain pulse transformations: integration of optical signals. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1734.	1.5	30
57	Diffraction-free asymmetric elegant bessel beams with fractional orbital angular momentum. Computer Optics, 2014, 38, 4-10.	2.2	30
58	Tight focusing with a binary microaxicon. Optics Letters, 2011, 36, 3100.	3.3	29
59	Experimental investigation of mode coupling in a multimode graded-index fiber caused by periodic microbends using computer-generated spatial filters. Optics Communications, 1985, 55, 403-405.	2.1	28
60	Spatial phase filters matched to transverse modes. Soviet Journal of Quantum Electronics, 1988, 18, 392-393.	0.1	28
61	Synthesis of a binary DOE focusing into an arbitrary curve, using the electromagnetic approximation. Optics and Lasers in Engineering, 1998, 29, 237-247.	3.8	28
62	Extraordinary magneto-optical effect of a change in the phase of diffraction orders in dielectric diffraction gratings. Journal of Experimental and Theoretical Physics, 2010, 111, 967-974.	0.9	28
63	Planar two-groove optical differentiator in a slab waveguide. Optics Express, 2017, 25, 22328.	3.4	28
64	Focusators into a ring. Optical and Quantum Electronics, 1993, 25, 801-814.	3.3	27
65	Graded photonic quasicrystals. Optics Letters, 2012, 37, 2178.	3.3	27
66	Fabrication of a multilevel THz Fresnel lens by femtosecond laser ablation. Quantum Electronics, 2015, 45, 933-936.	1.0	27
67	Fabrication and characterization of diffractive phase plates for forming high-power terahertz vortex beams using free electron laser radiation. Optical and Quantum Electronics, 2016, 48, 1.	3.3	24
68	Spatial filter investigation of the distribution of power between transverse modes in a fiber waveguide. Soviet Journal of Quantum Electronics, 1984, 14, 1255-1256.	0.1	23
69	Spatial differentiation of Bloch surface wave beams using an on-chip phase-shifted Bragg grating. Journal of Optics (United Kingdom), 2016, 18, 115006.	2.2	23
70	Caustics of Vortex Optical Beams. Doklady Physics, 2019, 64, 276-279.	0.7	23
71	Rotation of multimodal Gaussâ€“Laguerre light beams in free space and in a fiber. Optics and Lasers in Engineering, 1998, 29, 343-350.	3.8	22
72	Rotating optical fields: experimental demonstration with diffractive optics. Journal of Modern Optics, 1998, 45, 2355-2369.	1.3	22

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73	Phase modulation of Bloch surface waves with the use of a diffraction microrelief at the boundary of a one-dimensional photonic crystal. JETP Letters, 2014, 99, 63-66.	1.4	22
74	An Optical Differentiator Based on a Three-Layer Structure with a W-Shaped Refractive Index Profile. Journal of Experimental and Theoretical Physics, 2018, 127, 202-209.	0.9	22
75	On the ability of resonant diffraction gratings to differentiate a pulsed optical signal. Journal of Experimental and Theoretical Physics, 2012, 114, 724-730.	0.9	21
76	An iterative algorithm for designing diffractive optical elements with regularization. Optics and Lasers in Engineering, 1998, 29, 261-268.	3.8	20
77	Self-reproduction of multimode hermite-gaussian beams. Technical Physics Letters, 1999, 25, 489-491.	0.7	20
78	Resonant properties of composite structures consisting of several resonant diffraction gratings. Optics Express, 2019, 27, 25814.	3.4	20
79	Analytical description of 3D optical pulse diffraction by a phase-shifted Bragg grating. Optics Express, 2016, 24, 18828.	3.4	19
80	Decomposition of a coherent light field using a phase Zernike filter. , 1998, , .		17
81	Opticalâ€“digital methods of fingerprint identification. Optics and Lasers in Engineering, 1998, 29, 351-359.	3.8	16
82	Techniques for encoding composite diffractive optical elements. , 2003, , .		16
83	Hankelâ€“Bessel laser beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 741.	1.5	16
84	Spatial differentiation of optical beams using a resonant metal-dielectric-metal structure. Journal of Optics (United Kingdom), 2021, 23, 023501.	2.2	16
85	Coupled-mode theory and Fano resonances in guided-mode resonant gratings: the conical diffraction mounting. Optics Express, 2017, 25, 1151.	3.4	15
86	Comparative analysis of different focusators focusing into a segment. Optics and Laser Technology, 1995, 27, 207-213.	4.6	14
87	Diffractive optical element for Zernike decomposition. , 1998, , .		14
88	Fabrication of High-effective Silicon Diffractive Optics for the Terahertz Range by Femtosecond Laser Ablation. Physics Procedia, 2016, 84, 170-174.	1.2	14
89	Rotation of microparticles with Bessel beams generated by diffractive elements. Journal of Modern Optics, 2004, 51, 2167-2184.	1.3	14
90	Quo vadis. Computer Optics, 2014, 38, 589-589.	2.2	14

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91	‹title›Transverse mode multiplexing by diffractive optical elements‹/title›. , 2005, , .		13
92	Near-wavelength diffraction gratings for surface plasmon polaritons. Optics Letters, 2015, 40, 4935.	3.3	13
93	Superpositions of asymmetrical Bessel beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1046.	1.5	13
94	Devices for focusing laser radiation incident at an angle. Soviet Journal of Quantum Electronics, 1984, 14, 108-109.	0.1	12
95	Experimental investigation of a multibeam holographic optical element matched to Gauss-Laguerre modes. Quantum Electronics, 1996, 26, 184-186.	1.0	12
96	Levelling the focal spot intensity of the focused gaussian beam. Journal of Modern Optics, 2000, 47, 883-904.	1.3	12
97	Lensless focusing of hypergeometric laser beams. Journal of Optics (United Kingdom), 2011, 13, 075703.	2.2	12
98	Spatiotemporal optical pulse transformation by a resonant diffraction grating. Journal of Experimental and Theoretical Physics, 2015, 121, 785-792.	0.9	12
99	DOE-generated laser beams with given orbital angular moment: application for micromanipulation. , 2005, , .		11
100	Small Satellites â€œAISTâ€•Constellation - Design, Construction and Program of Scientific and Technological Experiments. Procedia Engineering, 2015, 104, 43-49.	1.2	11
101	Focusators at letters diffraction design. , 1991, , .		10
102	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.	0.6	10
103	Laser shaping of diamond for IR diffractive optical elements. , 2002, , .		10
104	Subwavelength focusing with a Mikaelian planar lens. Optical Memory and Neural Networks (Information Optics), 2010, 19, 273-278.	1.0	10
105	Integration of optical pulses by resonant diffraction gratings. JETP Letters, 2012, 95, 6-9.	1.4	10
106	Transformation of decelerating laser beams into accelerating ones. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	2.2	10
107	Differentiating spaceâ€“time optical signals using resonant nanophotonics structures. Doklady Physics, 2016, 61, 108-111.	0.7	10
108	Computational experiment for computer-generated optical elements. , 1991, , .		9

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109	Mode selection of laser radiation by computer- generated optical elements. Optics and Lasers in Engineering, 1991, 15, 341-356.	3.8	9
110	Wave Fronts Forming By Computer Generated Optical Elements. Proceedings of SPIE, 1990, , .	0.8	8
111	Analytical initial approximation for multiorder binary grating design. Journal of Optics, 1994, 3, 921-930.	0.5	8
112	<title>Generation, superposition, and separation of Gauss-Hermite modes by means of DOEs</title>. , 1998, 3291, 104.		8
113	Micromanipulation in higher-order Bessel beams. Optical Memory and Neural Networks (Information) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	8
114	Diffraction of a Gaussian beam by a logarithmic axicon. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 844.	1.5	8
115	High-damage-threshold antireflection coatings on diamond for CW and pulsed CO₂lasers. Laser Physics Letters, 2018, 15, 036001.	1.4	8
116	Rotating elegant bessel-gaussian beams. Computer Optics, 2014, 38, 162-170.	2.2	8
117	Relief holograms recording on liquid photopolymerizable layers. , 1991, 1238, 253.		7
118	Optical micromanipulation using DOEs matched with optical vorticies. , 2006, 6187, 408.		7
119	Computer-generated optical elements for optical testing. , 1990, , .		6
120	<title>Phase quantization and discretization in diffractive optics</title>. , 1990, 1334, 188.		6
121	Infrared focusators, new optical elements. Infrared Physics, 1991, 32, 435-438.	0.5	6
122	Diffractive micro-optical element with nonpoint response. , 1993, , .		6
123	A gradient method for design of multiorder varied-depth binary diffraction gratings. Optics and Lasers in Engineering, 1998, 29, 249-259.	3.8	6
124	Iterative calculation, manufacture and investigation of DOE forming unimodal complex distribution. Optics and Lasers in Engineering, 1998, 29, 269-279.	3.8	6
125	<title>CVD diamond transmissive diffractive optics for CO<formula><inf><roman>2</roman></inf></formula> lasers</title>. , 1999, 3822, 2.		6
126	<title>Mode multiplexing by diffractive optical elements in optical telecommunication</title>. , 2004, , .		6

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127	Fano Approximation as a Fast and Effective Way for Estimating Resonance Characteristics of Surface Plasmon Structures. Plasmonics, 2021, 16, 1001-1011.	3.4	6
128	Diffraction computation of 'focusator' into longitudinal segment and multifocal lens. , 1993, , .		6
129	Rotor spatial filter for analysis and synthesis of coherent fields. Optics Communications, 1992, 89, 159-163.	2.1	5
130	<title>Optical-digital method for detecting distortions of microcrystal structure on a tear crystallogram</title>. , 1995, 2363, 249.		5
131	Rotating micro-objects using a DOE-generated laser Bessel beam. , 2004, , .		5
132	Diamond diffractive optical elements for infrared laser beam control. , 2004, , .		5
133	Vectorial rotating vortex Hankel laser beams. Journal of Optics (United Kingdom), 2016, 18, 095602.	2.2	5
134	The resolution of optical image edge detection based on Brewster effect. Journal of Physics: Conference Series, 2019, 1368, 022016.	0.4	5
135	Silicon diffractive optical element with piecewise continuous profile to focus high-power terahertz radiation into a square area. Journal of the Optical Society of America B: Optical Physics, 2021, 38, B9.	2.1	5
136	Computer Generated Optical Elements in Wavefront Formation with Intensity Spatial Modulation. Journal of Modern Optics, 1991, 38, 1067-1072.	1.3	4
137	Multifocal and combined diffractive elements. , 1993, 1992, 226.		4
138	<title>Iterative weight-based method for calculating kinoforms</title>. , 1995, 2363, 177.		4
139	<title>Realization of an optical interconnection concept using transversal mode selection</title>. , 2000, 4316, 152.		4
140	<title>Measuring geometric parameters using image processing and diffractive optics methods</title>. , 2002, , .		4
141	Fuzzy direction field method for fringe and tree-like patterns analysis. , 2004, , .		4
142	Synthesis and investigation of diamond diffractive optical elements. , 2006, , .		4
143	Singular phase elements as detectors for different polarizations. , 2013, , .		4
144	The dependence of the image edge detection directivity by Brewster effect on the gradient of inhomogeneities of objects. Journal of Physics: Conference Series, 2019, 1368, 022066.	0.4	4

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145	Brewster effect in the broadband light reflectivity. Journal of Physics: Conference Series, 2020, 1461, 012116.	0.4	4
146	Antireflection coating of diamond elements of power optics for CO₂ lasers. Quantum Electronics, 2018, 48, 1000-1004.	1.0	4
147	An algorithm for the generation of laser beams with longitudinal periodicity: rotating images. Journal of Modern Optics, 1997, 44, 1409-1416.	1.3	4
148	Resonant diffraction gratings for differentiation of optical signals in reflection and transmission. Computer Optics, 2013, 37, 138-145.	2.2	4
149	Optical components for the analysis and formation of the transverse mode composition. Soviet Journal of Quantum Electronics, 1989, 19, 543-549.	0.1	3
150	Computer-generated holographic optical elements on photopolymers. , 1994, 2042, 248.		3
151	Direct 2D calculation of quantized DOEs on the basis of a continuous series approach. Journal of Modern Optics, 1997, 44, 685-695.	1.3	3
152	Calculation of quantized DOEs based on a continuous series approach. , 1998, 3348, 37.		3
153	Laser beam characterization by means of diffractive optical correlation filters. , 2000, , .		3
154	Optodigital system for identifying fingerprints in real time. Journal of Optical Technology (A) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	0.4	3
155	<title>Design of DOEs for multiwavelength demultiplexing and spatial focusing</title>. , 2004, 5485, 98.		3
156	DOE for optical micromanipulation. , 2005, , .		3
157	Novel approach for manufacturing of continuously shaped diffractive optical elements. , 2010, , .		3
158	Near-Field Diffraction from a Binary Microaxicon. Advances in Optical Technologies, 2012, 2012, 1-11.	0.8	3
159	HOME ABOUT LOGIN REGISTER CATEGORIES SEARCH CURRENT ARCHIVES ANNOUNCEMENTS ÐŸÐÐ'Ð˜Ð›Ð•Ð"Ð¸Ð¯ ÐÐ'Ð¢ÐžÐžÐžÐ AUTHORS. Computer Optics, 2015, 39, 299-304.	2.2	3
160	<title>Mode-selective fiber sensors operating with computer-generated optical elements</title>. , 1991, , .		2
161	<title>Diffraction investigation of focusators into straight-line segment</title>. , 1993, , .		2
162	<title>Calculation of the field formed by a focusator illuminated by Gaussian-Hermite beams</title>. , 1995, , .		2

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163	<title>Forming of selected unimodal complex amplitude distributions by means of novel DOEs of MODAN type</title>. , 1997, , .		2
164	<title>Image recognition using a directional field technique</title>. , 1998, 3346, 238.		2
165	Excimer laser micromachining for fabrication of diamond diffractive optical elements. , 2000, , .		2
166	Synthesis of diamond diffractive optical elements for IR laser beam focusing. , 2005, , .		2
167	<title>Remarkable laser beams formed by computer-generated optical elements: properties and applications</title>. , 2006, 6252, 285.		2
168	Analysis of the resonance characteristics of surface plasmon polariton modes at air-metal interfaces in the ultraviolet, visible and infrared regions. Journal of Physics: Conference Series, 2019, 1368, 022062.	0.4	2
169	A DOE to form a line-shaped directivity diagram. Journal of Modern Optics, 2004, 51, 1999-2005.	1.3	2
170	<title>New measurement techniques for modal power distribution in fibers</title>. , 1991, , .		1
171	Special issue on computer optics in the USSR. Optics and Lasers in Engineering, 1991, 15, 293-295.	3.8	1
172	Phase optical elements for widening a minimum diffraction spot. Optics and Laser Technology, 1995, 27, 235-240.	4.6	1
173	Iterative calculation, manufacture, and investigation of DOE forming unimodal complex amplitude distributions. , 1997, 3110, 741.		1
174	Iterative calculation and technological realization of DOE laser-beam focusing into nonaxial radially symmetrical domains. , 1998, , .		1
175	Design of multiorder diffraction gratings using the Rayleigh method. , 1998, 3348, 13.		1
176	Invariant laser beams: fundamental properties and their investigation by computer simulation and optical experiment. , 1999, 3737, 509.		1
177	<title>Designing DOEs for real-time analysis of beam mode content</title>. , 2000, , .		1
178	Diffractive microrelief design for waveguiding beam control. , 2004, 5456, 108.		1
179	Design of on-fiber diffractive microrelief for efficient graded-index fiber mode excitation. Optical Memory and Neural Networks (Information Optics), 2007, 16, 159-166.	1.0	1
180	Designing diffraction optical elements for the focusing of plasmon modes. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2010, 77, 459.	0.4	1

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181	Design, testing and operation of «AIST» small satellites. , 2015, , .		1
182	Generation and selection of laser beams represented by a superposition of two angular harmonics. Journal of Modern Optics, 2004, 51, 761-773.	1.3	1
183	Light field decomposition in angular harmonics by means of diffractive optics. Journal of Modern Optics, 1998, 45, 1495-1506.	1.3	1
184	Special diffractive lenses. , 1993, , .		1
185	Automatic experimental evaluation of primary pressure transducer characteristics. Measurement Techniques, 1978, 21, 764-765.	0.6	0
186	Optical-digital methods of analysis of microparticles ensemble by IT spatial spectrum. , 1990, 1319, 652.		0
187	Equations for recovery of the phase of an electromagnetic field. Radiophysics and Quantum Electronics, 1990, 33, 599-602.	0.5	0
188	Computer-generated optical elements for fiber's mode selection and launching. , 1991, , .		0
189	Digital-optical Methods of Microparticle Ensemble Analysis by Its Spatial Spectrum. Journal of Modern Optics, 1992, 39, 1123-1136.	1.3	0
190	Recurrent retrieval of the coherent light field phase. International Journal of Imaging Systems and Technology, 1992, 4, 37-41.	4.1	0
191	Fast calculation of large-dimensional focusators. Journal of Optics, 1994, 3, 37-44.	0.5	0
192	<title>Phase diffractive optical elements calculation using a generalized projections method</title>. , 1995, , .		0
193	<title>Investigation of computer-generated diffractive beam shapers for diverse tasks of laser beam transformation</title>. , 1995, , .		0
194	<title>Hybrid method for calculating diffractive optical elements (DOEs) focusing into radial focal domain</title>. , 1995, , .		0
195	NaturalÎ±-radioactivity due to226Ra in sea water in the Ussruiysk Zaliv. Atomic Energy, 1995, 78, 144-146.	0.4	0
196	<title>Phase diffractive optical elements for the Hadamard expansion</title>. , 1996, , .		0
197	Gradient method for the design of multiorder diffraction gratings using the Rayleigh method. , 1997, , .		0
198	<title>Finger-print recognition using Hadamard-expanded partial images</title>. , 1997, , .		0

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199	Phase retrieval using the direction field and frequency field of an interferogram. , 1998, 3348, 290.		0
200	<title>Modeling electromagnetic wave propagation using difference solutions to Maxwell's equations</title>. , 2000, 4002, 143.		0
201	<title>Selection of angular harmonics by the use of diffractive optical elements</title>. , 2001, 4403, 271.		0
202	Diamond DOEs for focusing IR laser beams into pregiven focal domains. , 2004, 5182, 222.		0
203	Investigation of multimode dispersionless beams. , 2004, , .		0
204	Search for biosynthetic precursors of A-factor group regulators, endogenous regulators of development of actinomycetes. Microbiology, 2008, 77, 639-641.	1.2	0
205	Three-dimensional simulation of a nanophotonics device with use of fullwave software. Optical Memory and Neural Networks (Information Optics), 2009, 18, 85-92.	1.0	0
206	Diffraction techniques for transformation of FEL beams* : Experiments at terahertz Novosibirsk free electron laser facility. , 2018, , .		0
207	Scientific and educational practice-oriented complex for training specialists in end-to-end technologies of space remote sensing of the Earth. SHS Web of Conferences, 2022, 137, 01026.	0.2	0
208	Astigmatic Bessel laser beams. Journal of Modern Optics, 2004, 51, 677-686.	1.3	0