

## **LIST OF JOURNAL PAPERS 2023**

1. Ferrer C., Avino O., Vellvehi M., Jordà X. and Perpiñà X.  
**“Die-Level Transient Thermal Imaging Based on Fourier Series Reconstruction for Power Industrial Electronics”**  
**IEEE Transactions on Instrumentation and Measurement, vol. 72**  
**DOI: 10.1109/TIM.2023.3322477**
2. Villegas J., Moffat N., Maneuski D., Ferrer, O., Pellegrini G. and Hidalgo S.  
**“Gain measurements on NLGAD detectors”**  
**NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, vol. 1055, 2023.**  
**DOI: 10.1016/j.nima.2023.168377**
3. Doblás A., Flores D., Hidalgo S., Moffat N., Pellegrini G., Quirion D., Villegas J., Maneuski D., Ruat M. And Fajardo P.  
**“Inverse Lgad (Ilgad) Periphery Optimization for Surface Damage Irradiation”**  
**Sensors, 2023**  
**DOI: 10.3390/s23073450**
4. Rafi J.M., Pellegrini G., Godignon P., Rius G., Dauderys V., Tsunoda I., Yoneoka M., Takakura K., Kramberger G. and Moll, M.  
**“Low-Temperature Annealing of Electron, Neutron, and Proton Irradiation Effects on SiC Radiation Detectors”**  
**IEEE TRANSACTIONS ON NUCLEAR SCIENCE, vol. 70, 2023**  
**DOI: 10.1109/TNS.2023.3307932**
5. García-Serrano A., Cea P., Osorio H.M., Pérez-Murano F., Rius G., Low P.J. and Martin S.  
**“Robust large area molecular junctions based on transparent and flexible electrodes”**  
**Journal of Materials Chemistry C, vol 12, pp.1325, 2023**  
**DOI: 10.1039/d3tc02237d**
6. Currás E., Doblás A. Fernández M., Flores D., González J., Hidalgo S., Jaramillo R., Moll M., Navarrete E., Pellegrini G. and Vila I.  
**“Timing Performance and Gain Degradation after Irradiation with Protons and Neutrons Of Low Gain Avalanche Diodes Based on a Shallow and Broad Multiplication Layer in a Float-Zone 35µm and 50µm Thick Silicon Substrate”.**  
**NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, vol 1055, 2023**  
**DOI: 10.1016/j.nima.2023.168522**