Victor A Soifer

List of Publications by Year
in descending order

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	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
2	Spatial differentiation of optical beams using a resonant metal-dielectric-metal structure. Journal of Optics (United Kingdom), 2021, 23, 023501.	2.2	16
3	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
4	Fano Approximation as a Fast and Effective Way for Estimating Resonance Characteristics of Surface Plasmon Structures. Plasmonics, 2021, 16, 1001-1011.	3.4	6
5	Brewster effect in the broadband light reflectivity. Journal of Physics: Conference Series, 2020, 1461, 012116.	0.4	4
6	Caustics of Vortex Optical Beams. Doklady Physics, 2019, 64, 276-279.	0.7	23
7	The resolution of optical image edge detection based on Brewster effect. Journal of Physics: Conference Series, 2019, 1368, 022016.	0.4	5
8	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
9	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
10	Resonant properties of composite structures consisting of several resonant diffraction gratings. Optics Express, 2019, 27, 25814.	3.4	20
11	High-damage-threshold antireflection coatings on diamond for CW and pulsed CO₂lasers. Laser Physics Letters, 2018, 15, 036001.	1.4	8
12	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
13	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
14	First-order optical spatial differentiator based on a guided-mode resonant grating. Optics Express, 2018, 26, 10997.	3.4	78
15	Diffraction techniques for transformation of FEL beams* : Experiments at terahertz Novosibirsk free electron laser facility. , 2018, , .		0
16	Antireflection coating of diamond elements of power optics for CO₂ lasers. Quantum Electronics, 2018, 48, 1000-1004.	1.0	4
17	Coupled-mode theory and Fano resonances in guided-mode resonant gratings: the conical diffraction mounting. Optics Express, 2017, 25, 1151.	3.4	15
18	Planar two-groove optical differentiator in a slab waveguide. Optics Express, 2017, 25, 22328.	3.4	28

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19	Study of propagation of vortex beams in aerosol optical medium. Applied Optics, 2017, 56, E8.	2.1	68
20	Fabrication of High-effective Silicon Diffractive Optics for the Terahertz Range by Femtosecond Laser Ablation. Physics Procedia, 2016, 84, 170-174.	1.2	14
21	Analytical description of 3D optical pulse diffraction by a phase-shifted Bragg grating. Optics Express, 2016, 24, 18828.	3.4	19
22	Vectorial rotating vortex Hankel laser beams. Journal of Optics (United Kingdom), 2016, 18, 095602.	2.2	5
23	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
24	Differentiating spaceâ€“time optical signals using resonant nanophotonics structures. Doklady Physics, 2016, 61, 108-111.	0.7	10
25	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
26	Vortex beams in turbulent media: review. Computer Optics, 2016, 40, 605-624.	2.2	110
27	Fabrication of a multilevel THz Fresnel lens by femtosecond laser ablation. Quantum Electronics, 2015, 45, 933-936.	1.0	27
28	Spatiotemporal optical pulse transformation by a resonant diffraction grating. Journal of Experimental and Theoretical Physics, 2015, 121, 785-792.	0.9	12
29	Small Satellites â€œAISTâ€•Constellation - Design, Construction and Program of Scientific and Technological Experiments. Procedia Engineering, 2015, 104, 43-49.	1.2	11
30	Near-wavelength diffraction gratings for surface plasmon polaritons. Optics Letters, 2015, 40, 4935.	3.3	13
31	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
32	Generation of cylindrical vector beams of high orders using uniaxial crystals. Journal of Optics (United Kingdom), 2015, 17, 065001.	2.2	65
33	Design, testing and operation of «AIST» small satellites. , 2015, , .		1
34	HOME ABOUT LOGIN REGISTER CATEGORIES SEARCH CURRENT ARCHIVES ANNOUNCEMENTS ÐŸÐÐ'Ð˜Ð›Ð•Ð"Ð¸Ð¯ ÐÐ'Ð¢ÐžÐÐžÐ' AUTHORS. Computer Optics, 2015, 39, 299-304.	2.2	3
35	Optical computation of the Laplace operator using phase-shifted Bragg grating. Optics Express, 2014, 22, 25084.	3.4	104
36	Asymmetric Bessel modes. Optics Letters, 2014, 39, 2395.	3.3	113

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37	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
38	Spatial differentiation of optical beams using phase-shifted Bragg grating. Optics Letters, 2014, 39, 1278.	3.3	99
39	Transformation of decelerating laser beams into accelerating ones. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	10
40	Diffractive nanophotonics and advanced information technologies. Herald of the Russian Academy of Sciences, 2014, 84, 9-20.	0.6	48
41	Asymmetric Besselâ€“Gauss beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 1977.	1.5	62
42	Diffraction-free asymmetric elegant bessel beams with fractional orbital angular momentum. Computer Optics, 2014, 38, 4-10.	2.2	30
43	Rotating elegant bessel-gaussian beams. Computer Optics, 2014, 38, 162-170.	2.2	8
44	Quo vadis. Computer Optics, 2014, 38, 589-589.	2.2	14
45	Silicon diffractive optical elements for high-power monochromatic terahertz radiation. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 189-195.	0.6	42
46	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
47	Singular phase elements as detectors for different polarizations. , 2013, , .		4
48	Computer design of diffractive optics. , 2013, , .		41
49	Resonant diffraction gratings for differentiation of optical signals in reflection and transmission. Computer Optics, 2013, 37, 138-145.	2.2	4
50	Graded photonic quasicrystals. Optics Letters, 2012, 37, 2178.	3.3	27
51	Hankelâ€“Bessel laser beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 741.	1.5	16
52	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
53	Near-Field Diffraction from a Binary Microaxicon. Advances in Optical Technologies, 2012, 2012, 1-11.	0.8	3
54	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

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55	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
56	Integration of optical pulses by resonant diffraction gratings. JETP Letters, 2012, 95, 6-9.	1.4	10
57	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
58	Tight focusing with a binary microaxicon. Optics Letters, 2011, 36, 3100.	3.3	29
59	Temporal differentiation of optical signals using resonant gratings. Optics Letters, 2011, 36, 3509.	3.3	50
60	Lensless focusing of hypergeometric laser beams. Journal of Optics (United Kingdom), 2011, 13, 075703.	2.2	12
61	Scattering in elements of plasmon optics suppressed by two-layer dielectric structures. Technical Physics Letters, 2011, 37, 1091-1095.	0.7	55
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	Subwavelength focusing with a Mikaelian planar lens. Optical Memory and Neural Networks (Information Optics), 2010, 19, 273-278.	1.0	10
64	Design of diffractive lenses for focusing surface plasmons. Journal of Optics (United Kingdom), 2010, 12, 015001.	2.2	56
65	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
66	Novel approach for manufacturing of continuously shaped diffractive optical elements. , 2010, , .		3
67	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
68	Photonic crystal lens for coupling two waveguides. Applied Optics, 2009, 48, 3722.	2.1	31
69	Search for biosynthetic precursors of A-factor group regulators, endogenous regulators of development of actinomycetes. Microbiology, 2008, 77, 639-641.	1.2	0
70	Hypergeometric modes. Optics Letters, 2007, 32, 742.	3.3	116
71	Sidelobe contrast reduction for optical vortex beams using a helical axicon. Optics Letters, 2007, 32, 921.	3.3	30
72	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

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73	Simple optical vortices formed by a spiral phase plate. Journal of Optical Technology (A Translation of) Tj ETQq1 1 0.784314 rgBT /Ove	0.4	34
74	Rotation of laser beams with zero of the orbital angular momentum. Optics Communications, 2007, 274, 8-14.	2.1	70
75	Micromanipulation in higher-order Bessel beams. Optical Memory and Neural Networks (Information) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	8
76	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
77	Diffraction of a plane, finite-radius wave by a spiral phase plate. Optics Letters, 2006, 31, 1597.	3.3	88
78	Elliptic Laguerre-Gaussian beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 43.	1.5	82
79	Diffraction of conic and Gaussian beams by a spiral phase plate. Applied Optics, 2006, 45, 2656.	2.1	48
80	Optical micromanipulation using DOEs matched with optical vorticies. , 2006, 6187, 408.		7
81	Synthesis and investigation of diamond diffractive optical elements. , 2006, , .		4
82	<title>Remarkable laser beams formed by computer-generated optical elements: properties and applications</title>. , 2006, 6252, 285.		2
83	DOE for optical micromanipulation. , 2005, , .		3
84	<title>Transverse mode multiplexing by diffractive optical elements</title>. , 2005, , .		13
85	DOE-generated laser beams with given orbital angular moment: application for micromanipulation. , 2005, , .		11
86	Synthesis of diamond diffractive optical elements for IR laser beam focusing. , 2005, , .		2
87	Design of DOEs for wavelength division and focusing. Journal of Modern Optics, 2005, 52, 917-926.	1.3	54
88	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
89	Rotating micro-objects using a DOE-generated laser Bessel beam. , 2004, , .		5
90	Fuzzy direction field method for fringe and tree-like patterns analysis. , 2004, , .		4

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91	Astigmatic bessel laser beams. Journal of Modern Optics, 2004, 51, 677-686.	1.3	52
92	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
93	A DOE to form a line-shaped directivity diagram. Journal of Modern Optics, 2004, 51, 1999-2005.	1.3	58
94	Rotation of microparticles with Bessel beams generated by diffractive elements. Journal of Modern Optics, 2004, 51, 2167-2184.	1.3	64
95	Diffractive microrelief design for waveguiding beam control. , 2004, 5456, 108.		1
96	<title>Mode multiplexing by diffractive optical elements in optical telecommunication</title>. , 2004, , .		6
97	Diamond DOEs for focusing IR laser beams into pregiven focal domains. , 2004, 5182, 222.		0
98	<title>Design of DOEs for multiwavelength demultiplexing and spatial focusing</title>. , 2004, 5485, 98.		3
99	Diamond diffractive optical elements for infrared laser beam control. , 2004, , .		5
100	Investigation of multimode dispersionless beams. , 2004, , .		0
101	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
102	Rotation of microparticles with Bessel beams generated by diffractive elements. Journal of Modern Optics, 2004, 51, 2167-2184.	1.3	14
103	A DOE to form a line-shaped directivity diagram. Journal of Modern Optics, 2004, 51, 1999-2005.	1.3	2
104	Astigmatic Bessel laser beams. Journal of Modern Optics, 2004, 51, 677-686.	1.3	0
105	Optodigital system for identifying fingerprints in real time. Journal of Optical Technology (A) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.4	3
106	Techniques for encoding composite diffractive optical elements. , 2003, , .		16
107	Laser shaping of diamond for IR diffractive optical elements. , 2002, , .		10
108	<title>Measuring geometric parameters using image processing and diffractive optics methods</title>. , 2002, , .		4

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109	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
110	<title>Selection of angular harmonics by the use of diffractive optical elements</title>. , 2001, 4403, 271.		0
111	Laser beam characterization by means of diffractive optical correlation filters. , 2000, , .		3
112	<title>Designing DOEs for real-time analysis of beam mode content</title>. , 2000, , .		1
113	<title>Modeling electromagnetic wave propagation using difference solutions to Maxwell's equations</title>. , 2000, 4002, 143.		0
114	<title>Realization of an optical interconnection concept using transversal mode selection</title>. , 2000, 4316, 152.		4
115	Gaussâ€"Laguerre modes with different indices in prescribed diffraction orders of a diffractive phase element. Optics Communications, 2000, 175, 301-308.	2.1	71
116	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
117	Excimer laser micromachining for fabrication of diamond diffractive optical elements. , 2000, , .		2
118	Levelling the focal spot intensity of the focused gaussian beam. Journal of Modern Optics, 2000, 47, 883-904.	1.3	12
119	Diamond diffraction optics for CO2lasers. Quantum Electronics, 1999, 29, 9-10.	1.0	39
120	Self-reproduction of multimode hermite-gaussian beams. Technical Physics Letters, 1999, 25, 489-491.	0.7	20
121	Generation of rotating gaussâ€"Laguerre modes with binary-phase diffractive optics. Journal of Modern Optics, 1999, 46, 227-238.	1.3	52
122	<title>CVD diamond transmissive diffractive optics for CO<formula><inf><roman>2</roman></inf></formula> lasers</title>. , 1999, 3822, 2.		6
123	Invariant laser beams: fundamental properties and their investigation by computer simulation and optical experiment. , 1999, 3737, 509.		1
124	A gradient method for design of multiorder varied-depth binary diffraction gratings. Optics and Lasers in Engineering, 1998, 29, 249-259.	3.8	6
125	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
126	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

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127	An iterative algorithm for designing diffractive optical elements with regularization. Optics and Lasers in Engineering, 1998, 29, 261-268.	3.8	20
128	Iterative calculation, manufacture and investigation of DOE forming unimodal complex distribution. Optics and Lasers in Engineering, 1998, 29, 269-279.	3.8	6
129	A method for the diffractive microrelief formation using the layered photoresist growth. Optics and Lasers in Engineering, 1998, 29, 281-288.	3.8	55
130	Opticalâ€“digital methods of fingerprint identification. Optics and Lasers in Engineering, 1998, 29, 351-359.	3.8	16
131	Rotating optical fields. Journal of Modern Optics, 1998, 45, 2355-2369.	1.3	55
132	<title>Generation, superposition, and separation of Gauss-Hermite modes by means of DOEs</title>. , 1998, 3291, 104.		8
133	Rotating optical fields: experimental demonstration with diffractive optics. Journal of Modern Optics, 1998, 45, 2355-2369.	1.3	22
134	Light field decomposition in angular harmonics by means of diffractive optics. Journal of Modern Optics, 1998, 45, 1495-1506.	1.3	68
135	Diffractive optical element for Zernike decomposition. , 1998, , .		14
136	Iterative calculation and technological realization of DOE laser-beam focusing into nonaxial radially symmetrical domains. , 1998, , .		1
137	<title>Image recognition using a directional field technique</title>. , 1998, 3346, 238.		2
138	Design of multiorder diffraction gratings using the Rayleigh method. , 1998, 3348, 13.		1
139	Phase retrieval using the direction field and frequency field of an interferogram. , 1998, 3348, 290.		0
140	Decomposition of a coherent light field using a phase Zernike filter. , 1998, , .		17
141	Calculation of quantized DOEs based on a continuous series approach. , 1998, 3348, 37.		3
142	Light field decomposition in angular harmonics by means of diffractive optics. Journal of Modern Optics, 1998, 45, 1495-1506.	1.3	1
143	Gradient method for the design of multiorder diffraction gratings using the Rayleigh method. , 1997, , .		0
144	Iterative calculation, manufacture, and investigation of DOE forming unimodal complex amplitude distributions. , 1997, 3110, 741.		1

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145	<title>Finger-print recognition using Hadamard-expanded partial images</title>. , 1997, , .		0
146	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
147	<title>Forming of selected unimodal complex amplitude distributions by means of novel DOEs of MODAN type</title>. , 1997, , .		2
148	An algorithm for the generation of laser beams with longitudinal periodicity: Rotating images. Journal of Modern Optics, 1997, 44, 1409-1416.	1.3	68
149	Rotation of multimode Gauss-Laguerre light beams in free space. Technical Physics Letters, 1997, 23, 657-658.	0.7	31
150	An algorithm for the generation of laser beams with longitudinal periodicity: rotating images. Journal of Modern Optics, 1997, 44, 1409-1416.	1.3	4
151	<title>Phase diffractive optical elements for the Hadamard expansion</title>. , 1996, , .		0
152	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
153	Experimental investigation of a multibeam holographic optical element matched to Gauss-Laguerre modes. Quantum Electronics, 1996, 26, 184-186.	1.0	12
154	A method of designing diffractive optical elements focusing into plane areas. Journal of Modern Optics, 1996, 43, 1423-1433.	1.3	65
155	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
156	<title>Phase diffractive optical elements calculation using a generalized projections method</title>. , 1995, , .		0
157	<title>Investigation of computer-generated diffractive beam shapers for diverse tasks of laser beam transformation</title>. , 1995, , .		0
158	<title>Optical-digital method for detecting distortions of microcrystal structure on a tear crystallogram</title>. , 1995, 2363, 249.		5
159	<title>Hybrid method for calculating diffractive optical elements (DOEs) focusing into radial focal domain</title>. , 1995, , .		0
160	<title>Calculation of the field formed by a focusator illuminated by Gaussian-Hermite beams</title>. , 1995, , .		2
161	NaturalÎ±-radioactivity due to226Ra in sea water in the Ussruiysk Zaliv. Atomic Energy, 1995, 78, 144-146.	0.4	0
162	Comparative analysis of different focusators focusing into a segment. Optics and Laser Technology, 1995, 27, 207-213.	4.6	14

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163	Phase optical elements for widening a minimum diffraction spot. Optics and Laser Technology, 1995, 27, 235-240.	4.6	1
164	Investigation of computer-generated diffractive beam shapers for flattening of single-modal CO_2 laser beams. Applied Optics, 1995, 34, 2489.	2.1	52
165	<title>Software on diffractive optics and computer-generated holograms</title>. , 1995, 2363, 278.		44
166	<title>Iterative weight-based method for calculating kinoforms</title>. , 1995, 2363, 177.		4
167	Algorithm for the Generation of Non-diffracting Bessel Modes. Journal of Modern Optics, 1995, 42, 1231-1239.	1.3	48
168	Multifocal diffractive elements. Optical Engineering, 1994, 33, 3610.	1.0	48
169	Computer-aided design of diffractive optical elements. Optical Engineering, 1994, 33, 3156.	1.0	60
170	Analytical initial approximation for multiorder binary grating design. Journal of Optics, 1994, 3, 921-930.	0.5	8
171	Fast calculation of large-dimensional focusators. Journal of Optics, 1994, 3, 37-44.	0.5	0
172	Computer-generated holographic optical elements on photopolymers. , 1994, 2042, 248.		3
173	Focusators into a ring. Optical and Quantum Electronics, 1993, 25, 801-814.	3.3	27
174	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
175	Diffractive micro-optical element with nonpoint response. , 1993, , .		6
176	Multifocal and combined diffractive elements. , 1993, 1992, 226.		4
177	<title>Diffraction investigation of focusators into straight-line segment</title>. , 1993, , .		2
178	Diffraction computation of 'focusator' into longitudinal segment and multifocal lens. , 1993, , .		6
179	Special diffractive lenses. , 1993, , .		1
180	Computer Generated Diffractive Multi-focal Lens. Journal of Modern Optics, 1992, 39, 1245-1251.	1.3	71

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181	The Phase Rotor Filter. Journal of Modern Optics, 1992, 39, 1147-1154.	1.3	294
182	Digital-optical Methods of Microparticle Ensemble Analysis by Its Spatial Spectrum. Journal of Modern Optics, 1992, 39, 1123-1136.	1.3	0
183	Rotor spatial filter for analysis and synthesis of coherent fields. Optics Communications, 1992, 89, 159-163.	2.1	5
184	Trochoson. Optics Communications, 1992, 91, 158-162.	2.1	85
185	Recurrent retrieval of the coherent light field phase. International Journal of Imaging Systems and Technology, 1992, 4, 37-41.	4.1	0
186	Computer Generated Optical Elements in Wavefront Formation with Intensity Spatial Modulation. Journal of Modern Optics, 1991, 38, 1067-1072.	1.3	4
187	Computational experiment for computer-generated optical elements. , 1991, , .		9
188	Relief holograms recording on liquid photopolymerizable layers. , 1991, 1238, 253.		7
189	<title>New measurement techniques for modal power distribution in fibers</title>. , 1991, , .		1
190	<title>Mode-selective fiber sensors operating with computer-generated optical elements</title>. , 1991, , .		2
191	Computer-generated optical elements for fiber's mode selection and launching. , 1991, , .		0
192	Focusators at letters diffraction design. , 1991, , .		10
193	Special issue on computer optics in the USSR. Optics and Lasers in Engineering, 1991, 15, 293-295.	3.8	1
194	Infra-red radiation focusators. Optics and Lasers in Engineering, 1991, 15, 297-309.	3.8	69
195	Infrared focusators, new optical elements. Infrared Physics, 1991, 32, 435-438.	0.5	6
196	Mode selection of laser radiation by computer- generated optical elements. Optics and Lasers in Engineering, 1991, 15, 341-356.	3.8	9
197	Computer-generated optical elements for optical testing. , 1990, , .		6
198	Optical-digital methods of analysis of microparticles ensemble by IT spatial spectrum. , 1990, 1319, 652.		0

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199	Wave Fronts Forming By Computer Generated Optical Elements. Proceedings of SPIE, 1990, , .	0.8	8
200	Equations for recovery of the phase of an electromagnetic field. Radiophysics and Quantum Electronics, 1990, 33, 599-602.	0.5	0
201	<title>Phase quantization and discretization in diffractive optics</title>. , 1990, 1334, 188.		6
202	Optical components for the analysis and formation of the transverse mode composition. Soviet Journal of Quantum Electronics, 1989, 19, 543-549.	0.1	3
203	Spatial phase filters matched to transverse modes. Soviet Journal of Quantum Electronics, 1988, 18, 392-393.	0.1	28
204	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
205	Devices for focusing laser radiation incident at an angle. Soviet Journal of Quantum Electronics, 1984, 14, 108-109.	0.1	12
206	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
207	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
208	Automatic experimental evaluation of primary pressure transducer characteristics. Measurement Techniques, 1978, 21, 764-765.	0.6	0