

Raimundo Garcia-Olcina

List of Publications by Year in descending order

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34
papers

443
citations

840776

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docs citations

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times ranked

348
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Multi-tap complex-coefficient incoherent microwave photonic filters based on optical single-sideband modulation and narrow band optical filtering. Optics Express, 2008, 16, 295. | 3.4 | 60 |
| 2 | Transverse Strain Measurements Using the Birefringence Effect in Fiber Bragg Gratings. IEEE Photonics Technology Letters, 2007, 19, 966-968. | 2.5 | 52 |
| 3 | Time-to-Digital Converter Based on FPGA With Multiple Channel Capability. IEEE Transactions on Nuclear Science, 2014, 61, 107-114. | 2.0 | 42 |
| 4 | Spectral characterization of differential group delay in uniform fiber Bragg gratings. Optics Express, 2005, 13, 9954. | 3.4 | 36 |
| 5 | Highly selective microwave photonic filters based on active optical recirculating cavity and tuned modulator hybrid structure. Electronics Letters, 2005, 41, 1133. | 1.0 | 31 |
| 6 | Influence of the Grating Parameters on the Polarization Properties of Fiber Bragg Gratings. Journal of Lightwave Technology, 2009, 27, 1000-1010. | 4.6 | 31 |
| 7 | Novel Wireless Sensor System for Dynamic Characterization of Borehole Heat Exchangers. Sensors, 2011, 11, 7082-7094. | 3.8 | 27 |
| 8 | Characterization of Different Cable Ferrite Materials to Reduce the Electromagnetic Noise in the 2â€“150 kHz Frequency Range. Materials, 2018, 11, 174. | 2.9 | 18 |
| 9 | Continuous tuning of photonic transversal filter based on the modification of tapped weights. IEEE Photonics Technology Letters, 2006, 18, 1594-1596. | 2.5 | 17 |
| 10 | Transmission Attenuation Power Ratio Analysis of Flexible Electromagnetic Absorber Sheets Combined with a Metal Layer. Materials, 2018, 11, 1612. | 2.9 | 17 |
| 11 | Effectiveness Assessment of a Nanocrystalline Sleeve Ferrite Core Compared with Ceramic Cores for Reducing Conducted EMI. Electronics (Switzerland), 2019, 8, 800. | 3.1 | 12 |
| 12 | Transverse force sensor exploiting the birefringence effect in uniform fibre Bragg gratings. , 2007, , . | | 11 |
| 13 | An amplified coarse wavelength division multiplexing self-referencing sensor network based on phase-shifted FBGs in transmissive configuration. Measurement Science and Technology, 2009, 20, 034017. | 2.6 | 11 |
| 14 | Timing Results Using an FPGA-Based TDC with Large Arrays of 144 SiPMs. IEEE Transactions on Nuclear Science, 2015, 62, 12-18. | 2.0 | 10 |
| 15 | Performance Study of Split Ferrite Cores Designed for EMI Suppression on Cables. Electronics (Switzerland), 2020, 9, 1992. | 3.1 | 10 |
| 16 | High resolution Time of Flight determination based on reconfigurable logic devices for future PET/MR systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 73-76. | 1.6 | 9 |
| 17 | Coherent direct sequence optical code multiple access encoding-decoding efficiency versus wavelength detuning. Optics Letters, 2007, 32, 1896. | 3.3 | 8 |
| 18 | Time of flight measurements based on FPGA and SiPMs for PETâ€“MR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 734, 127-131. | 1.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Optimization of a Time-to-Digital Converter and a coincidence map algorithm for TOF-PET applications. Journal of Systems Architecture, 2015, 61, 40-48. | 4.3 | 7 |
| 20 | Design of high reflectivity superstructured FBG for coherent OCDMA employing synthesis approach. Electronics Letters, 2007, 43, 824. | 1.0 | 5 |
| 21 | Label swapper device for spectral amplitude coded optical packet networks monolithically integrated on InP. Optics Express, 2011, 19, 13540. | 3.4 | 4 |
| 22 | Sagnac loop reflector and arrayed waveguide grating-based multi-wavelength laser monolithically integrated on InP. IET Optoelectronics, 2011, 5, 207-210. | 3.3 | 4 |
| 23 | Amplified CWDM self-referencing sensor network based on phase-shifted FBGs in transmissive configuration. , 2008, , . | | 3 |
| 24 | Time of flight measurements based on FPGA using a breast dedicated PET. Journal of Instrumentation, 2014, 9, C05012-C05012. | 1.2 | 3 |
| 25 | PDL and DGD Reduction in Bragg Gratings Using Twisted Fibers for the Inscription. IEEE Photonics Technology Letters, 2009, 21, 1689-1691. | 2.5 | 2 |
| 26 | Effect of group velocity dispersion on all-optical encoded labels in optical packet networks. , 2009, , . | | 2 |
| 27 | Use of the polarization properties of fiber Bragg gratings for sensing purposes. , 2006, 6189, 516. | | 1 |
| 28 | Relationship Between Chromatic Dispersion and Differential Group Delay in Weakly Birefringent Fiber Gratings. IEEE Photonics Technology Letters, 2008, 20, 437-439. | 2.5 | 1 |
| 29 | Coherent Direct Sequence optical en/decoding employing low cost DFB lasers with narrow optical band consumption – towards realizable photonic label switching. , 2010, , . | | 1 |
| 30 | Determination of the fiber birefringence induced by transversal loads by means of fiber Bragg gratings. Proceedings of SPIE, 2007, , . | 0.8 | 0 |
| 31 | Fiber optic-based sensors design to test concrete structures. , 2007, , . | | 0 |
| 32 | Fiber Bragg gratings for measuring pH and strain in concrete structures. Proceedings of SPIE, 2008, , . | 0.8 | 0 |
| 33 | Auto-Time Gating technique for all optical coherent Direct Sequence encoding and decoding. , 2010, , . | | 0 |
| 34 | RF Acquisition System Based on $\hat{1}/4$ TCA for Testing of High-Gradient Acceleration Cavities. Electronics (Switzerland), 2022, 11, 720. | 3.1 | 0 |