

LIST OF JOURNAL PAPERS 2015

- 1 - Alexandru, M., Banu, V., Jordà, X., Montserrat, J., Vellvehí, M., Tournier, D., Millán, J., Godignon, P.
" **SIC INTEGRATED CIRCUIT CONTROL ELECTRONICS FOR HIGH-TEMPERATURE OPERATION** "
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS. Vol.62 nº (5), 3182-3191, 2015.
- 2 - Cartiglia, N., Arcidiacono, R., Baselga, M., Bellan, R., Boscardin, M., Cenna, F., Dalla Betta, G.F., Fernández-Martínez, P., Ferrero, M., Flores, D., Galloway, Z., Greco, V., Hidalgo, S., Marchetto, F., Monaco, V., Obertino, M., Pancheri, L., Paternoster, G., Picerno, A., Pellegrini, G., Quirion, D., Ravera, F., Sacchi, R., Sadrozinski, H.F.-W., Seiden, A., Solano, A., Spencer, N.
" **DESIGN OPTIMIZATION OF ULTRA-FAST SILICON DETECTORS** "
NUCLEAR INSTRUMENTS METHODS IN PHYSICS RESEARCH SECTION A ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. Vol.796 141-148, 2015.
- 3 - Florentin, M., Rafí, J.M., Chevallier, F.G., Soler Rosales, V., Konczewicz, L., Contreras, S., Juillaguet, S., Montserrat, J., Godignon, P.
" **STUDY OF GEOMETRICAL EFFECTS IN CHARGE PUMPING CURRENT FOR LATERAL SIC NMOSFETS ELECTRICAL CHARACTERIZATION** "
MATERIALS SCIENCE FORUM. European Conference on Silicon Carbide & Related Materials (ECSCRM), 21-25 September 2014, Grenoble (France). Vol.821-823 717-720, 2015.
- 4 - Florentin, M., Alexandru, M., Constant, A., Michel, P., Montserrat, J., Millán, J., Godignon, P.
" **PROTON AND ELECTRON IRRADIATION IN OXYNITRIDED GATE 4H-SIC MOSFET: A RECENT OPEN ISSUE** "
MATERIALS SCIENCE FORUM. 16th International Conference on Silicon Carbide and Related Materials (ICSCRM 2014), November 25 - 26, 2014, Dubai, UAE. Vol.821-823 667-672, 2015.
- 5 - Jordà, X., Esarte, J., Perpiñá, X., Vellvehí, M., Argandoña, G., Aresti, M.
" **CHARACTERIZATION OF PHASE CHANGE MATERIAL SYSTEMS USING A THERMAL TEST DEVICE** "
MICROELECTRONICS JOURNAL. Vol.46 nº (12), 1195 - 1201, 2015.
- 6 - Kramberger, G., Baselga, M., Cindro, V., Fernández-Martínez, P., Flores, D., Galloway, Z., Gorisek, A., Greco, V., Hidalgo, S., Quirion, D., Pellegrini, G., ... [et al.]
" **RADIATION EFFECTS IN LOW GAIN AVALANCHE DETECTORS AFTER HADRON IRRADIATIONS**"
JOURNAL OF INSTRUMENTATION. Vol.10 P07006, 2015.
- 7 - León, J., Perpiñá, X., Perpiñá, X., Sacristán, J., Vellvehí, M., Baldi, A., Jordà, X.
" **FUNCTIONAL AND CONSUMPTION ANALYSIS OF INTEGRATED CIRCUITS SUPPLIED BY INDUCTIVE POWER TRANSFER BY POWERING MODULATION AND LOCK-IN INFRARED IMAGING**"
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS. Vol.62 nº (12), 7774 - 7785, 2015.
- 8 - León, J., Perpiñá, X., Vellvehí, M., Jordà, X., Godignon, P.
" **LOCAL NON INVASIVE STUDY OF SIC DIODES WITH ABNORMAL ELECTRICAL BEHAVIOR** "
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- 9 - Pérez-Tomás, A., Catalàn, G., Fontserè, A., Iglesias, V., Chen, H., Gammon, P.M., Jennings, M.R., Thomas, M., Fisher, C.A., Rius, G., Mestres, N., Eryu, O., Godignon, P.
" **TUNING THE TERRACE AND STEP STABILITY OF 6H-SIC (0001) FOR GRAPHENE FILM DEPOSITION** "
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Materials (ICSCRM 2014), November 25 - 26, 2014, Dubai, UAE. Vol.821-823 953-956, 2015.

10 - Perpiñá, X., Werkhoven, R., Vellvehí, M., Jakovenko, J., Jordà, X., Kunen, J., Bancken, P., Bolt, P.J.
" THERMAL ANALYSIS OF LED LAMPS FOR OPTIMAL DRIVER INTEGRATION "
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11 - Phulpin, T., Trémouilles, D., Isoird, K., Tournier, D., Godignon, P., Austin, P.
" FAILURE ANALYSIS OF ESD-STRESSED SIC MESFET "
MICROELECTRONICS RELIABILITY. Vol.55 n° (9-10), 1542-1548, 2015.

12 - Pristavu, G., Brezeanu, G., Badila, M., Pascu, R., Danila, M., Godignon, P.
" A MODEL TO NON-UNIFORM NI SCHOTTKY CONTACT ON SIC ANNEALED AT ELEVATED TEMPERATURES "
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13 - Rosado, J., Hidalgo, S.
" CHARACTERIZATION AND MODELING OF CROSSTALK AND AFTERPULSING IN HAMAMATSU SILICON PHOTOMULTIPLIERS "
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