

# Eusebio Bernabeu

## List of Publications by Year in descending order

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207  
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docs citations

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times ranked

1231  
citing authors

#	ARTICLE	IF	CITATIONS
1	Depolarization and Polarization Indices of an Optical System. <i>Optica Acta</i> , 1986, 33, 185-189.	0.7	236
2	A Depolarization Criterion in Mueller Matrices. <i>Optica Acta</i> , 1985, 32, 259-261.	0.7	166
3	Characterization of aberrated laser beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997, 14, 2737.	0.8	76
4	Principal-component characterization of noise for infrared images. <i>Applied Optics</i> , 2002, 41, 320.	2.1	74
5	Fourier transform method for automatic processing of moiré deflectograms. <i>Optical Engineering</i> , 1999, 38, 974.	0.5	69
6	Complex beam parameter and ABCD law for non-Gaussian and nonspherical light beams. <i>Applied Optics</i> , 1992, 31, 6389.	2.1	64
7	Measurement of the degree of salinity of water with a fiber-optic sensor. <i>Applied Optics</i> , 1999, 38, 5267.	2.1	63
8	Analytical expression for the complex radius of curvature tensor Q for generalized gaussian beams. <i>Optics Communications</i> , 1991, 80, 350-352.	1.0	51
9	Generalized grating imaging using an extended monochromatic light source. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 1231.	0.8	49
10	Ellipsometric characterization and influence of relative humidity on TiO <sub>2</sub> layers optical properties. <i>Thin Solid Films</i> , 1999, 349, 212-219.	0.8	42
11	Optical encoder based on the Lau effect. <i>Optical Engineering</i> , 2000, 39, 817.	0.5	42
12	Diffraction of gratings with rough edges. <i>Optics Express</i> , 2008, 16, 19757.	1.7	40
13	Nonlinear propagation and transformation of arbitrary laser beams by means of the generalized ABCD formalism. <i>Applied Optics</i> , 1993, 32, 5885.	2.1	34
14	Talbot effect in metallic gratings under Gaussian illumination. <i>Optics Communications</i> , 2007, 278, 23-27.	1.0	34
15	Local dioptric power matrix in a progressive addition lens. <i>Ophthalmic and Physiological Optics</i> , 1997, 17, 522-529.	1.0	34
16	On the Q(M) depolarization metric. <i>Optics Communications</i> , 2007, 277, 256-258.	1.0	31
17	Talbot effect with rough reflection gratings. <i>Applied Optics</i> , 2007, 46, 3668.	2.1	30
18	On wire-to-plane positive corona discharge. <i>Journal Physics D: Applied Physics</i> , 1994, 27, 2136-2144.	1.3	28

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19	Shift and broadening of hyperfine components of the first doublet of cesium perturbed by foreign gases. <i>Physical Review A</i> , 1980, 22, 2690-2695.	1.0	27
20	Laser beam deflectometry based on a subpixel resolution algorithm. <i>Optical Engineering</i> , 2001, 40, 2517.	0.5	27
21	Transformation of pulsed nonideal beams in a four-dimension domain. <i>Optics Letters</i> , 1993, 18, 669.	1.7	25
22	Geometrical model for wire optical diffraction selected by experimental statistical analysis. <i>Optical Engineering</i> , 1999, 38, 1319.	0.5	25
23	Optimal achromatic wave retarders using two birefringent wave plates. <i>Applied Optics</i> , 2013, 52, 1892.	0.9	23
24	Measurement of mechanical warpage in CR-39 lenses. <i>Ophthalmic and Physiological Optics</i> , 1997, 17, 81-87.	1.0	23
25	Improved phase-shifting method for automatic processing of moiré deflectograms. <i>Applied Optics</i> , 1998, 37, 6227.	2.1	22
26	Deflectometric measurement of mechanical spectacle lens deformation. <i>Ophthalmic and Physiological Optics</i> , 2000, 20, 473-479.	1.0	22
27	Self-imaging of gratings with rough strips. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 2390.	0.8	22
28	High-efficiency light-emitting diode collimator. <i>Optical Engineering</i> , 2010, 49, 123001.	0.5	22
29	Adsorption of water on porous Vycor glass studied by ellipsometry. <i>Applied Optics</i> , 2001, 40, 527.	2.1	21
30	Experimental measurements of generalized grating images. <i>Applied Optics</i> , 2002, 41, 1223.	2.1	21
31	Refractive index of vacuum-evaporated SiO thin films: Dependence on substrate temperature. <i>Thin Solid Films</i> , 1990, 191, 13-19.	0.8	20
32	Optical technique for the automatic detection and measurement of surface defects on thin metallic wires. <i>Applied Optics</i> , 2000, 39, 539.	2.1	20
33	Ideal 3D asymmetric concentrator. <i>Solar Energy</i> , 2009, 83, 113-117.	2.9	20
34	Horizontal daylighting system for office buildings. <i>Energy and Buildings</i> , 2013, 67, 525-530.	3.1	20
35	Tapered optical fiber sensor for chemical pollutants detection in seawater. <i>Measurement Science and Technology</i> , 2017, 28, 045802.	1.4	20
36	An experimental device for the dynamic determination of Mueller matrices. <i>Journal of Optics</i> , 1985, 16, 139-141.	0.3	19

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37	Simultaneous determination of film thickness and refractive index by interferential spectrogoniometry. Optics Communications, 1996, 132, 321-328.	1.0	19
38	Elliptical concentrators. Applied Optics, 2006, 45, 7622.	2.1	19
39	Far field of gratings with rough strips. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 828.	0.8	18
40	Hyperparabolic concentrators. Applied Optics, 2009, 48, 712.	2.1	17
41	Design of superachromatic quarter-wave retarders in a broad spectral range. Applied Optics, 2015, 54, 9758.	2.1	17
42	Simple model of compound waveguide structures used as fiber-optic sensors. Optics and Lasers in Engineering, 2000, 33, 219-230.	2.0	16
43	Q(M) and the depolarization index scalar metrics. Applied Optics, 2008, 47, 1575.	2.1	16
44	Capillary Supply to the Sinus Node in Subjects with Long-Term Atrial Fibrillation. Annals of Thoracic Surgery, 2010, 89, 38-43.	0.7	16
45	Unified and generalized Fresnel numbers. Optical and Quantum Electronics, 1992, 24, 1351-1358.	1.5	15
46	Analysis of nanostructured porous films by measurement of adsorption isotherms with optical fiber and ellipsometry. Applied Optics, 2002, 41, 6692.	2.1	15
47	Water adsorption in porous TiO <sub>2</sub> –SiO <sub>2</sub> sol–gel films analyzed by spectroscopic ellipsometry. Thin Solid Films, 2004, 455-456, 356-360.	0.8	15
48	Grating pseudo-imaging with polychromatic and finite extension sources. Optics Express, 2004, 12, 2529.	1.7	15
49	Self-imaging technique for beam collimation. Optics Letters, 2014, 39, 5764.	1.7	15
50	Magnetic-field sensor using plastic optical fiber and polycrystalline CdMnTe. Sensors and Actuators A: Physical, 1993, 39, 25-28.	2.0	14
51	Reflection optical encoders as three-grating moiré systems. Applied Optics, 2000, 39, 3805.	2.1	14
52	Design of zero reference codes by means of a global optimization method. Optics Express, 2005, 13, 195.	1.7	14
53	Automatic processing in moiré deflectometry by local fringe direction calculation. Applied Optics, 1998, 37, 5894.	2.1	13
54	Design of two-dimensional zero reference codes by means of a global optimization method. Optics Express, 2005, 13, 4230.	1.7	13

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55	Double grating systems with one steel tape grating. <i>Optics Communications</i> , 2008, 281, 5647-5652.	1.0	13
56	On Babinet's principle and a diffraction-interferometric technique to determine the diameter of cylindrical wires. <i>Metrologia</i> , 2001, 38, 125-134.	0.6	12
57	On the standard deviation in charge-coupled device cameras: A variogram-based technique for nonuniform images. <i>Journal of Electronic Imaging</i> , 2002, 11, 121.	0.5	12
58	Self-imaging with curved gratings. <i>Optics Communications</i> , 2010, 283, 3869-3873.	1.0	12
59	Polycrystalline materials for magneto-optical devices. <i>Optics Letters</i> , 1992, 17, 760.	1.7	11
60	Spatial-temporal coupling in grating-pair pulse compression system analysed by matrix optics. <i>Optical and Quantum Electronics</i> , 1995, 27, 679-692.	1.5	11
61	Spatial-temporal coupling in a grating-pair pulse compression system analysed by matrix optics. <i>Optical and Quantum Electronics</i> , 1995, 27, 785-798.	1.5	11
62	Classification of surface structures on fine metallic wires. <i>Applied Surface Science</i> , 2001, 180, 191-199.	3.1	11
63	Optimal design of optical reference signals by use of a genetic algorithm. <i>Optics Letters</i> , 2005, 30, 2724.	1.7	11
64	Design of two-dimensional zero reference codes with a genetic algorithm. <i>Optics Letters</i> , 2006, 31, 1648.	1.7	11
65	Dealing depolarization of light in Mueller matrices with scalar metrics. <i>Optik</i> , 2010, 121, 1058-1068.	1.4	11
66	Collimation method using a double grating system. <i>Applied Optics</i> , 2010, 49, 3363.	2.1	11
67	Fast optical source for quantum key distribution based on semiconductor optical amplifiers. <i>Optics Express</i> , 2011, 19, 3825.	1.7	11
68	Amplitude-modulated and frequency-modulated reticle responses of Gaussian beams. <i>Optical Engineering</i> , 1991, 30, 1986.	0.5	10
69	Quantitative estimation of clear sky light in Madrid. <i>Energy and Buildings</i> , 1997, 26, 331-336.	3.1	10
70	Measurement of surface defects on thin steel wires by atomic force microscopy. <i>Applied Surface Science</i> , 1999, 150, 125-130.	3.1	10
71	Use of steel substrates in diffractive optics: Near field of high surface quality steel tape gratings. <i>Optics and Lasers in Engineering</i> , 2011, 49, 356-360.	2.0	10
72	Pressure effects of helium, neon, and argon on the hyperfine structure of the first doublet of cesium. <i>Journal of the Optical Society of America</i> , 1977, 67, 24.	1.2	9

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73	Fibre-optic weigh-in-motion sensor. <i>Sensors and Actuators A: Physical</i> , 1994, 41, 110-113.	2.0	9
74	Spectrogoniometry and the WANTED method for thickness and refractive index determination. <i>Thin Solid Films</i> , 1998, 313-314, 85-89.	0.8	9
75	The characteristic matrix of a colour detection system. <i>Journal of Optics</i> , 1999, 1, 371-377.	1.5	9
76	A Novel Photoconductive PVK/SiO <sub>2</sub> Interpenetrated Network Prepared by the Sol-gel Process. <i>Journal of Physical Chemistry B</i> , 2003, 107, 110-112.	1.2	9
77	Generation of Optical Reference Signals Robust to Diffractive Effects. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1133-1135.	1.3	9
78	Invariant grating pseudoimaging using polychromatic light and a finite extension source. <i>Applied Optics</i> , 2008, 47, 1470.	2.1	9
79	Diffraction by cylinders illuminated in oblique, off-axis incidence. <i>Optik</i> , 2001, 112, 169-174.	1.4	8
80	Fast Generation of Multiple Collision-Free and Linear Trajectories in Dynamic Environments. <i>IEEE Transactions on Robotics</i> , 2009, 25, 967-975.	7.3	8
81	Relaxation of quadrupole orientation in an optically pumped alkali vapour. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1985, 5, 315-327.	0.4	7
82	Optical bistability: towards all-optical devices. <i>Physica Scripta</i> , 1987, 36, 312-318.	1.2	7
83	Density-sensitive allowed and forbidden dielectronic satellite line profiles in laser-produced plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989, 22, 199-210.	0.6	7
84	Space-time correlation properties of dynamic laser speckle in the near diffraction field of a longitudinally moving diffuse object. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1989, 6, 758.	0.8	7
85	ABCD matrix for weakly apertured Gaussian beams in the far field. <i>Applied Optics</i> , 1991, 30, 1584.	2.1	7
86	Optical characterization of polyethylene films by refractometry. <i>Journal of Materials Science</i> , 1993, 28, 5826-5830.	1.7	7
87	Histogram-based method for contrast measurement. <i>Applied Optics</i> , 2000, 39, 4098.	2.1	7
88	The use of metamers to compare the color vision of observers. <i>Color Research and Application</i> , 2001, 26, 262-269.	0.8	7
89	High performance Feussner-type polarizers based on stretched poly(ethylene-terephthalate) films. <i>Applied Physics Letters</i> , 2002, 80, 1692-1694.	1.5	7
90	Determination of the optimum sampling frequency of noisy images by spatial statistics. <i>Applied Optics</i> , 2005, 44, 3276.	2.1	7

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91	Dual self-image technique for beam collimation. Journal of Optics (United Kingdom), 2016, 18, 075608.	1.0	7
92	Shift of tunable laser modes by effect of intracavity wavelength selectors with short-duration pulses. Journal of the Optical Society of America, 1981, 71, 175.	1.2	6
93	Response of a Fabry-Perot interferometer to temporal and spatial finite pulses. Journal of Optics, 1986, 17, 59-64.	0.3	6
94	Optical properties of polycrystalline Cd <sub>1-x</sub> MnxTe. Journal of Applied Physics, 1993, 74, 3459-3463.	1.1	6
95	Accuracy of the thin metallic wires diameter using Fraunhofer diffraction technique. , 2000, 4099, 255.		6
96	Quasicontinuous pseudoimages in sinusoidal grating imaging using an extended light source. Optics Communications, 2004, 236, 53-58.	1.0	6
97	Uncertainty Estimation by Convolution Using Spatial Statistics. IEEE Transactions on Image Processing, 2006, 15, 3131-3137.	6.0	6
98	Rough Fresnel zone plates over metallic surfaces. Applied Optics, 2010, 49, 1750.	2.1	6
99	Wavefront and amplitude profile for astigmatic beams in semiconductor lasers: analytical and graphical treatment. Journal of Optics, 1988, 19, 201-206.	0.3	5
100	A magneto-optical tachometer for anti-lock braking systems using plastic optical fibre. Measurement Science and Technology, 1994, 5, 607-610.	1.4	5
101	Use of spectrogoniometric and ellipsometric techniques for the determination of optical properties of films of trinitrofluorenone and poly-n-vinylcarbazole. Thin Solid Films, 1995, 263, 206-212.	0.8	5
102	A method for the measurement of the refractive index of dielectric cylinders. Journal of Optics, 1997, 6, 147-152.	0.5	5
103	Optimum design of optical arrays with spatial integration feature. Optical Engineering, 1997, 36, 2872.	0.5	5
104	Planar optical array with a spatial-integration feature. Applied Optics, 1999, 38, 1133.	2.1	5
105	Thermal influences on optical properties of light-emitting diodes: a semiempirical model. Applied Optics, 2001, 40, 533.	2.1	5
106	Variogram-based method for contrast measurement. Applied Optics, 2007, 46, 5027.	2.1	5
107	Louvers design for LED displays for sunny days. Displays, 2007, 28, 167-173.	2.0	5
108	Continuous self-imaging regime with a double-grating mask. Applied Optics, 2009, 48, 5722.	2.1	5

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109	Micromachining of Diffractive Optical Elements Embedded in Bulk Fused Silica by Nanosecond Pulses. Journal of Lightwave Technology, 2011, 29, 850-855.	2.7	5
110	Effect of fill-factor on the Talbot effect of diffraction gratings. Journal of the European Optical Society-Rapid Publications, 0, 6, .	0.9	5
111	Intensity transmitted by a Fabry-Perot etalon with another internal Fabry-Perot interferometer. Applied Optics, 1981, 20, 2117.	2.1	4
112	Generation of multiple orientation in an alkali vapour by intermediate optical pumping. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1985, 6, 261-279.	0.4	4
113	Purely absorptive bistability in double-ring cavities. Physical Review A, 1986, 33, 1836-1841.	1.0	4
114	Spatial evolution of gaussian beams diffracted by radial gratings. Optics Communications, 1993, 98, 323-330.	1.0	4
115	Use of effective focal lengths to describe laser-beam evolution after diffraction in radial gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1993, 10, 1963.	0.8	4
116	Magneto-optical tachometer using plastic optical fibre. Measurement Science and Technology, 1993, 4, 133-135.	1.4	4
117	Transformation matrices for the Muellerâ€™Jones formalism. Optik, 2008, 119, 757-765.	1.4	4
118	Near field diffraction of cylindrical convex gratings. Journal of Optics (United Kingdom), 2015, 17, 035601.	1.0	4
119	On spin relaxation of optically pumped cesium vapour. Optics Communications, 1974, 10, 81-84.	1.0	3
120	ABCD matrix for apertured spherical waves. Applied Optics, 1991, 30, 1585.	2.1	3
121	Recurrence relations of radial integrals for screened Coulomb excitations in plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 1991, 24, 5183-5186.	0.6	3
122	Characterization and sensor applications of polycarbonate optical fibers. Fiber and Integrated Optics, 1993, 12, 257-268.	1.7	3
123	Spatial filtering by holographic optical elements. Optical Engineering, 1994, 33, 991.	0.5	3
124	Evaluation of paracrystallinity in blown polyethylene films by generalized Clausius-Mosotti equation. Polymer Engineering and Science, 1999, 39, 609-616.	1.5	3
125	Modulation transfer function of translucent rough sheets. Applied Optics, 1999, 38, 5429.	2.1	3
126	<title>Laser diffraction wire diameter measurements: correction of diffraction models by interferometric calibration</title>. , 1999, , .		3



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127	<title>Phase extraction methods for analysis of crossed fringe patterns</title>. , 1999, , .		3
128	<title>In-line detection and evaluation of surface defects on thin metallic wires</title>. , 2001, , .		3
129	Comparison between optical techniques and confocal microscopy for defect detection on thin wires. Applied Surface Science, 2004, 238, 375-379.	3.1	3
130	Laser beam profiling with extended-image-range techniques. Optical Engineering, 2005, 44, 023602.	0.5	3
131	Optimal achromatic wave retarders using two birefringent wave plates: reply. Applied Optics, 2013, 52, 7081.	0.9	3
132	Multiple Anticrossings of Magnetic Hyperfine Atomic Sublevels. Spectroscopy Letters, 1979, 12, 609-614.	0.5	2
133	The electronic spectra of square-planar bis-ethylenediamine C-substituted nickel (II) complexes. Spectrochimica Acta Part A: Molecular Spectroscopy, 1980, 36, 345-348.	0.1	2
134	The electronic spectra and structure of the bis-ethylenediamine C-substituted copper(II) complexes. Spectrochimica Acta Part A: Molecular Spectroscopy, 1981, 37, 1083-1086.	0.1	2
135	Stark effect of atomic sodium measured in a hollow cathode plasma by Doppler-free spectroscopy. Journal of Applied Physics, 1984, 56, 1939-1943.	1.1	2
136	Identification of Clostridium difficile by detection of p-cresol in a cooked meat medium. European Journal of Clinical Microbiology and Infectious Diseases, 1985, 4, 438-439.	1.3	2
137	Speedometer device using plastic optical fibre. Measurement Science and Technology, 1992, 3, 233-235.	1.4	2
138	Retroreflective properties of a hemispherical surface. Applied Optics, 1993, 32, 4279.	2.1	2
139	<title>Statistical algorithm to obtain refractive index and thickness from spectrophotometric interference patterns</title>. , 1995, 2208, 77.		2
140	Moment determination of light beams by using polynomial transmittance windows. Optics Communications, 1995, 116, 8-14.	1.0	2
141	A fast method to measure the irradiance response of image processing systems. Measurement Science and Technology, 1995, 6, 181-187.	1.4	2
142	Optical properties of extruded polyethylene thin films related to anisotropy and inhomogeneous microstructure. Polymer Engineering and Science, 1996, 36, 1203-1209.	1.5	2
143	Lineal illuminating system for automatic x-y graphic colorimetric and texture testing. Applied Optics, 1998, 37, 1820.	2.1	2
144	Geometric and thermal design for a new concentrator-collimator lighting system based on LED technology. Metrologia, 2000, 37, 607-610.	0.6	2

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145	Calculation of optical imbalances in ophthalmic lenses using a new algorithm based on the local dioptric power matrix formalism. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 1452.	0.8	2
146	Effect of the refraction index in the diameter estimation of thin metallic wires. , 2005, 5858, 334.		2
147	LED panel displays: manufacturing uncertainties and global color performance. , 2005, 5840, 820.		2
148	Estimation of the standard deviation in three-dimensional microscopy by spatial statistics. Journal of Microscopy, 2005, 218, 193-197.	0.8	2
149	High efficiency 90° elbow for light guides. Proceedings of SPIE, 2008, , .	0.8	2
150	A simple depolarization criterion for light. Optik, 2011, 122, 407-410.	1.4	2
151	Near-field shaping with two binary diffractive optical elements in tandem. Optics Communications, 2013, 297, 182-189.	1.0	2
152	Beacon system based on light-emitting diode sources for runways lighting. Optical Engineering, 2014, 53, 066104.	0.5	2
153	Positioning a focused Gaussian beam inside a refractive cylinder. Optics and Lasers in Engineering, 2014, 55, 53-58.	2.0	2
154	Analytical Treatment of Higher-Order Graphs: A Path Ordinal Method for Solving Graphs. Symmetry, 2017, 9, 288.	1.1	2
155	Analytic approximations to the Fowler-Sung line shape. Applied Optics, 1984, 23, 3373.	2.1	1
156	Detection of quadrupole relaxation in an optically pumped cesium vapour. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1985, 6, 367-379.	0.4	1
157	Density effects on the spectral intensities of dielectronic satellite line in dense plasmas. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1988, 10, 769-784.	0.4	1
158	Ion-microfield-induced effects on the satellite line spectra from laser-produced plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, L309-L313.	0.6	1
159	Gaussian modes changed by apertured resonators analyzed by matrix methods. Optics Communications, 1991, 86, 401-404.	1.0	1
160	Moiré signal distortion caused by phase and amplitude nonuniformities of light beams. Optics Letters, 1992, 17, 305.	1.7	1
161	Automatic optical sensor for thickness control of thin transparent films. Sensors and Actuators A: Physical, 1993, 37-38, 561-564.	2.0	1
162	Three-branch optical fibre interferometer for simultaneous measurement of two physical measurands. Optics Communications, 1994, 110, 55-59.	1.0	1

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163	<title>Throughput vs. the $M^2$ quality factor</title>. , 1998, 3418, 44.		1
164	<title>Wire diameter determination by interferometry and diffraction: the improvement of diffraction models in 3D objects</title>. , 1999, , .		1
165	A New Concentrator-Collimator Lighting System Using LED Technology. Leukos, 2000, 29, 135-140.	0.3	1
166	Diffraction in wide slits with semi-cylindrical edges. Optik, 2002, 113, 57-62.	1.4	1
167	Zero reference signal for displacement measuring systems by use of speckle. Applied Optics, 2003, 42, 6797.	2.1	1
168	Design alternatives for a thin lens spatial integrator array. Optik, 2004, 115, 481-486.	1.4	1
169	Static and dynamic detection of axial surface defects on metallic wires by conical triple laser reflection. Optics and Lasers in Engineering, 2004, 42, 203-218.	2.0	1
170	Detection and measurement of waviness on thin metallic wires. Applied Optics, 2004, 43, 1480.	2.1	1
171	Optical autofocus for high resolution laser photoplotting. , 2005, , .		1
172	Optoelectronic device for the measurement of the absolute linear position in the micrometric displacement range. , 2005, , .		1
173	Analytical model of a double grating system with partial temporal and spatial coherence. , 2005, , .		1
174	ADASY (Active Daylighting System). Proceedings of SPIE, 2009, , .	0.8	1
175	Talbot effect with aberrated beams. , 2009, , .		1
176	Smooth light extraction in lighting optical fibre. , 2011, , .		1
177	Light output losses of prism light guides. , 2012, , .		1
178	Near field of stacked diffraction gratings. Optik, 2013, 124, 5237-5239.	1.4	1
179	Circularly polarized light with high degree of circularity and low azimuthal error sensitivity. Applied Optics, 2014, 53, 3393.	0.9	1
180	Multipole observables in an optically pumped alkali vapour. Annales De Physique, 1985, 10, 1031-1043.	0.2	1

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181	Dependence of the Relaxation Signal of an Optically Pumped Vapor on the Detection Beam Radius: An Experimental Test. <i>Spectroscopy Letters</i> , 1983, 16, 953-959.	0.5	0
182	Effects of partial decoupling of electronic and nuclear spin on the relaxation of an optically pumped alkali vapour. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1985, 5, 305-314.	0.4	0
183	Phase function and intensity distribution of a Lummer-Gehrcke multiinterferometer. <i>Applied Optics</i> , 1986, 25, 3163.	2.1	0
184	Determination of the secondary well in the $62P_{12}$ Cs $\rightarrow$ Xe potential. <i>Journal of Molecular Structure</i> , 1986, 142, 115-118.	1.8	0
185	Emission bands in caesium vapor-noble gas systems by electrodeless capacitive discharges. <i>Journal of Molecular Structure</i> , 1986, 142, 135-138.	1.8	0
186	Continuum-continuum coupling and the pole approximation. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1986, 8, 279-284.	0.4	0
187	Optimal design techniques in molecular spectroscopy: industrial uses. <i>Journal of Molecular Structure</i> , 1986, 141, 249-254.	1.8	0
188	Intensity distribution inside a Lummer-Gehrcke interferometer. <i>Journal of Optics</i> , 1986, 17, 283-288.	0.3	0
189	Confined emission by high-frequency capacitive discharges. <i>Journal Physics D: Applied Physics</i> , 1988, 21, 956-959.	1.3	0
190	<title>Advanced matrix optics and its incidence in laser optics</title>. , 1991, 1397, 595.		0
191	<title>Multimode laser beams behaviour through variable reflectivity mirrors</title>. , 1991, , .		0
192	Matrix representation of multimode beam transformation. , 1991, 1527, 240.		0
193	Ellipsometric study of the oxidation of electron-beam-evaporated a-Ge films. <i>Thin Solid Films</i> , 1991, 203, 327-334.	0.8	0
194	Time-delayed detection in level anticrossing spectroscopy. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1991, 13, 301-309.	0.4	0
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