ISI-JCR Journal Publications (reverse chronological order)


74) V. Torres-Company, J. Lancis, P. Andres and M. A. Muriel, "Real-Time Optical Spectrum Analyzers Operating With Broadband Continuous-Wave Light Source ".

73) V. Garcia-Muñoz, M. A. Muriel and J. Capmany, "Analysis of Superimposed Fiber Bragg Gratings Using the Microwave V-I Transmission Matrix Formalism ".

72) V. Garcia-Muñoz and M. A. Muriel, "Hermite-Gauss Series Expansions Applied to Arrayed Waveguide Gratings".


69) J. Capmany, M. A. Muriel, S. Sales, J. J. Rubio and D. Pastor, "Microwave V-I transmission Matrix Formalism for the Analysis of Photonic Circuits: Application to Fiber Bragg Gratings".

68) J. Capmany, D. Pastor, S. Sales and M. A. Muriel, "Pulse distortion in optical fibers and waveguides with arbitrary chromatic dispersion".


65) A. Carballar and M. A. Muriel, "Growth Modeling of Fiber Gratings: A Numerical Investigation".

64) M. A. G. Laso, T. Lopetegi, M. J. Erro, D. Benito, M. J. Garde, M. A. Muriel, M. Sorolla, and M. Guglielmi, "Chirped Delay Lines in Microstrip Technology".

63) J. Azaña and M. A. Muriel, "Technique for Simultaneously Multiplying the Repetition Rate of Multi-Wavelength Optical Pulse Trains".


61) J. Azaña and M. A. Muriel; "Simultaneous Multi-Wavelength Real-Time Optical Spectrum Analysis".

60) J.Azaña, M.A.Muriel, L.R.Chen, and P.W.E.Smith, "Fiber Bragg Grating Period Reconstruction Using Time-Frequency Signal Analysis and Application to Distributed Sensing".

59) J.Azaña and M.A.Muriel, "Real-Time Fourier Transformation Performed Simultaneously over Multi-Wavelength Signals".
58) J.Azaña, M.A.Muriel, and A.Carballar, "Real-Time Fourier Transformer System Using transmissive Fiber Gratings". 


56) J.Azaña and M.A.Muriel, "Reconstruction of Fiber Gratings Period Profile by use of Wigner-Ville Distribution and Spectrograms". 

55) J.Azaña and M.A.Muriel, "Reconstructing Arbitrary Strain Distributions within fiber gratings by Time-Frequency Signal Analysis". 

54) J.Azaña and M.A.Muriel, "Real-Time Optical Spectrum Analysis Based on the Time-Space Duality in Chirped Fiber Gratings". 


52) J.Azaña and M.A.Muriel, "Technique for multiplying the repetition rates of periodic trains of pulses by means of a temporal self-imaging effect in chirped fiber gratings". 

51) J.Azaña and M.A.Muriel, "Temporal Talbot effect in fiber gratings and its applications". 


46) A.Carballar, M.A.Muriel, and J.Azaña, "Fiber grating filter for WDM Systems: An improved design". 

45) M.A.Muriel, A.Carballar, and J.Azaña, "Field distributions inside fiber gratings". 

44) A.Carballar, M.A.Muriel, and J.Azaña, "WDM Channel selector based on transmissive chirped moiré grating". 

43) M.A.Muriel, J.Azaña, and A.Carballar, "Real-time Fourier transformer based on fiber gratings". 

42) M.A.Muriel, J.Azaña, and A.Carballar, "Fiber grating synthesis by use of time-frequency representations". 


Other Journal Publications (reverse chronological order)


