# Rosario Martinez-Herrero

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 187 papers | 2,508 citations | 185998 28 h-index | 243296 44 g-index |
| 187 all docs | 187 docs citations | 187 times ranked | 549 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | On z-coherence of beams radiated by Schell-model sources with Gaussian profile. Optics Letters, 2022, 47, 2258. | 1.7 | 3 |
| 2 | A class of vectorial pseudo-Schell model sources with structured coherence and polarization. Optics and Laser Technology, 2022, 152, 108079. | 2.2 | 4 |
| 3 | Tailoring on-axis spectral density with circularly coherent light beams. Optics Letters, 2022, 47, 2394. | 1.7 | 5 |
| 4 | Christoffelâ€“Darboux sources. Optics Letters, 2021, 46, 973. | 1.7 | 3 |
| 5 | A New Type of Shape-Invariant Beams with Structured Coherence: Laguerre-Christoffel-Darboux Beams. Photonics, 2021, 8, 134. | 0.9 | 7 |
| 6 | Reproducing Kernel Hilbert spaces for wave optics: tutorial. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 737. | 0.8 | 10 |
| 7 | Efficient calculation of highly focused electromagnetic Schell-model beams. Optics Express, 2021, 29, 26220. | 1.7 | 5 |
| 8 | Experimental estimation of the longitudinal component of a highly focused electromagnetic field. Scientific Reports, 2021, 11, 17992. | 1.6 | 9 |
| 9 | Modal Analysis of Pseudo-Schell Model Sources. Photonics, 2021, 8, 449. | 0.9 | 5 |
| 10 | Propagation features of a class of beams radiated from pseudo-Schell model vectorial sources. EPJ Web of Conferences, 2021, 255, 12012. | 0.1 | 1 |
| 11 | On polarization characteristics of highly focused fields concentrated along the axis. EPJ Web of Conferences, 2021, 255, 12010. | 0.1 | 0 |
| 12 | Synthesis and characterization of non-uniformly totally polarized light beams: tutorial. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 591. | 0.8 | 16 |
| 13 | Besinc Pseudo-Schell Model Sources with Circular Coherence. Applied Sciences (Switzerland), 2019, 9, 2716. | 1.3 | 9 |
| 14 | Parametrical characterization of the induced electric field in materials. Journal of Electromagnetic Waves and Applications, 2019, 33, 1574-1580. | 1.0 | 0 |
| 15 | Partially-coherent spirally-polarized gradual-edge imaging. Optics and Lasers in Engineering, 2019, 112, 53-58. | 2.0 | 4 |
| 16 | Pseudo-Schell model sources. Optics Express, 2019, 27, 3963. | 1.7 | 33 |
| 17 | Modeling axial irradiance distortion in holographic optical needles produced with high numerical aperture lenses. OSA Continuum, 2019, 2, 1539. | 1.8 | 4 |
| 18 | On the behavior of vector light needles using modulation functions with topological charge. , 2019, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Weighted average of the Gouy phase shift for paraxial surface plasmon polaritons packets in lossy media. , 2019, , . | | 0 |
| 20 | Paraxial propagation and kurtosis of fields generated by pseudo-Schell vortex sources. , 2019, , . | | 0 |
| 21 | A proposal for parametrical characterization of induced electric fields in materials. , 2019, , . | | 0 |
| 22 | Synthesis of light needles with tunable length and nearly constant irradiance. Scientific Reports, 2018, 8, 2657. | 1.6 | 15 |
| 23 | Considerations on the design of diffractive optical needles. , 2018, , . | | 0 |
| 24 | Effect of linear polarizers on the behavior of partially coherent and partially polarized highly focused fields. Optics Letters, 2018, 43, 3445. | 1.7 | 5 |
| 25 | Goosâ€"HÃnchen and Imbertâ€"Fedorov shifts: relation with the irradiance moments of a beam. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, 286. | 0.8 | 1 |
| 26 | Partially coherent sources with radial coherence. Optics Letters, 2018, 43, 2376. | 1.7 | 32 |
| 27 | Polarisers in the focal domain: Theoretical model and experimental validation. Scientific Reports, 2017, 7, 42122. | 1.6 | 8 |
| 28 | Effect of linear polarizers on highly focused spirally polarized fields. Optics and Lasers in Engineering, 2017, 98, 176-180. | 2.0 | 3 |
| 29 | Optical encryption in the axial domain using beams with arbitrary polarization. Optics and Lasers in Engineering, 2017, 89, 145-149. | 2.0 | 11 |
| 30 | Polarization measurements in the focal area. , 2017, , . | | 0 |
| 31 | Flat top surface plasmon polariton beams. Optics Letters, 2017, 42, 4143. | 1.7 | 5 |
| 32 | Synthesis of circularly coherent sources. Optics Letters, 2017, 42, 4115. | 1.7 | 25 |
| 33 | Partially coherent sources with circular coherence. Optics Letters, 2017, 42, 1512. | 1.7 | 55 |
| 34 | Partially Coherent Linearly Polarized Sources with Inhomogeneous Azimuth. , 2017, , . | | 0 |
| 35 | On the behavior of linear polarizers on highly focused radially polarized beams. , 2017, , . | | 0 |
| 36 | Goos-HÃnchen shift of Cosine-Gaussian Schell-model beams with rectangular symmetry. , 2017, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Partially polarized pseudo-Schell model sources. , 2017, , . | | 1 |
| 38 | Spatial characterization of superposition of coaxial vortex beams. , 2016, , . | | 1 |
| 39 | Bright focal spot with tunable polarization and shape: A proposal. , 2016, , . | | 0 |
| 40 | Vortex pseudo Schell-model source: A proposal. , 2016, , . | | 1 |
| 41 | Basis for paraxial surface-plasmon-polariton packets. Physical Review A, 2016, 94, . | 1.0 | 4 |
| 42 | Non-uniform polarized beams: Applications to optical encryption. , 2016, , . | | 0 |
| 43 | Optical encryption in the longitudinal domain of focused fields. Optics Express, 2016, 24, 6793. | 1.7 | 24 |
| 44 | Parametric characterization of surface plasmon polaritons at a lossy interface. Optics Express, 2015, 23, 28574. | 1.7 | 10 |
| 45 | Optical encryption using photon-counting polarimetric imaging. Optics Express, 2015, 23, 655. | 1.7 | 78 |
| 46 | Polarization evolution of radially polarized partially coherent vortex fields: role of Gouy phase of Laguerreâ€“Gauss beams. Optics Express, 2015, 23, 5043. | 1.7 | 10 |
| 47 | Synthesis of highly focused fields with circular polarization at any transverse plane. Optics Express, 2014, 22, 6859. | 1.7 | 36 |
| 48 | Experimental implementation of tightly focused beams with unpolarized transversal component at any plane. Optics Express, 2014, 22, 32419. | 1.7 | 8 |
| 49 | Design of highly focused fields that remain unpolarized on axis. Optics Letters, 2014, 39, 6025. | 1.7 | 7 |
| 50 | Behavior of propagating and evanescent components in azimuthally polarized non-paraxial fields. Applied Physics B: Lasers and Optics, 2013, 112, 123-131. | 1.1 | 2 |
| 51 | Overall characterization of the polarization structure of radially polarized partially coherent vortex beams. , 2013, , . | | 0 |
| 52 | Realizable highly focused beams with arbitrary polarization. , 2013, , . | | 0 |
| 53 | Reconfigurable beams with arbitrary polarization and shape distributions at a given plane. Optics Express, 2013, 21, 5432. | 1.7 | 60 |
| 54 | Obtaining circularly polarized highly focused fields: a proposal. , 2013, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Weighted average of the Gouy phase shift and their relation with the irradiance moments of a beam. , 2013, , . | | 0 |
| 56 | On the physical realizability of highly focused electromagnetic field distributions. Optics Letters, 2013, 38, 2065. | 1.7 | 22 |
| 57 | On the propagating and evanescent waves associated to azimuthally-polarized nonparaxial fields. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 58 | Generation of arbitrary spatially variant polarized fields using computer generated holograms. Proceedings of SPIE, 2012, , . | 0.8 | 1 |
| 59 | A digital holography technique for generating beams with arbitrary polarization and shape. , 2012, , . | | 3 |
| 60 | On the longitudinal component of paraxial fields. European Journal of Physics, 2012, 33, 1235-1247. | 0.3 | 18 |
| 61 | Propagation and parametric characterization of the polarization structure of paraxial radially and azimuthally polarized beams. Optics and Laser Technology, 2012, 44, 482-485. | 2.2 | 5 |
| 62 | Polarization description of light fields in terms of meridional and azimuthal vectorial features. Optics and Laser Technology, 2012, 44, 1796-1799. | 2.2 | 1 |
| 63 | Transverse and longitudinal components of the propagating and evanescent waves associated to radially polarized nonparaxial fields. Applied Physics B: Lasers and Optics, 2012, 106, 151-159. | 1.1 | 8 |
| 64 | Intrinsic axes of partially coherent light beams and their invariance through rotationally symmetric ABCD optical systems. Applied Physics B: Lasers and Optics, 2011, 105, 399-403. | 1.1 | 0 |
| 65 | Generalized (two-point) stokes-parameters representation in terms of the radial and azimuthal field components. Optics and Laser Technology, 2011, 43, 1116-1118. | 2.2 | 5 |
| 66 | Overall spatial characterization of nonparaxial radially polarized beams propagating from the focal plane of a high-focusing optical system. Journal of Optics (United Kingdom), 2011, 13, 085702. | 1.0 | 2 |
| 67 | Overall shaping of light beams by means of spiral phase elements. , 2010, , . | | 0 |
| 68 | On the definition of beam width of highly-focused radially-polarized light fields. , 2010, , . | | 1 |
| 69 | On the longitudinal polarization of non-paraxial electromagnetic fields. Applied Physics B: Lasers and Optics, 2010, 99, 579-584. | 1.1 | 7 |
| 70 | Relation between asymmetrical orbital angular momentum andÂirradiance-profile rotation for partially coherent beams. Applied Physics B: Lasers and Optics, 2010, 101, 343-346. | 1.1 | 2 |
| 71 | Stokes-parameters representation in terms of the radial and azimuthal field components: A proposal. Optics and Laser Technology, 2010, 42, 1099-1102. | 2.2 | 9 |
| 72 | On the propagation of random electromagnetic fields with position-independent stochastic behavior. Optics Communications, 2010, 283, 4467-4469. | 1.0 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Angular momentum decomposition of nonparaxial light beams. Optics Express, 2010, 18, 7965. | 1.7 | 13 |
| 74 | Beam width of highly-focused radially-polarized fields. Optics Express, 2010, 18, 20817. | 1.7 | 8 |
| 75 | Overall second-order parametric characterization of light beams propagating through spiral phase elements. Optics Communications, 2009, 282, 473-477. | 1.0 | 11 |
| 76 | Genuine cross-spectral densities and pseudo-modal expansions. Optics Letters, 2009, 34, 1399. | 1.7 | 115 |
| 77 | Elementary-field expansions of genuine cross-spectral density matrices. Optics Letters, 2009, 34, 2303. | 1.7 | 26 |
| 78 | Maximizing Youngâ€™s fringe visibility under unitary transformations for mean-square coherent light. Optics Express, 2009, 17, 603. | 1.7 | 10 |
| 79 | Cross-correlation between spiral modesâ€"and its influence on the overall spatial characteristics of partially coherent beams. Optics Express, 2009, 17, 19857. | 1.7 | 7 |
| 80 | Non-Paraxial Electromagnetic Beams. Springer Series in Optical Sciences, 2009, , 127-179. | 0.5 | 0 |
| 81 | Characterization of Partially Polarized Light Fields. Springer Series in Optical Sciences, 2009, , . | 0.5 | 38 |
| 82 | Representations of the Polarization of Beamlike Fields. Springer Series in Optical Sciences, 2009, , 1-35. | 0.5 | 0 |
| 83 | Polarization and Coherence of Random Electromagnetic Fields. Springer Series in Optical Sciences, 2009, , 93-126. | 0.5 | 0 |
| 84 | Second-Order Overall Characterization of Non-uniformly Polarized Light Beams. Springer Series in Optical Sciences, 2009, , 37-92. | 0.5 | 0 |
| 85 | Global parameters for characterizing the radial and azimuthal polarization content of totally polarized beams. Optics Communications, 2008, 281, 1976-1980. | 1.0 | 36 |
| 86 | Beam quality changes of radially and azimuthally polarized fields propagating through quartic phase plates. Optics Communications, 2008, 281, 756-759. | 1.0 | 7 |
| 87 | On the vectorial structure of non-paraxial radially polarized light fields. Optics Communications, 2008, 281, 3046-3050. | 1.0 | 11 |
| 88 | On the vectorial fields with position-independent stochastic behavior. Optics Letters, 2008, 33, 195. | 1.7 | 8 |
| 89 | Equivalence between optimum Young's fringe visibility and position-independent stochastic behavior of electromagnetic fields. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 1902. | 0.8 | 4 |
| 90 | Evanescent field of vectorial highly non-paraxial beams. Optics Express, 2008, 16, 2845. | 1.7 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Propagation of light fields with radial or azimuthal polarization distribution at a transverse plane. Optics Express, 2008, 16, 9021. | 1.7 | 35 |
| 92 | Maximum visibility under unitary transformations in two-pinhole interference for electromagnetic fields. Optics Letters, 2007, 32, 1471. | 1.7 | 39 |
| 93 | Relation between degrees of coherence for electromagnetic fields. Optics Letters, 2007, 32, 1504. | 1.7 | 31 |
| 94 | Electromagnetic fields that remain totally polarized under propagation. Optics Communications, 2007, 279, 20-22. | 1.0 | 10 |
| 95 | Invariant parameters for characterizing nonuniformly partially polarized beams. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 103, 886-889. | 0.2 | 2 |
| 96 | Structure of the transverse profile of Gaussian-model non-paraxial electromagnetic beams. Journal of Optics, 2006, 8, 524-530. | 1.5 | 7 |
| 97 | On the control of the spatial orientation of the transverse profile of a light beam. Optics Express, 2006, 14, 1086. | 1.7 | 7 |
| 98 | On the spatial orientation of the transverse irradiance profile of partially coherent beams. Optics Express, 2006, 14, 3294. | 1.7 | 10 |
| 99 | Characterization of non-uniformly totally polarized beams. , 2006, 6101, 336. | | 0 |
| 100 | On the characterization of the rotation of the irradiance profile of partially coherent beams. , 2006, , . | | 1 |
| 101 | Overall parameters for the characterization of non-uniformly totally polarized beams. Optics Communications, 2006, 265, 6-10. | 1.0 | 22 |
| 102 | On the polarization of non-paraxial transverse fields. Optics Communications, 2006, 267, 20-23. | 1.0 | 3 |
| 103 | Reply to Comment on â€˜Structure of the transverse profile of Gaussian-model non-paraxial electromagnetic beamsâ€™. Journal of Optics, 2006, 8, 1025-1026. | 1.5 | 0 |
| 104 | Beam-quality optimization of partially polarized fields. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 1442. | 0.8 | 2 |
| 105 | Non-paraxial transverse vector fields closest to non-polarized beams. Journal of Optics, 2004, 6, S64-S66. | 1.5 | 1 |
| 106 | Parametric characterization of the spatial structure of partially coherent and partially polarized beams. Journal of Optics, 2004, 6, S67-S71. | 1.5 | 10 |
| 107 | Spatial width and power-content ratio of hard-edge diffracted beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 388. | 0.8 | 12 |
| 108 | Anisotropic pure-phase plates for quality improvement of partially coherent, partially polarized beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 577. | 0.8 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | General classification of partially polarized partially coherent beams. , 2003, 4932, 637. | | 0 |
| 110 | Vectorial structure of electromagnetic beams: closet field to a polarized Gaussian beam. , 2003, 4829, 1084. | | 0 |
| 111 | Quality improvement of partially coherent and partially polarized beams propagating through anisotropic pure phase plates. , 2003, 4829, 1082. | | 0 |
| 112 | Parametric characterization of the spatial structure of non-uniformly polarized laser beams. Progress in Quantum Electronics, 2002, 26, 65-130. | 3.5 | 71 |
| 113 | Quality improvement of partially polarized beams. Applied Optics, 2001, 40, 6098. | 2.1 | 7 |
| 114 | Vectorial structure of nonparaxial electromagnetic beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 1678. | 0.8 | 88 |
| 115 | Time-resolved spatial profile of TEA CO_2 laser pulses: influence of the gas mixture and intracavity apertures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 1734. | 0.8 | 1 |
| 116 | Beam propagation through uniaxial anisotropic media: global changes in the spatial profile. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 2009. | 0.8 | 16 |
| 117 | Time-resolved spatial structure of TEA CO2 laser pulses. Optical and Quantum Electronics, 2000, 32, 17-30. | 1.5 | 5 |
| 118 | On the measurement of the generalized degree of polarization. Optical and Quantum Electronics, 2000, 32, 1333-1342. | 1.5 | 8 |
| 119 | Degree of polarization of non-uniformly partially polarized beams: a proposal. Optical and Quantum Electronics, 1999, 31, 223-226. | 1.5 | 29 |
| 120 | Beam quality of partially polarized beams propagating through lenslike birefringent elements. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1999, 16, 2666. | 0.8 | 10 |
| 121 | Parametric characterization of non-uniformly polarized beams. Optics Communications, 1998, 149, 230-234. | 1.0 | 49 |
| 122 | Time-varying beam quality factor and mode evolution in TEA CO/sub 2/ laser pulses. IEEE Journal of Quantum Electronics, 1998, 34, 1835-1838. | 1.0 | 15 |
| 123 | Truncation error of the Laguerre-Gauss expansion of axially symmetric beams in terms of second-order intensity moments. Journal of Optics, 1998, 7, 1231-1236. | 0.5 | 2 |
| 124 | Spatial characterization of general partially polarized beams. Optics Letters, 1997, 22, 206. | 1.7 | 37 |
| 125 | On the beam propagation through active media. Optical and Quantum Electronics, 1997, 29, 899-906. | 1.5 | 0 |
| 126 | Spatial characterization of the transversal structure of rotationally symmetric pulsed beams. Optical and Quantum Electronics, 1997, 29, 923-931. | 1.5 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | On the paramtric characterization of the transversal spatial structure of laser pulses. Optics Communications, 1997, 139, 299-305. | 1.0 | 18 |
| 128 | On the fourth-order spatial characterization of laser beams: new invariant parameter through ABCD systems. Optics Communications, 1997, 140, 57-60. | 1.0 | 12 |
| 129 | Propagation of laser beam parameters through pure phase transmittances. Optics Communications, 1996, 129, 161-166. | 1.0 | 1 |
| 130 | Parametric characterization of Gaussian beams propagating through active media. Optical and Quantum Electronics, 1996, 28, 1021. | 1.5 | 8 |
| 131 | Beam quality changes produced by quartic phase transmittances. Optical and Quantum Electronics, 1995, 27, 173-183. | 1.5 | 11 |
| 132 | On the propagation of the kurtosis parameter of general beams. Optics Communications, 1995, 115, 225-232. | 1.0 | 94 |
| 133 | Parametric characterization of coherent, lowest-order Gaussian beams propagating through hard-edged apertures. Optics Letters, 1995, 20, 124. | 1.7 | 75 |
| 134 | Parametric characterization of the phase at the far field. Optics Letters, 1995, 20, 651. | 1.7 | 8 |
| 135 | Time-resolved spatial parametric characterization of pulsed light beams. Optics Letters, 1995, 20, 660. | 1.7 | 28 |
| 136 | Beam-quality changes generated by thermally-induced spherical aberration in laser cavities. IEEE Journal of Quantum Electronics, 1995, 31, 2173-2176. | 1.0 | 25 |
| 137 | Sharpness changes of gaussian beams induced by spherically aberrated lenses. Optics Communications, 1994, 107, 179-183. | 1.0 | 49 |
| 138 | Quality changes of gaussian beams propagating through axicons. Optics Communications, 1994, 105, 289-291. | 1.0 | 3 |
| 139 | Quality improvement of symmetric-intensity beams propagating through pure phase plates. Optics Communications, 1993, 95, 18-20. | 1.0 | 13 |
| 140 | On the different definitions of laser beam moments. Optical and Quantum Electronics, 1993, 25, 423-428. | 1.5 | 32 |
| 141 | Beam quality changes in Hermiteâ€“Gauss mode fields propagating through Gaussian apertures. Applied Optics, 1993, 32, 1084. | 2.1 | 5 |
| 142 | Second-order spatial characterization of hard-edge diffracted beams. Optics Letters, 1993, 18, 1669. | 1.7 | 117 |
| 143 | <title>Parametric characterization of depleted-center-intensity beams</title>. , 1993, , . | | 1 |
| 144 | <title>Quality changes of beams propagating through super-Gaussian apertures</title>. , 1993, , . | | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Beam Quality Dependence on the Coherence Length of Gaussian Schell-model fields Propagating Through ABCD Optical Systems. Journal of Modern Optics, 1992, 39, 625-635. | 0.6 | 28 |
| 146 | Linear Gaussian intensity distributions synthesized by reflection on elliptic cylinders: a proposal. Applied Optics, 1992, 31, 2970. | 2.1 | 1 |
| 147 | Beam quality changes of Gaussian Schell-model fields propagating through Gaussian apertures. Applied Optics, 1992, 31, 4330. | 2.1 | 17 |
| 148 | Quality improvement of partially coherent symmetric-intensity beams caused by quartic phase distortions. Optics Letters, 1992, 17, 1650. | 1.7 | 37 |
| 149 | Diffractional and coherence effects in linear moirÃ© displacement sensors. Sensors and Actuators A: Physical, 1992, 32, 588-590. | 2.0 | 0 |
| 150 | Expansion of the cross-spectral density function of general fields and its application to beam characterization. Optics Communications, 1992, 94, 197-202. | 1.0 | 28 |
| 151 | Rotation of partially coherent beams propagating through free space. Optical and Quantum Electronics, 1992, 24, S873-S880. | 1.5 | 27 |
| 152 | Beam quality in monomode diode lasers. Optical and Quantum Electronics, 1992, 24, S881-S887. | 1.5 | 9 |
| 153 | Third- and fourth-order parametric characterization of partially coherent beams propagating throughABCD optical systems. Optical and Quantum Electronics, 1992, 24, S1021-S1026. | 1.5 | 60 |
| 154 | Parametric characterization of general partially coherent beams propagating through ABCD optical systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 1094. | 0.8 | 170 |
| 155 | <title>Propagation invariance of laser beam parameters through optical systems</title>. , 1991, , . | | 0 |
| 156 | <title>Spatial characterization of high-power multimode laser beams</title>. , 1991, 1397, 631. | | 1 |
| 157 | <title>Laser beam propagation through inhomogeneous amplifying media</title>. , 1991, 1397, 619. | | 0 |
| 158 | <title>Beam quality in laser amplifiers</title>. , 1991, , . | | 0 |
| 159 | Beam characterization through active media. Optics Communications, 1991, 85, 162-166. | 1.0 | 32 |
| 160 | Optimization of the geometry of a single-pass amplifier. Applied Optics, 1990, 29, 3878. | 2.1 | 0 |
| 161 | Characterization of polychromatic planar sources that generate the same power spectrum. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1990, 7, 940. | 0.8 | 4 |
| 162 | Random Phase Inhomogeneities In Fabry-Perot Resonators. Proceedings of SPIE, 1989, 1132, 10. | 0.8 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Bistable fiber-optics interferometric sensor: a proposal. Applied Optics, 1988, 27, 811. | 2.1 | 5 |
| 164 | Uniqueness Features In Sampled Complex-Valued Object Reconstruction From Discrete Intensity Data. Optical Engineering, 1988, 27, . | 0.5 | 0 |
| 165 | Optical bistability: towards all-optical devices. Physica Scripta, 1987, 36, 312-318. | 1.2 | 7 |
| 166 | Radiometric definitions from second-order coherence characteristics of planar sources. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1986, 3, 1055. | 0.8 | 10 |
| 167 | Coherently Illuminated Object Amplitudes that Generate the Same Intensity at the Output of Band-limited Optical Systems. Optica Acta, 1986, 33, 347-354. | 0.7 | 2 |
| 168 | Purely absorptive bistability in double-ring cavities. Physical Review A, 1986, 33, 1836-1841. | 1.0 | 4 |
| 169 | Expansions of general stationary stochastic optical fields: General formalism. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1985, 85, 182-192. | 0.2 | 1 |
| 170 | Second-order characterization of sources from intensity data at the output of band-limited optical systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1985, 2, 2001. | 0.8 | 0 |
| 171 | Transmitted amplitude by a Fabry-Perot interferometer with random surface defects. Applied Optics, 1985, 24, 315. | 2.1 | 7 |
| 172 | Parametric dependence of the transmitted intensity in optical bistable Fabry-Perot devices. Applied Optics, 1985, 24, 2092. | 2.1 | 6 |
| 173 | Relation between Object Transmittances That Generate the Same Intensity Data. Optica Acta, 1984, 31, 775-783. | 0.7 | 1 |
| 174 | Obtaining Any Given Intensity at Discrete Close Points at the Output of Band-limited Optical Systems. Optica Acta, 1984, 31, 467-470. | 0.7 | 1 |
| 175 | Radiometric definitions for partially coherent sources. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1984, 1, 556. | 0.8 | 32 |
| 176 | Fourth-order characterization of planar sources from intensity-correlation data at the output plane of a system. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1984, 1, 1154. | 0.8 | 0 |
| 177 | Uniqueness in the Inverse Problem for Homogeneous Sources. Optica Acta, 1984, 31, 917-922. | 0.7 | 1 |
| 178 | Expansions of the Coherence Matrix of a Partially Polarized, Quasi-monochromatic Source. Optica Acta, 1982, 29, 1255-1269. | 0.7 | 1 |
| 179 | Relation between planar sources that generate the same intensity distribution at the output plane. Journal of the Optical Society of America, 1982, 72, 131. | 1.2 | 10 |
| 180 | Relation among planar sources that generate the same radiant intensity at the output of a general optical system. Journal of the Optical Society of America, 1982, 72, 765. | 1.2 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | On the characterization of cross-spectrally pure fields. Optics Communications, 1982, 41, 423-426. | 1.0 | 1 |
| 182 | Characterization and reconstruction of planar sources that generate identical intensity distributions in the Fraunhofer zone. Optics Letters, 1981, 6, 607. | 1.7 | 8 |
| 183 | Object Reconstruction for Partially Polarized Quasi-monochromatic Illumination. Optica Acta, 1981, 28, 1151-1162. | 0.7 | 0 |
| 184 | Relation between the expansions of the correlation function at the object and image planes for partially coherent illumination. Optics Communications, 1981, 37, 234-238. | 1.0 | 9 |
| 185 | Object reconstruction for the â€œFourier Transformâ€•optical system: Uniqueness and characterization of data. Optics Communications, 1981, 36, 261-264. | 1.0 | 6 |
| 186 | Relation between the Object and Its Image for Partially Coherent and Quasi-monochromatic Illumination. Optica Acta, 1981, 28, 65-76. | 0.7 | 8 |
| 187 | Object reconstruction in a spatially partially coherent imaging system. Optics Letters, 1980, 5, 502. | 1.7 | 4 |